STREAM ASSESSMENT TO FILL DATA GAPS FOR EASTERN OKLAHOMA – SUPPLEMENTAL

OCC Task 110
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1.0 INTRODUCTION

1.1 BACKGROUND

1.1.1 Reference Conditions and Ecoregions

To facilitate assessment of water body health and develop and implement meaningful biocriteria, reference or "benchmark" conditions must be determined (Hughes, 1995). Ideally, suitable reference conditions should be politically reasonable, represent a population of waterbodies, reflect aspects of "natural" or minimally disturbed condition, and be useful across political boundaries. Although site-specific conditions may be most appropriate for certain water bodies (e.g., point source dominated systems), more general "population" or regional based conditions are often sufficiently adequate and constitute the most frugal use of monitoring funds. Many states have determined regional reference conditions for numerous abiotic and biotic parameters over a broad range of spatial scales (Hughes, 1995).

Across the country, numerous state organizations responsible for tracking the health of their waterbodies have used ecological regions as the spatial framework for monitoring designs, biocriteria development, water quality standards, and regional reference conditions (Rohm et al 1987; Bzata 1991; Larsen et al. 1986; Hughes et al 1987). Ecoregions have been defined as "regions of relative homogeneity in ecological systems or in relationships between organisms and their environments" (Omernik, 1987). By carefully studying patterns of land use, natural vegetation, physical geography, and soils, Omernik (1987) developed maps depicting the ecoregions of the United States. Of these, Omernik's Level III ecoregions have been widely employed for environmental management and resource protection and have since been updated and subdelineated to Level Four in many states, including Oklahoma in late 2004. Many states have found ecoregions useful as a stratification tool for streams in the development of regional reference conditions, or like Oklahoma, development of biocriteria.

1.1.2 Study Ecoregions

Omernik's Level Three map details eleven ecoregions across Oklahoma. Seven of these are included in this study: Arkansas Valley, Central Great Plains, Central Irregular Plains, Central Oklahoma Texas Plains, Flint Hills, Ozark Highlands, and the Ouachita Mountains. Each of these will be described briefly.

Forming a geologic break between the Boston and Ouachita Mountains, the Arkansas Valley (AV) is typified by upland dry forests of post oak, black jack oak, and black hickories grading to bottom land hardwood forests of oak, elm, and hackberry. Tallgrass prairie communities common to central Oklahoma are often interspersed between upland and bottomland areas. Much of the vegetative cover of this region is grass with mixed annual forbs (Hoagland and Stoodley, 1998).

The Central Great Plains (CGP) ecoregion is typified by grasslands transitioning from a tallgrass to a shortgrass prairie community forming a mixed grass prairie across much of its area (Hoagland and Stoodley, 1998). Riparian areas and ravines of this region

support woodlands consisting of cottonwoods, willows, hackberries, and elms (Hoagland and Stoodley, 1998). This ecoregion contains salt flats and springs and supports flora and fauna adapted to living in soils and waters with high salt concentrations (e.g., Red River pupfish). The Wichita Mountains with areas reflecting communities found in eastern Oklahoma, gypsum hills containing large caves, redbud plains with high iron content, and western sand dunes conducive to forming wetlands represent the geographical diversity found in the Central Great Plains ecoregion (Hoagland and Stoodley, 1998).

The Central Irregular Plains (CIP) is an area of tallgrass prairie dividing the forested Ozark Highlands from the cross timbered Central Oklahoma Plains (Hoagland and Stoodley, 1998). Most of the landscape in the CIP is dominated by original tallgrass prairie species such as big bluestem, Indiangrass, and switchgrass. The CIP is generally flatter than the Ozark Highlands resulting in more gently sloping streams with less scoured bottomland. Limestone outcroppings and some Karstic geologic areas are interspersed throughout the area. Broad prairies of tallgrass communities predominate (Hoagland and Stoodley, 1998).

The transition between eastern forests and western grasslands forms the Central Oklahoma/Texas Plains (COTP) ecoregion (Hoagland and Stoodley, 1998). Prairie areas cover the northern and southern locales of this ecoregion with dry upland forests consisting of short post oaks and blackjacks located in the central range (Hoagland and Stoodley, 1998). Grasslands cover the majority of this ecoregion, though some portions offer moist soils that support black hickories; other portions are drier, sporting shorter but fewer trees (Hoagland and Stoodley, 1998). Bottomland forests in this ecoregion are represented by fewer species than those found in the eastern portion of the state due to less rainfall (Hoagland and Stoodley, 1998). The Arbuckle Mountains are located in this ecoregion. This area contains flora and fauna similar to that found in eastern Oklahoma (Hoagland and Stoodley, 1998).

The Flint Hills (FH) ecoregion comprises vast tracts of native tallgrass prairie dominated by little bluestem, Indiangrass, and switchgrass. The landscape is typified by gently rolling hills of tallgrass communities with interspersed dry, upland forests of blackjack/post oaks. Bottomlands are generally a narrow corridor of cottonwoods, hackberries, and elms, which usually allow enough light to support dense undergrowths of poison ivy, grapevines, and greenbrier (Hoagland and Stoodley, 1998).

The Ozark Highlands (OH) is predominated by dry oak-hickory forests and woodlands occurring over limestone dominated geology. Limestone bedrock - groundwater interaction has resulted in occurrence of Karstic topography and geology of sinkholes, caves, and depressions contributing to predominately spring fed streams. Forest communities on moister soils consist of taller hardwood species such as sugar maple, white oak, chinquapin oak and mockernut hickory with minimal forest floor undergrowth during the growing season. Streams often exhibit more aggressive slopes than in most areas of the state thus precluding establishment of mature undergrowth in stream corridors. Some of the state's most diverse stream communities occur in this region.

1.2 PROJECT HISTORY

1.2.1 Overview

The Oklahoma Conservation Commission (OCC) is charged by state statute with the task of monitoring nonpoint source pollution (NPS) impacts to state waters. Because there are no numerical criteria for many of the common NPS pollutants, reference conditions must be established to allow assessment of their impacts. The OCC initiated this process over focused portions of the state through various projects including assessments in the Illinois River area, eastern Oklahoma border area, and the Multiple Basin Study in the Blue River and Muddy Boggy basins. Each of these studies resulted in a database of both positive and negative reference conditions for fish, benthic macroinvertebrates, water quality, and instream habitat for their respective geographic boundaries. However, the spatial coverage was too incomplete to adequately determine regional reference streams or conditions.

Following changes in the national and regional NPS program guidance, the project *Stream Assessment to Fill Data Gaps for Eastern Oklahoma* (Project 230; OCC Task 79) was incorporated in the FY 96 work program. This project began a formal strategy to complete spatial coverage in physicochemical and biological data, which when combined with data from similar *Data Gaps* projects in western Oklahoma (Projects 500 and 400; OCC Tasks 90 and 104, respectively) as well as other projects, would afford opportunity for metaanalysis and a more thorough determination of statewide regional reference streams and conditions. Both the East and West of I35 *Data Gaps* projects (so named for the principal dividing line, Interstate 35) are nearly identical in workplan objectives and were executed in two phases: phase one comprised preliminary screening of a large number of stream sites using abbreviated habitat and water quality assessments; phase two involved use of preliminary assessment results to select sites for more intensive monitoring to fill water quality, habitat, and biological data gaps and provide for selection of candidate reference streams to be used for future assessments. This report focuses on and is a fulfillment of workplan objectives for the *Stream Assessment to Fill Data Gaps for Eastern Oklahoma - Supplemental* (Project 500, OCC Task 110), an extension of the original EI35 project (Project 230) to allow an increase in sampling frequency to comply with updated minimum data requirements for beneficial use assessment.

The EI35 *Data Gaps* project has several goals: (1) bolster regional coverage of baseline data for select biotic and abiotic variables, (2) contribute to development of a statewide reference stream database, (3) provide a current assessment of use support for additional Oklahoma streams, and (4) provide a better foundation for data interpretation for future projects in the area. The information will also be included as “assessed” data in the state’s 319 Assessment Report and the Integrated Report and will be made available for use by other federal, state, local, and tribal agencies via STORET and specific requests.

1.2.2 Phase I

A preliminary assessment of 469 eastern Oklahoma stream sites was conducted to provide for selection of sites for intensive monitoring in Phase II (Figure 1). Preliminary sites were chosen to facilitate robust coverage in data depauperate areas of the region east of I35 extending to all applicable state boundaries. A total of 44 counties and seven ecoregions were covered during the survey.

All preliminary stream sites were rated in terms of habitat and water quality from data collected in a single visit. For habitat evaluation, one 400 m segment of stream was surveyed with observations taken every 50 meters for the following habitat/stream characteristics: instream cover, pool bottom substrate, pool variability, canopy cover, percent rocky runs and rocky riffles, flow at base elevation, channel alteration, channel sinuosity, bank stability, vegetative stability, and dominant streamside vegetation. Points acquired from these eleven categories were summed to render a total habitat score. Water quality evaluations comprised measurement of field water quality parameters and indicators of past water pollution such as heavy periphyton growth in the same location according to OCC SOPs. The water quality score was obtained in a similar manner resulting from points accrued in the following categories: dissolved oxygen, turbidity, pH, livestock droppings, periphyton, land use, and point sources. Appendix A contains the field data/scoring sheets used for the preliminary assessments.

1.2.3 Phase II

To begin Phase II, sites were selected based upon combinations of habitat and water quality scores from the preliminary assessment. Selection was designed to cover a breadth of conditions, thus providing potential for determining the habitat-biota and water quality-biota relationships. Sites were chosen in “data gap” areas of the EI35 region in proportion to ecoregion coverage and were selected to fulfill a prescribed combination of preliminary assessment scores: (1) fifty percent of the sites exhibiting both high habitat and high water quality scores, (2) twenty-five percent of the sites with high habitat but low water quality scores, and (3) twenty-five percent of the sites with low habitat but high water quality scores.

A total of 80 streams were originally selected for intensive monitoring, but three sites were dropped due to loss of access or site alteration early in the study period. Preliminary assessment scores were grouped by ecoregion and sorted best to worst for both habitat and water quality. Upper and lower quartiles were then calculated for each ecoregion, and the final list was selected to fulfill the following criteria: (1) fifty percent from the upper quartiles of habitat and water quality scores, (2) twenty-five percent from the upper quartile of habitat and lower quartile of water quality scores, and (3) twenty-five percent from the lower quartile of habitat and the upper quartile of water quality scores. Sites were field reviewed and final selections (Table 1) refined based on geographic location, stream order, and accessibility. For more details regarding methods and results of the preliminary assessments and final stream selections, consult the *Stream Assessment to Fill Data Gaps for Eastern Oklahoma: Phase I Interim Report* (OCC Water Quality, 2001) available through OCC Water Quality and on file at EPA Region VI and the Office of the Secretary of the Environment of Oklahoma.

Figure1. Preliminary and Intensive Monitoring Sites for the East of I35 Project

Table 1. Intensive Site List for Task 110 (Project 500).

Site Name	WBID	Lat	Long	County	Ecoregion
South Fork of Dirty Creek	OK120400-02-0030F	35.4594167	-95.2003333	Muskogee	AV
Brazil Creek: LeFlore Co.	OK220100-03-0010G	35.1388056	-94.7690278	LeFlore	AV
Brazil Creek: Latimer Co.	OK220100-03-0010T	35.0221	-94.9441	Latimer	AV
San Bois Creek	OK220200-04-0010W	35.11318	-95.38463	Pittsburg	AV
Mountain Fork of San Bois Creek	OK220200-04-0050J	35.07615	-95.13848	Haskell	AV
Longtown Creek	OK220600-01-0070G	35.1801	-95.47275	Pittsburg	AV
Gaines Creek	OK220600-04-0010F	34.8948	-95.4364	Latimer	AV
Beaver Creek	OK220600-04-0030G	34.90595	-95.43718	Latimer	AV
Willow Creek	OK520610-01-0080G	34.97127	-97.29388	Cleveland	CGP
Deep Fork River: Eastern	OK520710-02-0060G	35.53458	-97.47682	Oklahoma	CGP
Greenleaf Creek	OK120400-01-0120C	35.671273	-95.131603	Muskogee	CIP
Rabb Creek	OK121400-01-0090D	36.45252	-95.8032	Rogers	CIP
Hogshooter Creek	OK121400-01-0300J	36.67	-95.851	Washington	CIP
Lightning Creek	OK121510-01-0130M	36.65223	-95.4676	Nowata	CIP
California Creek	OK121510-02-0050C	36.7802	-95.6655	Nowata	CIP
Snow Creek	OK121510-02-0250F	36.95958	-95.5702	Nowata	CIP
Big Creek	OK121510-03-0010G	36.81488	-95.4443	Nowata	CIP
Fourteenmile Creek	OK121600-01-0100C	35.937	-95.17628	Cherokee	CIP
Chouteau Creek	OK121600-01-0430M	36.2193	-95.3865	Mayes	CIP
Horse Creek	OK121600-03-0160G	36.6828	-94.9273	Ottawa	CIP
Fly Creek	OK121600-03-0180D	36.63845	-94.94327	Ottawa	CIP
Little Horse Creek	OK121600-03-0190A	36.6852	-94.9137	Ottawa	CIP
Hudson Creek	OK121600-04-0040G	36.81398	-94.83733	Ottawa	CIP
Cow Creek	OK121600-04-0130G	36.8786	-94.9456	Ottawa	CIP
Fourmile Creek	OK121600-04-0170G	36.97283	-94.95245	Ottawa	CIP
Russell Creek	OK121600-04-0200G	36.9865	-95.0691	Craig	CIP
Bull Creek	OK121600-06-0200G	36.61358	-95.15243	Craig	CIP
PawPaw Creek	OK121600-06-0240G	36.65512	-95.23397	Craig	CIP
Warren Branch Creek	OK121600-07-0050G	36.90163	-94.7072	Ottawa	CIP
Fivemile Creek	OK121600-07-0110G	36.98345	-94.69122	Ottawa	CIP
Little Fivemile Creek	OK121600-07-0120D	36.98077	-94.68578	Ottawa	CIP
Pryor Creek	OK121610-00-0090N	36.40887	-95.32017	Mayes	CIP
Candy Creek: Site # 1	OK121300-02-0080G	36.5355	-96.0493	Osage	COTP
Bird Creek	OK121300-03-0010A	36.5353	-96.1495	Osage	COTP
Clear Creek	OK121300-03-0200C	36.66628	-96.34927	Osage	COTP
Buck Creek	OK121400-04-0050C	36.7444	-96.0758	Osage	COTP
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	35.2309667	-95.8393667	McIntosh	COTP
Peaceable Creek	OK220600-03-0050M	34.83597	-95.74147	Pittsburg	COTP
Glasses Creek	OK310800-01-0020M	34.085863	-96.732869	Marshall	COTP
Oil Creek	OK310800-01-0240P	34.31952	-96.93063	Carter/Johnson	COTP
Sand Branch Creek	OK310800-02-0040C	34.2161	-97.02453	Carter	COTP

Site Name	WBID	Lat	Long	County	Ecoregion
Chigley Sandy Creek	OK310800-02-0190K	34.5212	-97.0958	Murray	COTP
Dumpling Creek	OK410300-03-0210C	34.22372	-95.5867	Pushmataha	COTP
Tenmile Creek	OK410300-03-0270M	34.29932	-95.74483	Pushmataha	COTP
Eastman Creek	OK410700-00-0230D	33.79487	-96.44153	Bryan	COTP
Wewoka Creek	OK520500-02-0010E	35.1952	-96.2479	Hughes	COTP
Wewoka Creek	OK520500-02-0010T	35.17503	-96.61295	Seminole	COTP
Turkey Creek	OK520510-00-0100E	35.37837	-96.64462	Seminole	COTP
Factory Creek	OK520600-01-0060P	34.86818	-96.63285	Pontotoc	COTP
Julian Creek	OK520600-02-0170B	34.960423	-96.962172	Pottawatomie	COTP
Spring Brook Creek	OK520600-03-0030E	34.785977	-96.756852	Pontotoc	COTP
Captain Creek	OK520700-05-0140C	35.68102	-97.0799	Lincoln	COTP
Opossum Creek	OK520700-05-0200C	35.71001	-97.16387	Cleveland	COTP
Little Deep Fork	OK520700-06-0130T	35.8279	-96.5341	Creek	COTP
Elm Creek	OK520810-00-0100C	35.29078	-97.34878	Cleveland	COTP
Lagoon Creek	OK620900-01-0180J	36.1259722	-96.5745833	Creek	COTP
Buckeye Creek	OK620900-01-0220G	36.09142	-96.51052	Creek	COTP
Euchee Creek	OK620900-01-0290R	35.9713	-96.6898	Payne	COTP
Council Creek	OK620900-02-0050H	36.0829	-96.8196	Payne	COTP
Doga Creek	OK621200-02-0020M	36.59512	-96.82592	Osage	COTP
Camp Creek	OK621200-03-0040F	36.3009	-96.71858	Pawnee	COTP
North Bird Creek	OK121300-03-0320M	36.756	-96.39973	Osage	FH
Hominy Creek: Downstream	OK121300-04-0280M	36.47448	-96.37622	Osage	FH
Hominy Creek: Upstream	OK121300-04-0280R	36.5101	-96.448	Osage	FH
North Buck Creek	OK121400-03-0210R	36.96605	-96.36583	Osage	FH
Sand Creek	OK121400-04-0010T	36.8447	-96.4259	Osage	FH
Gray Horse Creek	OK621200-01-0400T	36.55207	-96.61503	Osage	FH
Salt Creek	OK621200-04-0010J	36.7518	-96.6724	Osage	FH
Little Chief Creek	OK621200-04-0070C	36.6516	-96.699	Osage	FH
Saline Creek	OK121600-02-0030D	36.282	-95.09292	Mayes	OH
Drowning Creek	OK121600-03-0090G	36.4749	-94.8669	Delaware	OH
Whitewater Creek	OK121600-03-0320G	36.53942	-94.75915	Delaware	OH
Lost Creek	OK121600-03-0560G	36.80195	-94.70095	Ottawa	OH
Brushy Creek	OK220600-03-0010T	34.68577	-95.75065	Pittsburg	OM
Pine Creek	OK410300-03-0580C	34.40553	-95.5936	Pushmataha	OM
Dry Creek	OK410310-01-0070C	34.62232	-95.23702	Pushmataha	OM
Bolen Creek	OK410310-03-0090G	34.66632	-95.57142	Pittsburg	OM

2.0 MATERIALS AND METHODS

All sampling and analyses performed during this project were conducted under a Quality Assurance Project Plan (QAPP) approved by EPA Region VI and on file at the OCC Water Quality Division, the Oklahoma Secretary of the Environment (OSE), and EPA

Region VI in Dallas. The reader is encouraged to obtain and consult the QAPP for specific questions concerning laboratory analytical methods, detection limits, and accuracy and precision limits. All sampling and measurement activities of OCC Water Quality staff followed procedures outlined in the appropriate OCC Standard Operating Procedure (OCC SOP 2001). Water quality chemical analyses were conducted by the Oklahoma City-County Health Department (OCCHD) laboratory through June 2000 and then the Oklahoma Department of Environmental Quality (ODEQ) laboratory through the remainder of the project period.

2.1 WATER QUALITY MONITORING

Water sampling efforts for intensive sites began in April 1999 and continued on five-week intervals until April 2001 (20 potential events/site). This sampling frequency exceeds state data requirements for beneficial use assessment and meets a sample number necessary to provide a 90% level of confidence for principal water quality data (specifically phosphorus; a critical NPS concern) as determined from EPA's DEFT software. In-situ measurements included the following parameters: temperature (YSI Model 55), dissolved oxygen (YSI Model 55), pH (YSI Model 60), specific conductance (YSI Model 30), alkalinity (Hach Digital Titrator Model 16900-01), turbidity (Hach Portable Turbidimeter Model 2100P), and instantaneous discharge (Marsh-McBirney Flo-Mate Model 2000).

One water sample was collected per site per 35 day interval in two, new, sample rinsed HDPE bottles; one was preserved to a pH <2 with H_2SO_4 and both were stored and delivered on ice or at 4° C. Quality assurance/control samples were collected in accordance with the project QAPP. Samples were submitted to the laboratory for analysis of the following parameters: nitrate, nitrite, ammonia, total Kjeldahl nitrogen, total phosphorus, ortho-phosphate, sulfate, chloride, hardness, and total suspended solids. Separate samples were collected in Bac-T containers and submitted concurrently for analysis of fecal coliform, *E. coli*, and *Enterococcus* bacteria.

All data were compiled and entered into an Access database for later analysis. Upon retrieval, data were proofed, quality assured, and the "descriptive statistics" were generated for each parameter by site and ecoregion using the statistical software package *Minitab, V. 14*. Water quality parameters were then chosen for which strong biological responses have been demonstrated (e.g., DO-% saturation, pH, turbidity, and TSS) or hypothesized (available N, total N, o-P, total P), and screening values were developed to allow for ranking of sites within their respective ecoregion (Table 2). Fecal coliform bacterial density was included as an additional gauge of NPS pollution.

A ranking process was developed based upon the frequency of exceedance (FOE) of the screening value (Table 2) by sites for each parameter. To begin the ranking process, a number of rank classes were determined based on the range and natural breaks of FOE values exhibited (e.g., 0-9% sample exceedence for a site received rank 1, 10-23% received Rank 2, 28-36% received rank 3, and so on). Table 3 (below) details an example of the ranking results of the Arkansas Valley ecoregion sites for DO (percent saturation).

Table 2. Water Quality Parameters and Associated Criteria for Quality Assessment.

Water Quality Parameter	Screening value*
DO-percent saturation	<lower quartile or >upper quartile
PH	<lower quartile or >upper quartile
Turbidity (NTU)	>upper quartile
Available-N; Ammonia+NitrateNitrite (mg/l)	>upper quartile
Total-N; TKN+NitrateNitrite (mg/l)	>upper quartile
o-P (mg/l)	>upper quartile
Total P (mg/l)	>upper quartile
TSS	>upper quartile
Fecal Coliform, ln transformed FCUs	>upper quartile

*respective to ecoregion

Table 3. Ranking Results of Arkansas Valley Sites for DO (% Sat).

Site Name	WBID	E-region	DO (% Sat), percent samples exceeding screening values (<lquart or >uquart)	DO (% Sat), FOE Rank
South Fork of Dirty Creek	OK120400-02-0030F	AV	20	1
Brazil Creek: LeFlore Co.	OK220100-03-0010G	AV	42	3
Brazil Creek: Latimer Co.	OK220100-03-0010T	AV	36	2
San Bois Creek	OK220200-04-0010W	AV	36	2
Mountain Fork of San Bois Creek	OK220200-04-0050J	AV	62	5
Longtown Creek	OK220600-01-0070G	AV	57	4
Gaines Creek	OK220600-04-0010F	AV	57	4
Beaver Creek	OK220600-04-0030G	AV	67	5

This process was repeated for all parameters and the results assimilated in a final matrix allowing computation of a total score for each site. An example of the final water quality scoring results for the Arkansas Valley sites may be found below (Table 4). To limit bias of the nutrient components on the final score, a combined nutrient score was determined by averaging the ranks of all nutrient parameters. This value was then averaged with the ranks of the other parameters to compute a total “Water Quality” score to be used in the final ranking table. In this way, nutrient content was equalized with other parameters rather than making each individual nutrient equal in weight to the other parameters.

2.2 BIOLOGICAL MONITORING

2.2.1 Habitat Assessment

OCC field staff conducted instream and riparian habitat assessments concurrently with fish collections at all intensive sites during the summers of 1999 and 2000. Habitat assessments comprised observations over a total 400 m reach (20 stations at 20 m intervals) immediately adjacent to water quality collection sites. All assessments were conducted in accordance with procedures outlined in the OCC Habitat Assessment SOP (OCC SOP 2001).

Table 4. Final Water Quality Scoring Matrix for Arkansas Valley Sites.

Site Name	WBID	County	E-region	DO (% Sat), FOE Rank	pH, FOE Rank	Turbidity, FOE Rank	TSS, FOE Rank	ln F col., FOE Rank	*Avail-N, FOE Rank*	*Total-N, FOE Rank*	*o-P, FOE Rank*	*Total-P, FOE Rank*	Combined Nutrients*	WATER QUALITY RANK**
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	1	3	2	2	1	2	2	2	2	2.00	1.83
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	3	3	2	2	3	2	2	3	2	2.25	2.54
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	2	2	2	2	1	1	1	3	3	2.00	1.83
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	2	2	4	5	5	4	6	4	5	4.75	3.79
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	5	3	1	1	2	1	1	1	1	1.00	2.17
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	4	4	2	2	3	2	3	2	2	2.25	2.88
Gaines Creek	OK220600-04-0010F	Latimer	AV	4	5	2	2	3	3	2	2	2	2.25	3.04
Beaver Creek	OK220600-04-0030G	Latimer	AV	5	4	4	5	3	4	4	3	4	3.75	4.13

*Average of ranks for Avail-N, Total-N, o-P, and Total P

**Average of ranks for DO, pH, Turbidity, TSS, ln F col, and Combined Nutrients

Specifically, OCC's habitat assessment adheres to a modified version of the EPA Rapid Bioassessment Protocols (RBP) (Plafkin et al., 1989) and is designed to assess habitat quality in relation to its ability to support biological communities in the stream. The assessment is based on particular parameters grouped into three categories for a total of eleven components (Plafkin et al., 1989). The three primary categories assessed include micro scale habitat, macro scale habitat, and riparian/bank structure. Micro scale habitat includes substrate makeup, stable cover, canopy, and flow. Macro scale assesses the channel morphology, sediment depositions, and other parameters. The third category looks at the riparian zone quality, width, and general makeup (trees, shrubs, vines, and grasses) as well as bank features. Bank erosion and streamside vegetative cover are incorporated into this section. Quantitative weighting is given to each of these sections in relation to their biological significance. Scores are computed for each of the eleven categories, summed, and assigned as an evaluation of that stream section and riparian zone. Scores can reach a maximum of 180 points.

Habitat data were entered, metrics computed, and total habitat score rendered via *Access* programming. Rank classes were determined by breaks in total habitat scores for each ecoregion. Sites with scores falling in the top rank class received a rank of "1", while sites with scores in the second class were ranked "2", and so on. Final habitat ranks were incorporated in the final ranking matrix. An example of the habitat-ranking matrix for the Arkansas Valley sites may be found below (Table 5).

2.2.2 Fish

Single fish collections were made over the summers of 1998, 1999, and 2000 at intensive sites using a combination of seining and electroshocking techniques. The OCC fish collection method follows a modified version of the EPA Rapid Bioassessment Protocol V (Plafkin et al., 1989). Depending upon workable habitat, seining was performed first at all sites and was accomplished by use of either 6' X 10' or 6' X 20' seines of ¼ inch mesh equipped with 8' brailes. Electroshocking was undertaken at all

Table 5. Habitat Metrics, Total Habitat Scores and Associated Ranks for Arkansas Valley Sites.

Site Name	WBID	County	E-region	*Instream Cover*	*Pool Bottom Substrate*	*Pool Variability*	*Canopy Cover Shading*	*Presence of Rocky Runs or Riffles*	*Flow*	*Channel Alteration*	*Channel Sinuosity*	*Bank Stability*	*Bank Vegetation Stability*	*Streamside Cover*	Total Habitat Points*	HABITAT RANK
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	6.2	8.4	13	19	4.1	7.2	9.9	0	7.2	4.4	10	90	3
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	17	11.6	14	15.3	2.2	2.2	9.9	0.8	7.2	6.9	10	97	2
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	2.8	4.5	20	17.7	2.2	11	5	0.8	6.3	1.4	6.8	79	4
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	4.3	8.9	16	14.9	2.2	15	0.4	4	6	3.8	10	86	3
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	20	17.4	15	7.9	16.2	18	17	1.6	10	8.9	9.9	141	1
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	0.9	10.7	0	7.5	0	18	17	2.4	3.9	2.2	9.6	72	4
Gaines Creek	OK220600-04-0010F	Latimer	AV	3.5	6.5	13	18.1	2.2	10	17	2.4	5.3	1.1	7.2	86	3
Beaver Creek	OK220600-04-0030G	Latimer	AV	0.8	0.6	17	14.4	0	12	17	1.6	5.7	2.9	9.6	81	3

*sum of preceding metric scores

sites with suitable conductivities (usually < 1000 uS/cm) and involved the use of a Coffelt CPS backpack shocker powered by a 300 ma, 120 V Honda generator. For sites possessing long pools too deep to seine or backpack shock, OCC field personnel employed a boat electrofishing unit consisting of a Smith-Root GPP 5 shocking unit powered by a Honda 5kw generator.

Sampling effort entailed collections over a 400 m stretch of stream adjacent to water collection sites. Except for those individuals readily identifiable, fish were placed in 10% formalin upon capture and identified to species by a professional taxonomist. Fish species identified and released in the field were photographed on print film for reference. All fish samples were transferred to ethanol and retained for future reference.

Fish data were compiled and analyzed by site following a modified version of Karr's Index of Biotic Integrity (IBI) (adapted from Plafkin et al., 1989). Although a variety of metrics were explored, seven metrics were chosen which have proven applicability to eastern Oklahoma streams and which are well supported in the literature. Descriptive statistics were determined for each metric according to ecoregion using the *Minitab V. 14* software. Resulting quartiles were then employed as screening values for the determination of "good" and "poor" categories for each metric (Table 6).

Table 6. Fish Metrics and Associated Screening Values Used in Site Evaluation for Relative Ranking.

Metric	Screening Values, "Good"	Screening Values, "Poor"
Total Species	>=upper quartile	<=lower quartile
S-W Diversity	>=upper quartile	<=lower quartile
Number of Centrarchid species	>=upper quartile	<=lower quartile
Number of Intol Species	>=upper quartile	<=lower quartile
Percent of Individuals as Tolerant	<=lower quartile	>=upper quartile
Number of Sensitive Benthic Species	>=upper quartile	<=lower quartile
Number of Insectivorous Cyprinid Species	>=upper quartile	<=lower quartile

To achieve rank scores, metrics for each site were subjected to the screening values of their respective ecoregion, and the number of metrics meeting or exceeding these values was determined. Sites were ranked within their respective ecoregion for each category (i.e., good or poor) according to the number of metrics meeting or exceeding their respective screening values (e.g, Site A had five out of seven metrics that exceeded the "good" screening values; thus, the site ranks higher than a site with only two metrics exceeding). Sites not exceeding screening values for any metrics of a given category were assigned a default rank logical for the category of interest; this was equal to the lowest rank number for the "good" category and equal to the best rank or "1" for the "bad". Rankings of both categories were averaged per site to achieve a summary "Fish" score for use in the final ranking table. An example of the final fish ranking results for the Arkansas Valley sites may be found below (Table 7).

Table 7. Final Fish Ranking Results for Arkansas Valley Sites.

Site Name	WBID	County	E-region	*Number of metrics exceeding screening values (good)*	*RANK (GOOD)*	*Number of metrics exceeding screening values (bad)*	*RANK (BAD)*	FISH RANK*
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	2	4	5	5	4.5
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	7	1	0	1	1
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	3	3	1	2	2.5
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	2	4	6	6	5
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	2	4	5	5	4.5
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	4	2	0	1	1.5
Gaines Creek	OK220600-04-0010F	Latimer	AV	3	3	4	4	3.5
Beaver Creek	OK220600-04-0030G	Latimer	AV	1	5	3	3	4

*Average of Rank (good) and Rank (bad)

2.2.3 Macroinvertebrates

Annual benthic macroinvertebrate collections were made or attempted at all intensive sites for both the winter and summer index periods of 1999 and 2000. Index periods represent seasons of relative community stability that afford opportunity for meaningful site comparisons. For Oklahoma, the summer index occurs from July 1 to September 15; winter index is from January 1 to March 15. Collection effort entailed up to three potential samples from each site representing the following habitats: rocky riffles, streamside vegetation in flowing water, and woody debris in flowing water.

Collection methods involved sampling each of the habitats similar to methods outlined in the EPA RBP (Plafkin et al., 1989). Riffle sampling effort consisted of three, one meter squared kicknet samples in areas of rocky substrate reflecting the breadth of the velocity regime at a site. Riffles with substrates of bedrock or tight clay were not sampled. Any streamside vegetation in the current that appeared to offer fine structure was sampled by agitation within a #30 mesh dip net for three minutes total agitation

time. Any dead wood with or without bark which was in current fast enough to offer suitable habitat for organisms was sampled by agitation or by scraping/brushing upstream of a #30 mesh dip net for 5 minutes. Woody debris sampled generally ranged in size from 1/4" to about 8" in diameter. Each sample type was preserved independently in quart mason jars with ethanol, labeled, and sent to a contractor for picking.

Preserved samples were picked in the laboratory (OCC SOP 2001), and the picked subsamples sent to a professional taxonomist for identification. Data were compiled, collated by year, season, and sample type and entered into a spreadsheet for metric calculations. Of the total 16 metrics calculated, seven were chosen which have proven applicability for eastern Oklahoma streams and are well documented. These include the following metrics: taxa richness, HBI index (family level), ratio of EPT individuals to EPT and Chironominae individuals, ratio of EPT individuals to total individuals, EPT taxa, ratio of dominant individuals to total individuals, and Shanon Diversity. Descriptive statistics of each season specific sample type (e.g., summer riffle, winter vegetation, summer woody) were determined by ecoregion via *Minitab V. 14*, and screening values (Table 8) were imposed to facilitate the ranking process.

Table 8. Benthic Macroinvertebrate Metrics and Associated Screening Values Used in Site Evaluation for Relative Ranking.

Metric	Screening Values, "Good"*	Screening Values, "Poor"*
Number of taxa	>=upper quartile	<=lower quartile
Modified HBI	<=lower quartile	>=upper quartile
EPT/EPT+Chironominii	>=upper quartile	<=lower quartile
EPT/Total	>=upper quartile	<=lower quartile
EPT taxa	>=upper quartile	<=lower quartile
Dominants/total	<=lower quartile	>=upper quartile
S-W Diversity	>=upper quartile	<=lower quartile

*respective to ecoregion for each season specific sample type

The site ranking process used for this data was identical to that employed for fish and resulted in six categories for each of the index periods: "good" and "poor" summer riffle, "good" and "poor" summer vegetation, "good" and "poor" and summer woody; and "good" and "poor" winter riffle, "good" and "poor" winter vegetation, and "good" and "poor" winter woody. For sites possessing samples for the same habitat type and season over both years, an average was computed and used for all ranking processes. Rank results were averaged across all habitat types and categories for each index period rendering a final seasonal rank. The final "summer" and "winter" ranks were then averaged to compute the absolute "Macroinvertebrate Rank" score to be used in the final ranking table.

2.3 BENEFICIAL USE SUPPORT ASSESSMENT

Data generated during this project was used to assess attainment status of intensive sites for select beneficial uses as derived from the 1998 Water Quality Standards GIS coverage (OWRB, 1998). All beneficial use assessments were conducted in accordance

with methods outlined in the state's *Continuing Planning Process, Integrated Water Quality Report Listing Methodology* and per Oklahoma Water Resource Board, *Implementation of Oklahoma's Water Quality Standards, Subchapter 15: Use Support Assessment Protocols* (USAP) (OAC 785:46-15). Assessment results were submitted to the ODEQ for final assimilation submission in the state's 2004 Integrated Report to EPA Region VI in November 2004.

2.4 FINAL SCORING AND STREAM SELECTION

Final ranks for each of the categories (water quality, habitat, fish, and macroinvertebrates) were assembled by site into a sortable matrix to allow determination of a final ranking value. Because the primary intent for these reference sites is to assess biological condition, fish and macroinvertebrate ranks were weighted to comprise 35 percent each of the "Final Rank" value (i.e., 70 percent total); water quality and habitat ranks were weighted at 15 percent each (30 percent total). Weighted ranks were then summed for each site, and the matrix was sorted in ascending order by the resulting "Final Rank" for each ecoregion.

Candidates for reference constituted those sites possessing the best "Final Ranks" and exhibiting a fully supporting status for the Fish and Wildlife Propagation beneficial use. In order to fully characterize habitat-biota or water quality-biota relationships, sites were also noted for which rank results indicated either a strong habitat or water quality limitation. Because it is generally realized that fish communities are especially sensitive to habitat degradation and macroinvertebrates to water quality (Plafkin et al. 1989), habitat limited sites constituted those sites exhibiting poor ranks for "Fish" and "Habitat" and good ranks for water quality and macroinvertebrate; sites exhibiting good habitat and fish ranks and poor water quality and corresponding macroinvertebrate ranks were considered water quality limited. Such sites will be necessary to discriminate between habitat degradation and water quality impairment of sites monitored in the future (Plafkin et al. 1989).

Reference candidates were chosen for all project ecoregions except the Central Great Plains, which is hardly represented in eastern Oklahoma. The intensive sites from this ecoregion will be added to additional streams from the same ecoregion in a statewide metaanalysis project due out the end of next year. Reference streams for this ecoregion will be chosen at that time.

3.0 <u>RESULTS AND DISCUSSION</u>

3.1 WATER QUALITY MONITORING

All water quality data is included in Appendix B-1, and the descriptive statistics for all intensive sites including the quartiles used as screening values for site evaluation and relative ranking can be found in Appendix B-2. To avoid misuse of the data, the reader is reminded that the statistics represent sites which were selected with a bias toward condition as determined from the abbreviated assessment (e.g., 50 percent with good habitat and good water quality). Again, this was necessary to afford a better potential for choosing the best sites for each region and for a more robust characterization of water

quality-biota and habitat-biota gradients. Site-specific summary statistics for all parameters are presented in Appendix B-3. Figure 2 (below) shows a few of the parameters exhibiting some variability between the ecoregions. Ozark Highland streams generally exhibited the best overall quality across critical parameters, showing significant differences in fecal coliform bacteria, total suspended solids, and turbidity from other ecoregions. Again, due to the study design, these plots represent more the range of extremes rather than average of the parameters by ecoregion.

3.2 BIOLOGICAL MONITORING

3.2.1 Habitat Assessment

Evaluation and relative ranking of sites by habitat was accomplished using the calculated "Total Habitat" scores. The complete habitat database for all sites and the calculated metrics used to produce these scores may be found in Appendices C and D, respectively. Again, the reader is cautioned against employing this data for purposes other than its intended use, since it was derived from streams selected for either good or bad habitat as indicated from the abbreviated assessment in Phase I and does not necessarily mirror the distribution of good and poor sites in the ecoregion.

Figure 2. Boxplots of Selected Water Quality Parameters by Ecoregion for Task 110 Intensive Sites (box width proportional to sample size).

As anticipated, ranges in total habitat scores decreased generally with movement from eastern to western ecoregions (Figure 3). This would be expected even without anthropogenic influence due to a natural shift to sand dominated substrates, loss of woody riparian vegetation diversity/density, and potential for intermittence or ephemerality due to significantly lower rainfall with westward advance in the state; all of these in part comprise a significant portion of the total habitat score. It is generally known that the Ozark Highlands and Ouachita Mountain ecoregions possess the highest quality streams in the state, and it is the quality and uniqueness of their habitat that sets them apart.

Figure 3. Total Habitat Scores by Ecoregion for Task 110 Intensive Sites

3.2.2 Fish Collections

All fish collection data including species and total catch for each site is located in Appendix E. IBI fish metrics calculated for site evaluation are presented in Appendix F-1, and the descriptive statistics of fish metrics for each ecoregion are included in Appendix F-2. Again, the reader is cautioned regarding alternate uses of this data due to potential biases imposed from the site selection process as explained earlier.

In summary, fish collections resulted in 84 total species across all ecoregions with the highest range of richness, number of intolerant, darter, and insectivorous cyprinid species, and lowest proportion omnivores and tolerant individuals exhibited in Ozark Highland streams (Figure 4). Collections from this and the other eastern border ecoregions were often typified by presence of darters (e.g., fantailed, stippled, redfin), round-bodied suckers (e.g., redhorse, northern hogsucker), sunfish (e.g., shadow bass) and minnows (e.g., bigeye shiner, steelcolor shiner, cardinal shiner) that are rather intolerant to habitat and water quality degradation. As expected, community characteristics of instability and disturbance (e.g., increase in proportion tolerant) exhibited stronger trends in the westernmost ecoregions, the Central Great Plains and Central Oklahoma Texas Plains. Their collections were often dominated by a few Cyprinid species (e.g., red shiner) in disproportionately high numbers. Table 9 (below) lists species present in 50 percent or more of the collections for each ecoregion.

It should be noted that the ecoregion coverage used for this project is that promulgated in the state water quality standards and includes boundaries which have since been adjusted in the redelineation effort of 2004. The importance of this is that several streams included in the old coverage as occurring in the Central Irregular Plains are clearly Ozarkian streams and have since been incorporated as such in the later coverage. Inclusion of these streams in the Ozark Highlands will almost certainly have a negative affect on the overall CIP statistics for several parameters.

3.2.3 Macroinvertebrate Collections

The complete macroinvertebrate sample database is included in Appendix G. Appendix H contains all IBI metrics calculated in final evaluation of project sites. Again, the reader is cautioned against alternate use or interpretation of the data due to potential biases resulting from the site selection process during Phase I.

Figure 4. Boxplots of Selected Fish Metrics by Ecoregion for Task 110 Intensive Sites (box width proportional to sample size).

Table 9. Fish Species Present in 50 Percent or More of the Collections for Each Ecoregion.

Family	Species	Vernal Name	Arkansas Valley	Central Great Plains	Central Irregular Plains	Central Oklahoma Texas Plains	Flint Hills	Ozark Highlands	Ouachita Mountains
Lepisosteidae	Lepisosteus oculatus	Spotted gar	X						
Clupeidae	Dorosoma cepedianum	Gizzard shad					X		
Cyprinidae	Campostoma anomalum	Central stoneroller	X		X	X	X	X	X
Cyprinidae	Cyprinella lutrensis	Red shiner	X	X		X	X		
Cyprinidae	Luxilus cardinalis	Cardinal shiner						X	
Cyprinidae	Lythrurus umbratilis	Redfin shiner	X				X		X
Cyprinidae	Nocomis asper	Redspot chub						X	
Cyprinidae	Notropis boops	Bigeye shiner							X
Cyprinidae	Notropis nubilus	Ozark minnow						X	
Cyprinidae	Notropis stramineus	Sand shiner		X		X			
Cyprinidae	Phenacobius mirabilis	Suckermouth minnow				X			
Cyprinidae	Pimephales notatus	Bluntnose minnow	X		X		X		X
Cyprinidae	Pimephales vigilax	Bullhead minnow				X	X		
Cyprinidae	Semotilus atromaculatus	Creek chub						X	
Catostomidae	Hypentelium nigricans	Northern hog sucker						X	
Catostomidae	Moxostoma erythrurum	Golden redhorse					X		X
Ictaluridae	Ameiurus natalis	Yellow bullhead	X	X	X	X			X
Ictaluridae	Ictalurus punctatus	Channel catfish			X	X	X		
Ictaluridae	Noturus exilis	Slender madtom						X	
Ictaluridae	Noturus nocturnus	Freckeled madtom	X						
Ictaluridae	Pylodictis olivaris	Flathead catfish					X		
Fundulidae	Fundulus notatus	Blackstripe topminnow	X		X		X	X	
Fundulidae	Fundulus olivaceus	Blackspotted topminnow							X
Poeciliidae	Gambusia affinis	Mosquitofish	X	X	X	X		X	X
Atherinidae	Labidesthes sicculus	Brook silverside	X		X		X	X	X
Cottidae	Cottus carolinae	Banded sculpin						X	
Centrarchidae	Amboplites ariommus	Shadow bass						X	
Centrarchidae	Lepomis cyanellus	Green sunfish	X	X	X	X	X	X	X
Centrarchidae	Lepomis gulosus	Warmouth sunfish	X		X			X	
Centrarchidae	Lepomis humilis	Orangespotted sunfish	X	X	X	X	X		X
Centrarchidae	Lepomis macrochirus	Bluegill sunfish	X	X	X	X	X	X	X
Centrarchidae	Lepomis megalotis	Longear sunfish	X	X	X	X	X	X	X
Centrarchidae	Micropterus punctulatus	Spotted bass	X				X	X	
Centrarchidae	Micropterus salmoides	Largemouth bass	X	X	X	X	X	X	
Percidae	Etheostoma chlorosomum	Bluntnose darter							X
Percidae	Etheostoma punctulatum	Stippled darter						X	
Percidae	Etheostoma radiosum	Orangebelly darter							X
Percidae	Etheostoma spectabile	Orangethroat darter			X		X	X	
Percidae	Etheostoma whipplei	Redfin darter	X						
Percidae	Percina caprodes	Logperch	X		X		X	X	X
Percidae	Percina sciera	Dusky darter	X						X
Sciaenidae	Aplodinotus grunniens	Freshwater drum						X	

Macroinvertebrate collection efforts totaled 435 events consisting of 227 riffle, 69 vegetation, and 112 woody habitat samples. Twenty-two of the events did not render a sample because of dry or no flow conditions, and 33 possible events were missed overall due to problems with site access or prolonged effects of high or elevated flow. Samples resulted in 265 total taxa, of which 225 were identified to genus, 27 to family, and 8 to order; however, not all taxa were included in metric determinations, particularly certain Coleopterans known to be more terrestrial in orientation and capture of which is incidental and assorted Hemipterans and Coleopterans that, while aquatic, are atmospheric breathers and don't reflect water quality conditions. Table 10 (below) lists species present at 50 percent or more of the sites for each ecoregion. The reader is encouraged to reference Appendix I for summary statistics of the IBI metrics by ecoregion. Metric scores as a whole did not exhibit the difference between ecoregions as seen with the fish data.

Table 10. Macroinvertebrate Taxa Present at 50 Percent or More of the Sites for Each Ecoregion.

Phylum	Class	Order	Family	Genus	Arkansas Valley	Central Great Plains	Central Irregular Plains	Central Oklahoma Texas Plains	Flint Hills	Ozark Highlands	Ouachita Mountains
ANNELIDA	Branchiobdellida										X
ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella						X	X
ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus						X	X
ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae								X
ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae							X	
ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais	X	X		X	X		X
ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina							X
ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura				X	X		
ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus	X		X	X	X	X	X
ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella	X			X	X	X	
ARTHROPODA	Crustacea	Decapoda	Astacidae							X	
ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus	X		X			X	X
ARTHROPODA	Crustacea	Amphipoda	Gammaridae							X	
ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia	X						
ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus					X		X
ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus						X	
ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis	X		X	X	X	X	X
ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus	X						
ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus	X						
ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus							X
ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus							X
ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus						X	X
ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus						X	
ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia				X			X
ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini	X	X	X	X	X	X	X
ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae	X	X	X	X	X	X	X
ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi	X						
ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae	X	X	X	X	X	X	X
ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini	X	X	X	X	X	X	X
ARTHROPODA	Insecta	Diptera	Empididae	Clinocera	X						X
ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia							X
ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium							X

Phylum	Class	Order	Family	Genus	Arkansas Valley	Central Great Plains	Central Irregular Plains	Central Oklahoma Texas Plains	Flint Hills	Ozark Highlands	Ouachita Mountains
ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium	X		X	X	X	X	X
ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops		X					
ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus					X		X
ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma							X
ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula							X
ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella	X					X	X
ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna	X		X	X	X	X	X
ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis	X		X	X	X	X	X
ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon		X		X	X		
ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis	X						
ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon							X
ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis	X	X	X	X	X	X	X
ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella						X	
ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella							X
ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta						X	X
ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron	X			X		X	X
ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema	X		X	X	X	X	X
ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia					X	X	X
ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae		X				X		
ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia	X						
ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes					X		
ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia						X	
ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes		X		X	X	X	
ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia						X	
ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila							X
ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus	X			X	X	X	X
ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina		X					
ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia	X	X		X	X		X
ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma	X	X					
ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia	X		X		X		X
ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra					X		
ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla						X	X
ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta	X			X	X		X
ARTHROPODA	Insecta	Plecoptera	Perlodidae	Clioperla							X
ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla	X				X		X
ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla	X			X	X	X	X
ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Oemopteryx						X	
ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx	X						X
ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx	X				X		X
ARTHROPODA	Insecta	Trichoptera	Glossosomatidae	Agapetus						X	X
ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche	X	X	X	X	X	X	X
ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche				X	X		X
ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila		X		X		X	X
ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra	X		X	X	X	X	X
ARTHROPODA	Insecta	Trichoptera	Psychomyiidae	Psychomyia						X	
ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila							X
MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella	X	X		X			
MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula	X						
MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium	X				X		
PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia						X	

3.3 BENEFICIAL USE EVALUATION

In accordance with workplan objectives, intensive sites were evaluated for attainment of their beneficial uses as listed in the *1998 Oklahoma Water Quality Standards Arcview Coverage* (OWRB 1998). The condensed assessment results listed in Appendix J were included in the final OCC contribution to the state's 2004 Integrated Report. The following is a brief discussion of each of the beneficial uses assessed.

The Fish and Wildlife Propagation beneficial use is established to protect and maintain waters capable of supporting different high quality communities of aquatic life. The subcategories included in this beneficial use are habitat limited aquatic community, warm water aquatic community, cool water aquatic community (excluding lake waters), and trout fishery. Criteria and Use Support Assessment Protocols (USAP) (OAC 785:46-15) for this beneficial use have been established for dissolved oxygen, pH, turbidity, and toxicants. Biological criteria (fish only) have been promulgated for wadable streams in the six easternmost ecoregions of the state. Individual parameter and final support status for Fish and Wildlife Propagation for project sites may be found in Appendix J.

The Primary Body Contact Recreation beneficial use is set aside for water bodies that experience direct human body contact with the possibility of ingestion of water. Criteria and USAPs for this use have been established for fecal coliform, *Escherichia coli*, and *Enterococci* bacteria and are in force from May 1 to September 30 (OAC 785:46-15). Although water quality standards indicate the use of only one bacteria type for use assessment, data was available and assessed for all three. Individual parameter and final support status for Primary Body Contact Recreation for project sites may be found in Appendix K.

The Public and Private Water Supply designation sets up criteria for the protection of water supplies from certain organic, inorganic, and/or radioactive materials, coliform bacteria, and oil and grease. USAP provides for assessment of use support with respect to toxicants listed in OAC 785:45-5-10(1) or 785:45-5-10(6) and fecal coliform bacteria. Data was available and assessed for nitrates, oil and grease, and fecal coliform bacteria. Individual parameter and final support status of project sites for Public and Private Water Supply are located in Appendix L.

The Agriculture beneficial use has been established to protect waters used for livestock and crop irrigation from toxicity due to excessive salinity. USAP provides for assessment of use support with respect to chloride, sulfate, and total dissolved solids as compared to sample standard and yearly mean standard values for six-digit drainage basins. Data was available and assessed for chloride and sulfate for all sites and TDS for a few sites in accordance with USAP. Individual parameter and final support status for project sites for Agriculture are included in Appendix M.

The Aesthetics beneficial use is designated to protect the quality of user experience and appreciation of streams. To be enjoyable, streams are so designated to protect the water from floating materials, suspended substances, or other materials that produce

objectionable color or turbidity. Waters must also be free from noxious taste and/or odors. Nutrients and Oil and Grease were assessed for all streams in determination of support for this use if designated. Individual parameter and final support status for the Aesthetics beneficial use for project sites may be found in Appendix N.

In summary, no sites were supporting for all beneficial uses assessed. Of primary focus, Fish and Wildlife Propagation was supported by 40 percent of the intensive sites with an additional 9 percent supporting for all parameters but lacking the bioassessment due to no established criteria for the ecoregion (i.e., Flint Hills). Eighty-three percent of the sites did not support for one or more beneficial uses, and of these, 88 percent did not attain the Primary Body Contact Recreation use. Appendix O contains a summary of all beneficial use assessment results for project sites. The reader is again reminded that many of the streams were selected as "bad" reference streams and were expected to fail some use(s); thus, these percentages do not reflect the actual distribution of "good" and "bad" streams in the state.

3.4 FINAL SCORING AND STREAM SELECTION

Results of the final scoring matrix are included in Table 11 (below). Nine high quality reference streams (three CIP, three COTP, two FH, and one OH) are proposed. Again, reference candidates represent those streams with the best "Final Rank" (i.e., Final Rank of "1" being the best possible) and which are fully supporting the Fish and Wildlife Propagation beneficial use for the parameters assessed; approximately the top ten percent for each ecoregion were chosen. Because the majority of the CGP ecoregion lies in the western half of the state, reference candidates are not proposed at this time. Reference streams were not chosen for Arkansas Valley and Ouachita Mountain streams due to failure of their sites to the attain the Fish and Wildlife Beneficial Use for one or more of the parameters assessed. Although streams in these and some of the other ecoregions failed in certain physicochemical parameters such as pH or DO, many of them possessed strong biological collections (i.e., exceeding biocriteria). Such circumstances seem to favor a possibility of site or even region specific criteria that would better reflect background conditions, which may naturally hover around certain statewide criteria levels.

To facilitate robust characterization of habitat-biota and water quality-biota relationships, streams exhibiting apparent habitat or water quality limitation were also chosen. Habitat limited streams (shaded brown) reflect those sites possessing corresponding "good" water quality and macroinvertebrate ranks with a coupling of poor habitat and fish ranks. Sites exhibiting good habitat and fish scores but poor water quality and macroinvertebrate ranks were deemed water quality limited (shaded blue). Such sites will hopefully aid in discrimination between habitat degradation and water quality impairment of sites monitored in the future (Plafkin et al. 1989) and perhaps best direct corrective implementation.

4.0 CONCLUSIONS

In summary, this project resulted in two years of robust assessment data (physicochemical, habitat, and biological) for 77 sites across Oklahoma's most unique

Table 11. Final Scoring Matrix Indicating Candidate Reference Streams (yellow – "good"; brown – possibly habitat limited; blue – possibly water quality limited).

Site Name	WBID	County	E-region	Water Quality Ranks	Habitat Ranks	Fish Ranks	Bug Ranks	FWP Beneficial Use (A=attaining, N=nonattaining, I=insufficient info.)	FINAL RANK (sum of weighted ranks)
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	2.54	2	1	2.92	N	2.05
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	2.88	4	1.5	2.00	N	2.26
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	1.83	4	2.5	2.58	N	2.65
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	2.17	1	4.5	2.75	N	3.01
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	1.83	3	4.5	2.50	N	3.18
Gaines Creek	OK220600-04-0010F	Latimer	AV	3.04	3	3.5	3.25	N	3.27
Beaver Creek	OK220600-04-0030G	Latimer	AV	4.13	3	4	3.88	N	3.83
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	3.79	3	5	3.92	N	4.14
Willow Creek	OK520610-01-0080G	Cleveland	CGP	***	***	***	***	N	***
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	***	***	***	***	A	***
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	1.13	1	1	1.25	A	1.11
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	1.71	1	1	2.38	A	1.59
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	1.54	1	1.5	2.50	A	1.78
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	1.75	1	2	2.25	A	1.90
Big Creek	OK121510-03-0010G	Nowata	CIP	2.38	3	2.5	3.38	A	2.86
PawPaw Creek	OK121600-06-0240G	Craig	CIP	2.67	2	2.5	3.75	N	2.89
California Creek	OK121510-02-0050C	Nowata	CIP	2.67	2	3.5	3.00	N	2.98
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	5.13	1	3	3.00	N	3.02
Fly Creek	OK121600-03-0180D	Ottawa	CIP	2.63	3	4.5	1.75	I	3.03
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	2.25	3	2.5	4.00	A	3.06
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	2.38	4	4.5	2.38	N	3.36
Russell Creek	OK121600-04-0200G	Craig	CIP	2.88	4	3.5	3.25	N	3.39
Pryor Creek	OK121610-00-0090N	Mayes	CIP	4.79	3	4.5	2.50	N	3.62
Snow Creek	OK121510-02-0250F	Nowata	CIP	2.25	6	2.5	4.50	A	3.69
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	3.00	1	5	4.25	N	3.84
Lightning Creek	OK121510-01-0130M	Nowata	CIP	1.71	2	6.5	3.50	I	4.06
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	3.42	3	5	5.00	N	4.46
Rabb Creek	OK121400-01-0090D	Rogers	CIP	3.75	5	5.5	4.00	A	4.64
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	3.79	4	4.5	5.42	N	4.64
Cow Creek	OK121600-04-0130G	Ottawa	CIP	4.38	5	4.5	5.33	N	4.85
Horse Creek	OK121600-03-0160G	Ottawa	CIP	4.71	4	5.5	4.75	N	4.89
Bull Creek	OK121600-06-0200G	Craig	CIP	5.38	4	5.5	5.38	N	5.21
Clear Creek	OK121300-03-0200C	Osage	COTP	2.71	2	1.5	2.00	A	1.93
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	2.17	1	2.5	2.25	N	2.14
Buck Creek	OK121400-04-0050C	Osage	COTP	1.92	2	1.5	3.50	A	2.34
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	2.83	1	3.5	1.75	A	2.41
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	4.50	1	1	3.58	N	2.43
Bird Creek	OK121300-03-0010A	Osage	COTP	2.42	1	3	3.25	A	2.70
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	2.83	2	2	3.75	A	2.74

Site Name	WBID	County	E-region	Water Quality Ranks	Habitat Ranks	Fish Ranks	Bug Ranks	FWP Beneficial Use (A=attaining, N=nonattaining, I=insufficient info.)	FINAL RANK (sum of weighted ranks)
Camp Creek	OK621200-03-0040F	Pawnee	COTP	2.21	5	2	2.75	A	2.74
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	3.13	3	2.5	3.00	N	2.84
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	2.63	6	1.5	3.17	N	2.93
Elm Creek	OK520810-00-0100C	Cleveland	COTP	2.04	2	5	2.33	A	3.17
Buckeye Creek	OK620900-01-0220G	Creek	COTP	2.08	4	3	3.75	A	3.28
Eastman Creek	OK410700-00-0230D	Bryan	COTP	3.38	4	4	2.25	A	3.29
Glasses Creek	OK310800-01-0020M	Marshall	COTP	3.08	3	3	4.00	A	3.36
Lagoon Creek	OK620900-01-0180J	Creek	COTP	2.58	4	2.5	4.63	A	3.48
Doga Creek	OK621200-02-0020M	Osage	COTP	3.21	2	6	1.88	N	3.54
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	2.00	3	6.5	2.25	A	3.81
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	3.83	3	4.5	4.00	N	4.00
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	2.42	3	6.5	2.63	A	4.01
Little Deep Fork	OK520700-06-0130T	Creek	COTP	2.58	4	5	3.88	A	4.09
Captain Creek	OK520700-05-0140C	Lincoln	COTP	2.33	4	5.5	3.88	A	4.23
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	2.96	5	6.5	2.33	A	4.29
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	4.83	4	6	2.63	N	4.34
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	3.25	2	7.5	2.88	N	4.42
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	2.67	6	5	4.00	A	4.45
Council Creek	OK620900-02-0050H	Payne	COTP	2.75	5	6.5	3.88	A	4.79
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	4.38	4	4.5	5.63	N	4.80
Turkey Creek	OK520510-00-0100E	Seminole	COTP	3.00	3	7.5	4.75	N	5.19
Euchee Creek	OK620900-01-0290R	Payne	COTP	4.33	4	6.5	4.88	N	5.23
Little Chief Creek	OK621200-04-0070C	Osage	FH	2.67	1	1.5	2.88	I	2.08
Salt Creek	OK621200-04-0010J	Osage	FH	2.29	1	2	2.63	I	2.11
Gray Horse Creek	OK621200-01-0400T	Osage	FH	3.21	2	2.5	2.00	N	2.36
North Buck Creek	OK121400-03-0210R	Osage	FH	2.29	3	1	4.25	I	2.63
North Bird Creek	OK121300-03-0320M	Osage	FH	3.13	2	3	2.50	I	2.69
Sand Creek	OK121400-04-0010T	Osage	FH	2.75	2	1.5	4.25	I	2.73
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	3.13	3	4.5	2.75	I	3.46
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	3.67	4	4.5	4.25	I	4.21
Saline Creek	OK121600-02-0030D	Mayes	OH	1.33	1	1.5	3.00	A	1.93
Lost Creek	OK121600-03-0560G	Ottawa	OH	4.25	1	1.5	3.25	A	2.45
Whitewater Creek	OK121600-03-0320G	Delaware	OH	2.08	2	2.5	3.50	A	2.71
Drowning Creek	OK121600-03-0090G	Delaware	OH	3.75	2	2.5	3.00	A	2.79
Pine Creek	OK410300-03-0580C	Pushmataha	OM	1.67	1	2	1.63	N	1.67
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	3.79	2	1	3.50	N	2.44
Dry Creek	OK410310-01-0070C	Pushmataha	OM	2.38	1	3.5	3.00	I	2.78
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	3.46	3	2	4.00	N	3.07

***reference sites not selected

ecoregions. The results of this database will be far reaching, serving now as an initiation in reference stream determination in selected ecoregions but more importantly filling in gaps in data coverage that will allow a more robust effort to be undertaken this year. Because of the rigorous effort of Phase I activities, the OCC has a preliminary assessment of over 450 sites that will aid in selection of monitoring sites for future projects.

Due to the necessity to report results for ecoregions within project boundaries, the Central Great Plains ecoregion is particularly depauperate in representation. The results of this project will be collated with those of similar projects and analyzed as a statewide composite sometime next year. This will result in better representation and characterization of this ecoregion than the results of this project alone. Likewise, the Central Oklahoma Texas Plains ecoregion will be represented by additional sites when the rest of the state is considered. **Because this selection of reference streams is based on a partial sample of some ecoregions, all reference stream determinations should be considered provisional. They will almost certainly change to some degree when they are ranked with additional streams in the composite analysis next year and when the new ecoregion boundaries are adopted.**

The screening and scoring methodology developed and implemented for this project appears to be useful. Category ranks for which streams were judged often exhibit a logical and supportive congruence in magnitude (e.g., high fish with high habitat). There are expected exceptions however, such as significant water quality limitation, when a stream with high quality habitat has a water quality problem sufficient to harm the biota. Instances such as this cause the habitat score to disagree with the scores from water quality, fish, and benthic macroinvertebrates.

The scoring matrix was designed so that categories could be sorted a number of ways to afford determination of “best of, worst of” scenarios. Such an ability to explore and possibly better characterize habitat-biota and water quality-biota relationships is perhaps the greatest strength of this approach. The use of ranks for final scoring was employed to purposely reduce discriminatory ability between sites, thus lending more certainty to differences that are realized. It was hoped that such a scheme would help ensure that only the best sites would be considered for reference.

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Appendix A. Field Sheets and Scoring Criteria for the Phase I Abbreviated Habitat and Water Quality Assessments.

Stream Name _____ WBID _____ Legal _____ Observer(s) _____

Date _____ County _____ Lat/Long _____ Direction: Upstream Downstream

Time _____ Ecoregion _____ Start Point _____

Flow Condition
(circle one) bf se

Flow _____**c.f.s.**
(circle one) est.
mea.

Periphyton Type
(dominant & subdominant)

fil diat _____
fil green _____
B G mat _____
gel dia _____
lemanea _____
other _____

Estimated average Thalweg depth _____
Estimated maximum depth _____
Estimated % of Thalweg deeper than 0.5m _____
Estimated % of Thalweg deeper than 1.0m _____
Estimated average stream width _____

Periphyton Density
(max pp > 50% aerial coverage)

sparse _____
moderate _____
abundant _____

% of 400 meters composed of

pool _____
run _____
riffle _____

D.O. (riffle) _____ pH _____ Turb. _____ Temp. _____ Cond. _____ Alk. _____

Habitat Score

Metric
1. Instream cover..... _____
2. Pool bottom substrate..... _____
3. Pool variability..... _____
4. Canopy cover..... _____
5. Presence of Rocky, Runs & Riffles... _____
6. Flow at base elevation..... _____
7. Channel Alteration..... _____
8. Channel Sinuosity..... _____
9. Bank Stability..... _____
10. Bank Vegetative Stability..... _____
11. Dominant Vegetation..... _____

Total ..... ____

Water Quality Score

Dissolved Oxygen Score _____

Turbidity Score _____

pH Score _____

Livestock dropping Score _____

Periphyton Score _____

Land Use Score _____

Point Source Score _____

Total _____

Field Observations

Observation	Stream length
1) Oil & grease …….	_____
2) Offensive odor…….	_____
3) Unpleasant appearance – color ….	_____
4) Excessive floating debris, bottom deposits, scum, foam, trash, or other misc. junk ……..	_____
5) Excessive growths of filamentous periphyton, phytoplankton (i.e., floating mats or pea soup), and/ or macrophytes ……	_____

Other observations of significance:

Dissolved Oxygen 10 points possible

<50% saturation or > 150% saturation = 0 pts _____
>50% <150% = 10 pts

Turbidity 10 points possible _____

0 - 3 NTU	10 pts
3.01 - 10	8 pts
10.01 - 20	5 pts
20.01 - 30	3 pts
30.01 - 50	1 pts
> 50	0 pts

pH 10 points possible _____

6 - 9	10 pts
9.01 - 9.5 or 5.5-5.99	5 pts
9.51 - 9.99 or 5.01 to 5.49	3 pts
10.0 or 5.0	0 pts

Livestock droppings 10 points possible _____

within	0 - 1	per 1000 m^2	10 pts
bankfull	2 - 50	per 1000 m^2	5 pts
elevation	> 50	per 1000 m^2	0 pts

Periphyton density 10 points possible _____

Sparse ..... 10 pts
Moderate ..... 5 pts
Abundant ..... 0 pts

If periphyton is dominated by Lemanea, score 10 points. Use the thickness of the majority of periphyton.

Point Source 25 points possible _____

a no point source within 15 stream miles ..... 25 pts
b minor municipal within 10-15 stream miles ..... 20 pts
c minor municipal within 5-10 stream miles ..... 15 pts
d minor municipal within 0-5 stream miles ..... 10 pts
or
major municipal within 10-15 stream miles
e major municipal within 5-10 stream miles ..... 5 pts
f major municipal within 0-5 stream miles ..... 0 pts
industrial pt source bpj ___ pts

Land Use 10 points possible _____

a > 50% of watershed cultivated or > 10% urban ..... 0 pts
b 10-50% cultivated or 2-10% urban ..... 5 pts
c 0-10% cultivated or 0-2% urban ..... 10 pts

1. Instream Cover	> 50% mix of stable habitat 100% 50% 20 pts 16 pts	30-50% mix of stable habitat 49% 30% 15 pts 11 pts	10-30% mix of stable habitat 29% 10% 10 pts 6 pts	< 10% mix of stable habitat 9% 0% 5 pts 0 pts
2. Pool Bottom Substrate	Mud, loose sand & bedrock make up to 19% of pool bottoms 0% 19% 20 pts 16 pts	Mud, loose sand & bedrock make up 20-49% of pool bottoms 20% 49% 15 pts 11 pts	Mud, loose sand & bedrock make up 50-79% of pool bottoms 50% 79% 10 pts 6 pts	Mud, loose sand & bedrock make up 80-100% of pool bottoms 80% 100% 5 pts 0 pts
3. Pool Variablity	Even mix of deep & shallow pools dp >40% & dp >30% & sp >40% sp >30% 20 pts 16 pts	Majority of pools large & deep. Few shallow pools dp 70% dp = 100% 15 pts 11 pts	Majority of pools shallow dp >29% dp >10% 10 pts 6 pts	Most pools shallow, deep pools rare or absent dp <10% dp = 0% 5 pts 0 pts
4. Canopy Cover	Mixture of conditions 45-55% 25-30% or 70-75% 20 pts 16 pts	Covered by sparse canopy < 25% < 10% 15 pts 11 pts	Covered by dense canopy > 75% = 100% 10 pts 6 pts	Lack of canopy < 10% = 0% 5 pts 0 pts
5. Rocky Runs & Riffles	> 80% > 60% 20 pts 16 pts	59% 30% 15 pts 11 pts	29% 6% 10 pts 6 pts	5% 0% 5 pts 0 pts
6. Flow	> 20 cfs > 5 cfs 20 pts 16 pts	< 5 cfs > 2 cfs 15 pts 11 pts	< 2 cfs 1 cfs 10 pts 6 pts	< 1 cfs 0 cfs 5 pts 0 pts
7. Channel Alteration	Little enlargement of islands & point bars 5% ptbrs or islands 20% 15 pts 12 pts	Some increase in new bar formation 21% ptbrs or islands 40% 11 pts 8 pts	Moderate deposition, pools partially filled 41% ptbrs or islands 60% 7 pts 4 pts	Heavy deposition, most pools filled 61% ptbrs or islands 100% 3 pts 0 pts
8. Channel Sinuosity	4 3 15 pts 12 pts	<3 2 11 pts 8 pts	<2 1.2 7 pts 4 pts	< 1.2 1 3 pts 0 pts
9. Bank Stability - % eroded = 2 sides	<20° slope, <20% eroded, <20% ht 10 pts 8 pts	<39° slope, <49% eroded, 49% ht 8 pts 6 pts	<59° slope, <100% eroded, 80% ht 5 pts 3 pts	<60° slope, > 100% eroded, 80% ht 2 pts 0 pts
10. Veg. Stability	0% unstable 10% unstable 10 pts 9 pts	11% unstable 20% unstable 8 pts 6 pts	21% unstable 40% unstable 5 pts 3 pts	41% unstable 100% unstable 2 pts 0 pts
11. Dom. Stream side Veg.	100% shrub 34% shrub 10 pts 9 pts	100% tree 34% tree 8 pts 6 pts	100% grass 34% grass 5 pts 3 pts	34% rock 100% rock 2 pts 0 pts

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	16622	04/27/99	9		90	131.1	17.8	8.42	88.89063822	58.6	6.96	0.08	0.007	**0**		0.87	0.087	0.877		0.14	4	25.3	32.5	4000
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	16623	05/25/99	9	188.72	52.9	256.8	21.8	7	80.1270732	26.9	6.62	**0.02**	**0.002**	0.23		0.63	0.252	0.862	0.01	0.081	7	66.6	22	400
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	13383	06/22/99	5	2.95	98.9	437.2	24.9	6.53	79.19634547	17.5		**0**	**0.001**	0.138		0.3	0.139	0.439	**0.0015**	0.048	5	103.2	17	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	13295	07/20/99	5	1.11	107.7	495	27.8	5.26	67.40465058	9.85		**0.01**	**0.0005**	0.06		0.22	0.0705	0.2805	**0.0015**	0.039	7	91	9	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	13350	08/24/99	4	0.05	17.4	620	27.1	2.63	33.70232529	5.78	7.3	**0.01**	**0.0005**	0.082		0.5	0.0925	0.5825	**0.0025**	0.028	6	125	1.5	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	13226	10/05/99	2	0	140	628	17.5	6.35	67.03747657	8.59	7.3	**0.02**	**0.0005**	**0.0225**		0.35	0.043	0.373	**0.0025**	0.037	5	86.5	7	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	13411	11/09/99	2		172	671	14.3	0.23	2.277108411	7.59	7.05	**0.01**	**0.0025**	0.08		0.67	0.0925	0.7525	0.029	0.123	6	175	15.5	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	18184	12/14/99	7	8.95	85.4	398.1	7.2	9.49	79.76912694	64.5	7.36	**0.02**	0.007	0.55		0.14	0.577	0.697	0.021	0.116	5.5	50.2	37	1200
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	18139	01/19/00	5	0.94	105	469.9	10.7			15.5	7.76	**0**	**0.001**	0.11		0.38	0.111	0.491	**0.0025**	0.039	6.5	99	9	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	18049	02/21/00	5	1.53	106.8	477.6	9.6	9.28	81.85349697	11.1	7.78	**0.01**	**0.0005**	**0**		0.41	0.0105	0.4105	**0.0001**	0.031	9	99	10	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	17811	03/28/00	7	16.66	63	197.1	18.2	7.17	77.29628001	86.8	7.45	**0.01**	0.007	**0**		1.04	0.017	1.047	0.005	0.145	6.5	59.1	91	1200
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	18642	05/01/00	7	142.09	91	388	18.3	5.53	59.61623828	108	7.53	0.202	0.028	0.25		2.17	0.48	2.448	0.049	0.26	8.5	70.8	78	12500
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	21364	06/05/00	6	10.36	82	370	23.3	4.98	59.26889417	37.3	7.01	0.061	0.017	0.31		0.61	0.388	0.937	0.031	0.141	5.2	92.4	25	100
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	19059	07/10/00	5	3.25	110	364	30.5	5.45	73.63705354	13.2	7.36	**0.025**			0.08	0.14	0.105	0.22	0.012	0.039	**2.5**	69.2	4	270
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	19153	08/15/00	2	0	153	285	30.3	5.23	70.66454863	15.4		**0.025**			**0.025**	0.37	0.05	0.395	0.013	0.034	**2.5**	146	2	40
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	22124	12/04/00	6		88	131	6.6	8.99	73.68172916	44.6	8.14	**0.025**			1.32	0.23	1.345	1.55	0.007	0.035	**2.5**	41	1	90
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	22576	02/20/01	9	248.76	24	101	7.1	6.31	53.03932466	31.7	8.28	**0.025**			1.6	0.34	1.625	1.94	0.009	0.037	**2.5**	12.7	1	200
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	16745	04/27/99	9		35	65.8	17.1	7.47	78.86140944	254	6.16	**0.01**	**0.0015**	0.02		0.99	0.0315	1.0115		0.33	4	**1**	271	2000
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	16746	05/25/99	9		36.4	148.8	21.3	7.46	85.39256659	40.8	6.76	**0.015**	**0.002**	0.24		0.39	0.257	0.632	0.013	0.093	6	5.3	28.5	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	13616	06/22/99	7	49.92	29.7	122.6	24.2	6.19	75.07279915	27.5	7.23	0.058	0.007	0.32		0.44	0.385	0.767	0.02	0.068	3.2	19	16	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	13292	07/20/99	5	38.61	37.8	168.9	28.5	4.69	61.17768726	22.6		**0.01**	**0.001**	0.138		0.21	0.149	0.349	0.006	0.061	7.5	27.6	19.5	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	13513	08/24/99	4	0.1	53	243.9	27	3.77	48.31093778	12.5	6.74	0.03	**0.0005**	**0.025**		0.45	0.0555	0.4755	**0.0025**	0.028	5	53.5	10.5	300
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	13223	10/05/99	5	0.04	100	437	15.3	5.59	56.55273115	11.6	7.17	**0.01**	**0.0025**	0.1		0.31	0.1125	0.4125	**0.0025**	0.042	7	52.8	9	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	13410	11/09/99	4	0.03	110	405.1	14.4	3.49	34.55264502	6.16	6.91	**0.01**	**0.001**	0.094		0.21	0.105	0.305	**0.002**	0.038	6	66	10.5	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	18188	12/14/99	7	128.3	58.4	234.8	7.5	10.01	84.14003801	20.2	7.2	**0**	**0.002**	0.42		**0.035**	0.422	0.457	0.015	0.263	6.3	34.6	100	4000
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	18143	01/19/00	6	8.32	53.9	222.8	10.4			30.3	6.95	0.065	**0.0015**	0.169		0.33	0.2355	0.5005	**0.0025**	0.052	8.5	72	16	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	18045	02/21/00	6	6.62	69.5	321.3	9.9	8.2	72.32744344	19.9	7.58	**0.01**	**0.001**	0.074		0.44	0.085	0.515	**0.0001**	0.036	10	62.8	9.5	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	17807	03/28/00	7	37.71	34	188.4	16.5	6.61	68.36541827	135	7.31	**0.01**	0.006	0.064		0.72	0.08	0.79	0.007	0.176	7.5	37.6	90	1200
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	18697	05/09/00	9	197.35	29	132.5	22.5	7.17	83.76718418	62.2	7.06	**0**	0.007	0.215		0.63	0.222	0.852	0.014	0.12	4	30.6	31	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	21434	06/13/00	6	26.04	47.5	202.2	24.5	5	60.64038703	43.8	6.6	0.08	0.006	0.2		0.75	0.286	0.956	0.015	0.128	5	28.4	26	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	19024	07/18/00	5	1.82	35	169.4	29.3	4.02	53.3951653	21.1	7.03	0.05			**0.025**	0.28	0.075	0.305	0.022	0.066	**2.5**	23.1	8	400
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	19161	08/22/00	4	0.2	62.7	206.4	26.3	2.04	25.68933677	19.3	6.86	**0.025**			**0.025**	0.54	0.05	0.565	0.023	0.038	**2.5**	24.1	10	
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	21527	09/26/00	2	0	54	427.3	14.9	3.97	39.30487127	6.5	7.75	**0.025**			**0.025**	0.47	0.05	0.495	**0.0025**	0.046	**2.5**	90.5	12	190
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	21818	10/30/00	4	0.06	45	218	24.2	6.14	74.46639528	12.8	7.93	**0.025**			**0.025**	0.39	0.05	0.415	0.008	0.015	**2.5**	27.8	14	300
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	22122	12/04/00	6	10	45	133	5.8	11.2	89.49094294	19.8	7.97	**0.025**			1.11	0.18	1.135	1.29	0.014	0.043	**2.5**	19.1	4	90

Appendix B-1. Water quality data for Task 110 intensive sites. (*sum of ammonia, nitrite, and nitrate; **sum of nitrite, nitrate, and TKN)

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	22286	01/16/01	9	73.04	44	105	4.6	11.97	93.15919993	72.4	7.95	0.08			0.79	0.14	0.87	0.93	0.02	0.057	**2.5**	25.2	2	10
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	22582	02/20/01	9		34	98	9.6	7.55	66.59417049	72.9	7.98	**0.025**			0.61	0.21	0.635	0.82	0.025	0.065	**2.5**	20.5	1	100
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	22730	03/26/01	5	32.09	41	182.2	13.5	9.6	92.96655533	9.6	7.5	**0.025**			0.05	0.28	0.075	0.33	0.011	0.016	**2.5**	32.7	2	50
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	16750	04/26/99	9		42	65.6	17.6	8.3	87.91193252	291	6.41	**0.02**	**0.002**	0.02		1.09	0.042	1.112		0.35	4	**1**	336	2000
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	16751	05/24/99	9		29.7	122.3	22.6	6.76	79.23686037	55.9	6.69	**0.01**	**0.002**	0.19		0.46	0.202	0.652	0.007	0.104	5.5	9	32.5	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	13381	06/21/99	7	15.26	48.5	179.7	25.5	6.39	79.26303443	28.5	6.75	**0.025**	**0.0015**	0.156		0.27	0.1825	0.4275	0.01	0.055	3	23.1	12	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	13422	07/19/99	5	6.45	73.6	500	30	5.95	80.65711204	7.9		**0**	**0.001**	0.065		0.17	0.066	0.236	**0.0001**	0.029	7.5	114	8	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	13346	08/23/99	4	0.21	305	980	27.5	4.47	57.46950315	12.7	7.57	**0.01**	**0.0005**	**0.01**		0.46	0.0205	0.4705	**0.0025**	0.036	9	152	7.5	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	13222	10/04/99	2	0	645	1953	18.5	5.66	61.21835714	15.9	8.09	**0.01**	**0.0005**	**0.02**		0.37	0.0305	0.3905	**0.0025**	0.049	15	86.8	12	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	13260	11/08/99	4	0.08	640	189.3	17.1	3.35	35.48252698	11.5	7.84	**0.01**	**0.0015**	0.058		0.57	0.0695	0.6295	0.018	0.068	14	164	13.5	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	18176	12/13/99	7	80.67	0.26	125.9	9.5	9.85	87.16683843	2.175	6.73	**0.01**	**0.0015**	0.44		0.35	0.4515	0.7915	0.014	0.228	5.2	24.8	106	2200
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	18131	01/18/00	5	3.47	73.3	304.9	12			67.8	7.54	**0**	**0.0015**	0.139		0.32	0.1405	0.4605	**0.0025**	0.083	10.5	50	23	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	18044	02/20/00	5	2.53	69	293.1	10.9	10.64	96.49721067	21.3	7.82	**0.025**	**0.0005**	**0.01**		0.31	0.0355	0.3205	**0.0001**	0.038	12	50	10	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	17806	03/28/00	5	2.54	60.5	269.1	17.3	6.52	69.05853012	16.4	7.34	**0.01**	**0.0005**	**0**		0.3	0.0105	0.3005	**0**	0.037	11	43.8	17	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	18676	05/08/00	7	98.79	41	144.6	23.2	7.26	86.68818377	55.9	7.37	**0**	0.006	0.193		0.65	0.199	0.849	0.005	0.1	4	36.3	30	400
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	21416	06/12/00	7	14.8	65	235.5	25.4	6.7	83.10834596	41.4	7.28	0.061	0.005	0.092		0.59	0.158	0.687	0.01	0.112	6	31.7	33.5	100
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	19043	07/17/00	5	0.57	94	331.4	29.9	5.06	67.42985113	13.3	7.31	0.05			**0.025**	0.37	0.075	0.395	0.015	0.036	**2.5**	43.5	2	110
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	19160	08/21/00	4	0.01	128	421	27.8	5.65	72.64042344	5.37	7.27	0.07			0.05	0.54	0.12	0.59	0.025	0.069	**2.5**	42.9	6	30
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	21513	09/25/00	7	15.63	102	377.1	18.3	4.2	45.42704947	40.2	7.43	**0.025**			**0.025**	0.63	0.05	0.655	0.064	0.207	**2.5**	35	40	13000
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	21819	10/30/00	2	0		617	21.1	4.72	54.20620959	20.1	7.53	**0.025**			**0.025**	0.44	0.05	0.465	0.015	0.033	**2.5**	146	12	200
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	22123	12/04/00	6	12.05	61	165	5.1	10.98	88.02158879	32		**0.025**			0.23	0.14	0.255	0.37	0.011	0.044	**2.5**	24.3	1	120
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	22583	02/20/01	7	49.48	49	118	10.3	6.84	62.03392115	34.2	7.78	**0.025**			0.21	0.18	0.235	0.39	0.016	0.044	**2.5**	23.2	2	180
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	22731	03/26/01	5	9.55	65	224.3	12.3	8.74	83.02257693	13.6	6.83	**0.025**			**0.025**	0.28	0.05	0.305	0.013	0.018	**2.5**	36.5	2	20
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	16755	04/27/99	9		28	43	16.5	8.44	87.6121064	58.4	6.25	0.09	**0.002**	**0.025**		0.72	0.117	0.747		0.12	5	**1**	37.5	4000
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	16756	05/25/99	7	17.46	17.8	89	26.6	6.13	77.476476	33.8	6.16	**0.01**	**0.0015**	0.23		0.44	0.2415	0.6715	0.013	0.096	7	6.5	23.3	100
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	15026	06/22/99	5	1.02	38.8	150.2	24.6	4.95	60.25371358	28.6		**0**	0.007	0.24		0.56	0.247	0.807	0.008	0.08	10	17.4	13	500
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	13423	07/20/99	5	0.24	43.1	169.7	29.3	4.75	63.32222279	18.7		0.099	**0.0005**	0.169		0.62	0.2685	0.7895	0.006	0.085	12	2.1	13.5	100
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	13348	08/24/99	2	0	77.4	211.6	27.6	3.63	46.68715417	13.1	7.07	0.064	**0.0005**	0.11		0.71	0.1745	0.8205	**0.0025**	0.051	16	2.88	11	100
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	13457	10/05/99	2	0	90	331	15.6	4.66	47.31668952	31.3	6.98	0.281	0.014	0.35		1.47	0.645	1.834	**0.0025**	0.138	29	16.5	33	200
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	13527	11/09/99	4	0.05	99	428.4	15.7	3.77	38.27981105	22	6.96	0.113	**0.001**	0.29		1.32	0.404	1.611	0.005	0.147	39	32.8	24	400
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	18186	12/14/99	7	21.95	17	101.6	7.4	9.88	83.35127175	70.9	6.35	**0.02**	0.005	0.33		0.1	0.355	0.435	0.023	0.133	7	8.5	30.5	400
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	18141	01/19/00	5	1.24	28.3	174.4	10.8			33.6	7.15	**0**	0.005	0.247		1.36	0.252	1.612	0.013	0.189	15.5	27.8	23.5	100
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	18047	02/21/00	5	1.07	31.3	193.5	9.7	9.31	82.4186701	21.2	7.22	**0.04**	0.01	0.22		1.11	0.27	1.34	0.032	0.141	17	31.9	14	100
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	17809	03/28/00	5	1.65	29	141.1	18.5	7.5	81.14978259	13.2	7.11	0.083	**0.002**	**0**		0.48	0.085	0.482	**0.0015**	0.05	10	24.4	11	700
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	18699	05/09/00	7	37.45	22	124.7	22.1	6.3	73.87235943	39		0.064	0.008	0.181		0.54	0.253	0.729	0.01	0.09	5.5	21	21	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	21436	06/13/00	6	3.32	47.1	130.2	24.5	4.35	52.95023314	30.5	6.46	0.063	**0.002**	0.193		0.78	0.258	0.975	0.025	0.14	11	19.7	23	100
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	19026	07/18/00	5	0.05	42	164.8	27.8	2.95	37.94135118	17.9	6.78	0.06			**0.025**	0.51	0.085	0.535	0.02	0.063	5.4	14.1	4	400
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	19163	08/22/00	2	0	64	226.3	25.3	2.48	30.77388843	5.84	6.9	0.13			0.17	0.84	0.3	1.01	0.049	0.099	6.3	**2.5**	1	10
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	21529	09/26/00	5	1.01	51	260.8	16.8	4.62	47.95828573	112	7.66	0.41			0.08	2.21	0.49	2.29	0.258	0.645	16.5	34.6	108	11000
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	21816	10/30/00	5	4.98	39	135	19	2.16	23.85067476	27.5	8	0.05			**0.025**	0.67	0.075	0.695	0.02	0.061	**2.5**	22.7	22	700
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	22120	12/04/00	5	3.27	88	148	4	7.55	58.9746281	44.5	7.86	0.19			0.27	0.54	0.46	0.81	0.059	0.133	6.5	17.1	10	300
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	22284	01/16/01	7	10.65	49	66	4.1	6.97	54.44412687	68.3	8.37	**0.025**			0.34	0.29	0.365	0.63	0.01	0.05	**2.5**	21	1	
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	22580	02/20/01	7	24.72	28	55	8.6	7.17	61.97154403	29.6	8.07	**0.025**			0.18	0.18	0.205	0.36	0.011	0.035	**2.5**	14.4	1	60
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	22728	03/26/01	5	5.09	20	121	10.2	10.44	94.71842947	20.3	7.06	**0.025**			0.09	0.84	0.115	0.93	0.019	0.06	**2.5**	20.4	60	90
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	16760	04/27/99	9		15	29.9	15.3	9.5	96.77295955	21.1	5.52	**0**	**0.001**	**0.025**		0.26	0.026	0.286		0.04	3	**1**	3.5	10000
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	16761	05/25/99	9	40.7	9	48.2	20.5	8.72	98.6209283	20.7	6.05	**0**	**0.001**	**0.025**		0.14	0.026	0.166	0.01	0.034	6	4.1	6	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	13534	06/22/99	6	7.57	11.4	61.1	25.4	7.17	89.25896203	14.3		**0.01**	**0.001**	**0.025**		0.1	0.036	0.126	**0.002**	0.021	4	9.61	4.5	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	13293	07/20/99	5	0.64	14.6	77.1	30.5	6.56	89.24674423	7.51		**0.025**	**0.001**	**0.01**		0.11	0.036	0.121	**0.0015**	0.026	8	6.62	9.5	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	13347	08/24/99	2	0	30.4	122.6	28.4	4.84	63.57029343	7.33	6.86	0.031	**0.0005**	**0.025**		0.56	0.0565	0.5855	**0.0025**	0.034	8	12	7.5	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	13224	10/05/99	2	0	17	118.8	17.5	7.28	77.38627712	4.53	6.41	**0.01**	**0.0005**	**0.0225**		0.16	0.033	0.183	**0.0025**	0.018	11.5	16.3	3	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	13261	11/09/99	2	0.2	22	122.7	16.3	7.58	78.93922593	3.1	6.35	**0.01**	**0.001**	0.31		0.2	0.321	0.511	**0**	0.01	12	15.3	3.5	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	18187	12/14/99	7	52.7	6.2	54.7	8.4	11.02	95.55573078	20.7	5.96	**0**	**0.001**	0.175		**0.05**	0.176	0.226	0.004	0.049	6	5.68	6.5	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	18142	01/19/00	5	5.07	6.5	76.2	11.4			11.5	5.91	**0**	**0.001**	**0**		**0.05**	0.001	0.051	**0.0025**	0.019	10	12.6	4	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	18046	02/21/00	5	4.53	6.9	86.4	10.5	11.09	100.9409804	8.38	7.1	**0**	**0.001**	**0.01**		0.19	0.011	0.201	**0.0001**	0.015	10	13.1	1	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	17808	03/28/00	5	3.8	9.3	87.1		8.58		11.3	7.07	**0.015**	**0.001**	**0**		0.18	0.016	0.181	**0**	0.023	7.5	13.8	6	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	18698	05/09/00	7	57.42	8.7	51.9	21	7.88	90.82305354	21.7		0.015	**0.002**	**0.0245**		0.16	0.0415	0.1865	**0.0015**	0.04	4	5.23	4	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	21435	06/13/00	5	1.62	16.2	85.7	28.9	7.12	93.51663	8.71	7.13	**0.01**	**0.001**	**0**		0.27	0.011	0.271	**0.0001**	0.063	6.4	10.5	7.5	100
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	19025	07/18/00	4	0.3	15.4	98.1	28.9	8.35	109.6718905	5.4	7.99	0.05			0.06	0.09	0.11	0.15	0.005	0.014	**2.5**	9.2	2	20
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	19162	08/22/00	2	0	21.6	126.3	26.5	4.35	55.15699833	9.94	6.86	0.08			0.06	0.45	0.14	0.51	0.012	0.04	**2.5**	**2.5**	1	400
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	21528	09/26/00	5	2.11	20	117.5	17.8	7.48	79.51227375	67.2	6.98	**0.025**			0.06	0.32	0.085	0.38	0.037	0.079	5	39.8	32	900
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	21817	10/30/00	5	5.54	39	81	21.1	8.44	97.27748374	19.2	8.29	**0.025**			**0.025**	0.16	0.05	0.185	0.012	0.05	5.3	11.7	12	300
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	22121	12/04/00	5	12.44	34	47	5.7	11.99	96.46480408	18.5	8.18	**0**			0.07	**0.025**	0.07	0.095	0.007	0.031	**2.5**	8	1	10
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	22285	01/16/01	7	76.2	33	60	4.8	12.68	99.36638615	24.5	8.14	**0**			0.21	0.05	0.21	0.26	0.005	0.029	**2.5**	11.2	1	10
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	22581	02/20/01	7	45.01	21	48	10.6	7.24	65.89834967	15.4	7.81	**0.025**			0.06	0.09	0.085	0.15	0.006	0.032	**2.5**	9.7	1	10
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	22729	03/26/01	5	8.54	5	55.6	11.1	9.57	89.16296605	12.5	7.52	**0.025**			**0.025**	0.11	0.05	0.135	0.008	0.01	**2.5**	10.9	14	10
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	16765	04/27/99	9	223.48	32	58.6	17.6	8.64	91.54704593	26.7	6.51	**0.01**	0.005	**0.01**		0.38	0.025	0.395		0.07	5	2.2	8.5	8000
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	16766	05/25/99	5	5.05	23.3	128.2	21.6	7.65	87.88794994	21.1	6	**0**	**0.0015**	0.17		0.55	0.1715	0.7215	**0.002**	0.053	8	3.6	12	100
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	13382	06/22/99	5	1.71	26.8	124.3	25.4	8.07	100.1392257	6.49		**0**	**0.0005**	**0.025**		0.15	0.0255	0.1755	**0.0015**	0.026	5	21.4	6.5	100
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	13294	07/20/99	5	0.27	35	162.8	30.2	6.25	84.75524376	5.03		**0**	**0.0005**	**0.01**		0.08	0.0105	0.0905	**0.0015**	0.03	8	20.8	5	100
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	13349	08/24/99	2	0	79.8	238.5	26.5	1.25	15.79862887	9.77	6.97	0.034	**0.001**	**0**		0.86	0.035	0.861	**0.0025**	0.064	11	17.7	16	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	13225	10/05/99	2	0	66	188.6	15	3.77	38.27981105	14.3	6.52	**0.01**	**0.0005**	0.116		0.58	0.1265	0.6965	**0.0025**	0.054	5.5	9.24	5	100
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	13504	11/09/99	2	0	95	3.95	16.5	5.91	61.34923564	8.04	7.94	**0.01**	**0.002**	0.051		0.78	0.063	0.833	**0.0001**	0.065	7.5	**0.5**	9.5	300
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	18185	12/14/99	7	1.89	20.4	161	8.1	10.26	88.67894586	65.7	6.79	**0**	0.005	0.96		**0.05**	0.965	1.015	**0.002**	0.103	11.5	27.2	17	700
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	18140	01/19/00	5	0.5	23.8	99.8	10.9			13.8	6.83	**0**	**0.0005**	**0**		0.21	0.0005	0.2105	**0.0025**	0.034	11	33.5	7	100
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	18048	02/21/00	5	0.27	22.3	76.7	10.4	9	81.65381851	5.1	7.32	**0**	**0.001**	**0**		0.27	0.001	0.271	**0**	0.015	13	41	4	100
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	17810	03/28/00	5	1.35	27	140.5	19.9	10.42	115.0574218	8.69	7.67	0.1	**0.001**	**0**		0.34	0.101	0.341	**0**	0.032	8	31	7	100
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	18700	05/09/00	7	40.89	16.1	94.1	20.9	7.03	79.25121767	38.1		0.022	0.006	0.154		0.28	0.182	0.44	0.017	0.104	5	24.6	20	1700
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	21437	06/13/00	7	8.67	22.9	115	25.4	7.14	88.59901749	44.3	6.67	0.06	0.006	0.07		0.71	0.136	0.786	0.023	0.148	5.5	6.84	24	800
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	19027	07/18/00	4	0.35	40.4	181.3	27.5	5.25	67.52274363	6.81	6.96	**0.025**			0.07	0.28	0.095	0.35	0.008	0.043	**2.5**	16.3	6	30
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	19164	08/22/00	2	0	41.6	175.1	26.7	3.28	41.45560216	3.89	6.79	**0.025**			**0.025**	0.44	0.05	0.465	0.009	0.014	**2.5**	8.9	1	40
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	21530	09/26/00	5	0.45	29	149.8	18.9	5.07	54.85725303	61.5	8.18	0.06			0.07	0.89	0.13	0.96	0.223	0.377	**2.5**	28	34	3000
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	21815	10/30/00	6	5.38	40	99	19.8	6.45	71.22076492	29	8.29	0.05			1.43	0.58	1.48	2.01	0.022	0.05	**2.5**	13.8	20	
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	22119	12/04/00	6	6.64	49	103	3.5	8.6	65.42701222	18.8	8.2	**0.025**			0.58	0.09	0.605	0.67	0.007	0.023	**2.5**	15.5	4	300
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	22283	01/16/01	7	10.92	51	95	4	7.84	61.23987872	29.9	8.41	**0.025**			0.62	0.1	0.645	0.72	0.008	0.037	**2.5**	19.8	1	
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	22577	02/20/01	7	33.84	25	87	9.6	7.1	62.85419525	21.5	8.11	**0.025**			0.41	0.1	0.435	0.51	0.008	0.026	**2.5**	15.9	1	180
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	22727	03/26/01	5	5.44	18	109.9	9.1	10.8	95.6091984	9.5	7.18	**0.025**			0.13	0.34	0.155	0.47	0.007	0.009	**2.5**	20.6	22	310
Gaines Creek	OK220600-04-0010F	Latimer	AV	16788	04/26/99	9		48	79.2	17.7	7.64	80.95132302	219	6.47	0.1	0.005	0.05		1.19	0.155	1.245		0.29	5	**1**	203	2000
Gaines Creek	OK220600-04-0010F	Latimer	AV	16785	05/24/99	9		14.3	66.3	21.6	7.12	81.79898086	86.3	6.36	0.077	**0.001**	0.21		0.75	0.288	0.961	0.005	0.157	4	8.5	73	900
Gaines Creek	OK220600-04-0010F	Latimer	AV	13380	06/21/99	6	17.5	19.8	119.9	25.4	4.1	50.87618651	38	6.15	0.062	**0.002**	0.28		0.39	0.344	0.672	0.006	0.061	3	25.9	16	100
Gaines Creek	OK220600-04-0010F	Latimer	AV	13291	07/19/99	5	5.22	29.2	128.6	29	2.63	35.06051494	17.5		**0**	**0.001**	0.19		0.36	0.191	0.551	0.011	0.062	7	16.1	12	100
Gaines Creek	OK220600-04-0010F	Latimer	AV	13486	08/23/99	4	0.03	83.6	213.9	29.8	3.35	44.65883081	9.07	6.93	**0.01**	**0.001**	0.152		0.47	0.163	0.623	**0**	0.027	5	3.11	1	200
Gaines Creek	OK220600-04-0010F	Latimer	AV	13498	10/04/99	5	0.24	39	179	16.8	4.9	50.8648485	15.9	6.56	0.071	**0.001**	0.22		0.34	0.292	0.561	**0.0025**	0.034	6.5	25.7	8	300
Gaines Creek	OK220600-04-0010F	Latimer	AV	13259	11/08/99	4	0.4	85	161.6	17.5	3.57	37.82673078	11.6	6.6	**0.01**	**0.0015**	0.158		0.31	0.1695	0.4695	**0.0015**	0.036	6.5	2.78	11.5	100
Gaines Creek	OK220600-04-0010F	Latimer	AV	18177	12/13/99	9	609.51	13.5	74.3	10	9.95	90.27283269	105	6.42	**0.02**	**0.0015**	0.6		0.36	0.6215	0.9615	0.007	0.357	4.5	1.6	423	2000
Gaines Creek	OK220600-04-0010F	Latimer	AV	18132	01/18/00	6	16.94	14.3	138.3	11.3			29.5	7.03	**0.01**	**0.002**	0.485		0.32	0.497	0.807	**0.0025**	0.045	7.5	27.9	16.5	100
Gaines Creek	OK220600-04-0010F	Latimer	AV	18043	02/20/00	6	11.37	15.9	147	10.4	9.54	86.55304762	16.5	6.75	**0.025**	**0.001**	0.143		0.34	0.169	0.484	**0.0001**	0.029	9	33.5	9	200
Gaines Creek	OK220600-04-0010F	Latimer	AV	17800	03/27/00	6	10.92	16.5	152	20	7.08	79.81488209	17.4	6.6	**0**	**0.001**	**0**		0.24	0.001	0.241	**0**	0.041	10	36.8	22	100
Gaines Creek	OK220600-04-0010F	Latimer	AV	18674	05/08/00	7		20	104.1	22.9	6.57	77.03831769	45.4	7.34	0.018	0.006	0.187		0.46	0.211	0.653	**0.0025**	0.099	4.5	23.4	35	100
Gaines Creek	OK220600-04-0010F	Latimer	AV	21415	06/12/00	6	5.06	24	224.2	25.8	4.02	49.88348044	12.5	6.31	0.186	0.005	0.178		0.56	0.369	0.743	**0.0001**	0.079	7	54.2	11.4	500
Gaines Creek	OK220600-04-0010F	Latimer	AV	19042	07/17/00	5	1.34	48	137.4	30	2.29	31.05432131	10.5	6.67	**0.025**			**0.025**	0.37	0.05	0.395	0.017	0.058	**2.5**	10.8	2	30
Gaines Creek	OK220600-04-0010F	Latimer	AV	19159	08/21/00	4	0.25	61	186.6	30	3.47	47.05611133	20.3	6.86	**0.025**			0.06	0.79	0.085	0.85	0.016	0.037	**2.5**	**2.5**	1	400
Gaines Creek	OK220600-04-0010F	Latimer	AV	21512	09/25/00	2	0	56	209	17.5	4.32	45.77352297	13	7.79	**0.025**			**0.025**	0.35	0.05	0.375	0.006	0.067	6.5	9.7	10	50
Gaines Creek	OK220600-04-0010F	Latimer	AV	21837	10/31/00	2	0	61	112	20.2	3.31	37.31458471	14.8	7.5	**0.025**			**0.025**	0.35	0.05	0.375	0.01	0.053	**2.5**	6.5		
Gaines Creek	OK220600-04-0010F	Latimer	AV	22271	12/06/00	6	2.72	31	60	5.6	13.8	110.6692094	17.2	7.56	**0.025**			0.61	0.18	0.635	0.79	0.006	0.022	**2.5**	6.9		
Gaines Creek	OK220600-04-0010F	Latimer	AV	22589	02/21/01	9		21	48	10.8	7.91	71.76463382	16.3	7.96	**0.025**			0.34	0.14	0.365	0.48	0.007	0.026	**2.5**	10.6		

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Gaines Creek	OK220600-04-0010F	Latimer	AV	23026	03/27/01	6	6.08	17	48.8	9.7	10.7	94.72392805	27.7	7.74	**0.025**			0.16	0.05	0.185	0.21	0.018	0.024	**2.5**	14.3		
Beaver Creek	OK220600-04-0030G	Latimer	AV	16789	04/26/99	9		35	53.1	17.2	8.1	85.82535556	300	5.5	0.14	0.005	0.09		1.46	0.235	1.555		0.39	4	**1**	405	2000
Beaver Creek	OK220600-04-0030G	Latimer	AV	16790	05/24/99	7	15.56	20.9	90.9	22	7.51	88.06054275	26.2	6.51	**0.01**	**0.002**	0.19		0.55	0.202	0.742	0.016	0.102	7	4.4	21.5	500
Beaver Creek	OK220600-04-0030G	Latimer	AV	13533	06/21/99	5	0.54	39.1	158.2	25.9	5.64	69.98577852	43.3	6.58	0.061	**0.0015**	0.193		0.39	0.2555	0.5845	0.005	0.06	5.5	25.5	19	500
Beaver Creek	OK220600-04-0030G	Latimer	AV	13290	07/19/99	5	0.13	41.2	160.7	27.7	3.91	50.28836716	14.8		**0.01**	**0.001**	0.2		0.48	0.211	0.681	0.009	0.048	8	18.6	7	100
Beaver Creek	OK220600-04-0030G	Latimer	AV	13345	08/23/99	2	0	151	382.1	25.7	2.33	28.91256453	18.1	7.23	**0.01**	**0.001**	0.32		0.63	0.331	0.951	**0**	0.035	16	18.9	3	100
Beaver Creek	OK220600-04-0030G	Latimer	AV	13221	10/04/99	2	0	149	543	14	3.33	33.08923788	14.5	7.15	0.08	**0.0015**	0.39		0.69	0.4715	1.0815	**0.0025**	0.045	22	71.4	7	100
Beaver Creek	OK220600-04-0030G	Latimer	AV	13409	11/08/99	2	0	200	683	15.1	1.3	13.19993485	8.4	7.05	**0.02**	**0.0015**	0.41		0.79	0.4315	1.2015	**0.0015**	0.055	29	92	13.5	100
Beaver Creek	OK220600-04-0030G	Latimer	AV	18178	12/13/99	7	26.89	8.3	54.2	9.9	9.6	84.98595414	43.7	5.81	**0**	**0.001**	0.2		**0.05**	0.201	0.251	0.005	0.092	4.5	1.4	41.5	200
Beaver Creek	OK220600-04-0030G	Latimer	AV	18133	01/18/00	6	0.98	15.5	97.8	11.6			26.8	6.71	**0.01**	**0.001**	0.091		0.22	0.102	0.312	**0.0025**	0.048	8	18.6	9.5	100
Beaver Creek	OK220600-04-0030G	Latimer	AV	18042	02/20/00	5	0.57	18.1	114.8	10.2	8.64	78.38766577	37.3	6.81	**0.025**	**0.001**	0.121		0.38	0.147	0.502	**0.0015**	0.065	9	21.1	30	200
Beaver Creek	OK220600-04-0030G	Latimer	AV	17905	03/27/00	6	0.6	23.8	114.2	21.4	7.47	85.81999817	48.8	6.83	**0**	**0.001**	**0**		0.51	0.001	0.511	**0**	0.083	6.5	15.6	48	400
Beaver Creek	OK220600-04-0030G	Latimer	AV	18673	05/08/00	7	11.7	21	76.6	22.7	7.41	86.88796562	37.1	7.05	**0**	0.006	0.114		0.45	0.12	0.57	0.005	0.066	4	13.4	15	200
Beaver Creek	OK220600-04-0030G	Latimer	AV	21414	06/12/00	5	0.22	46	169	27.4	5.44	69.96642388	40.2	7.03	0.18	0.015	0.34		0.89	0.535	1.245	0.013	0.13	5.5	16.2	33	100
Beaver Creek	OK220600-04-0030G	Latimer	AV	19041	07/17/00	4	0.05	68	143.5	27.8	1.54	19.80667146	24.9	6.85	0.05			**0.025**	0.6	0.075	0.625	0.023	0.136	**2.5**	19.1	10	180
Beaver Creek	OK220600-04-0030G	Latimer	AV	19158	08/21/00	2	0	174	364.7	25.2	0.52	6.452589509	61.7	7.18	1.25			0.06	2.72	1.31	2.78	0.21	0.47	6.5	8.1	24	110
Beaver Creek	OK220600-04-0030G	Latimer	AV	21511	09/25/00	2	0	51	1897	15	1.89	19.19067451	52.5	7.76	0.07			**0.025**	2.02	0.095	2.045	0.016	0.029	69.1	708	56	62000
Beaver Creek	OK220600-04-0030G	Latimer	AV	21838	10/31/00	2	0	95	501	19.3	1.11	12.25659675	57	7.16	0.3			**0.025**	2.19	0.325	2.215	0.028	0.072	7.7	102	50	3200
Beaver Creek	OK220600-04-0030G	Latimer	AV	22270	12/06/00	6	1.71	36	69	5.8	12.64	101.3665802	28.5	7.72	**0.025**			0.11	0.19	0.135	0.3	0.012	0.041	**2.5**	12.1	6	50
Beaver Creek	OK220600-04-0030G	Latimer	AV	22319	01/17/01	7	8.95	45	88	3.9	12.06	91.74997295	59.7	7.19	**0.025**			0.42	0.1	0.445	0.52	0.011	0.038	**2.5**	24	2	40
Beaver Creek	OK220600-04-0030G	Latimer	AV	22590	02/21/01	6	8.71	25	63	9.7	7.8	69.05108773	31	7.76	**0.025**			0.17	0.18	0.195	0.35	0.01	0.041	**2.5**	13.9	1	80
Beaver Creek	OK220600-04-0030G	Latimer	AV	23027	03/27/01	5	1.39	16	106.7	9.8	10.95	96.93710394	14.8	7.71	**0**			**0.025**	0.05	0.025	0.075	0.013	0.024	**2.5**	20.3	52	70
Willow Creek	OK520610-01-0080G	Cleveland	CGP	18367	04/20/99	5	3.3	236	542	26.2	8.83	113.3781899	4.79	8.35	**0.01**	0.042	1.74		0.65	1.792	2.432		0.075	16	29	7.5	40000
Willow Creek	OK520610-01-0080G	Cleveland	CGP	16854	05/18/99	7	3.29	230	553	26	7.29	93.60441722	27.9	7.89	**0.02**	0.039	2.64		0.56	2.699	3.239	0.09	0.17	17.8	**0.57**	27.5	1300
Willow Creek	OK520610-01-0080G	Cleveland	CGP	13519	06/15/99	5	2.37	275	578	24.8	8.47	104.7421445	6.24		**0.025**	0.024	2.94		0.25	2.989	3.214	0.101	0.124	17	26.4	2	400
Willow Creek	OK520610-01-0080G	Cleveland	CGP	13602	07/13/99	5	2.35	235	608	30.6	9.25	127.4347067	2.81	8.22	**0.025**	0.017	2.62		0.36	2.662	2.997	0.033	0.072	15	30.1	2	
Willow Creek	OK520610-01-0080G	Cleveland	CGP	13429	08/17/99	5	0.9	198	550	33.9	14.96	217.0380647	3.26	8.62	**0.01**	0.035	3.13		0.47	3.175	3.635	0.022	0.081	18	28.4	7.5	100
Willow Creek	OK520610-01-0080G	Cleveland	CGP	13575	09/28/99	5	2.02	240	556	17.9	9.9	106.5676081	1.94	8.03	**0**	0.025	3.73		0.15	3.755	3.905	0.037	0.076	20	33	7	1400
Willow Creek	OK520610-01-0080G	Cleveland	CGP	13406	11/02/99	5	1.31	275	587	15.2	9.32	96.13992496	2.91	8.02	**0.01**	0.029	2.49		0.48	2.529	2.999	0.082	0.141	22	33.5	5.5	100
Willow Creek	OK520610-01-0080G	Cleveland	CGP	18237	12/07/99	6	1.71	235	551	12	9.22	89.0094232	14.6	7.71	0.063	0.023	2.96		0.66	3.046	3.643	0.099	0.162	17	31.9	14.5	1300
Willow Creek	OK520610-01-0080G	Cleveland	CGP	18011	01/11/00	5	1.77	254	580	12.3			4.74	8.25	**0.01**	0.018	3.28		0.52	3.308	3.818	0.054	0.076	20	29.4	1	100
Willow Creek	OK520610-01-0080G	Cleveland	CGP	18037	02/15/00	5	2.23	232	547	15.8	13.19	136.0606878	2.72	8.19	0.039	0.033	2.56		0.37	2.632	2.963	0.012	0.047	20	29.4	9.5	300
Willow Creek	OK520610-01-0080G	Cleveland	CGP	17777	03/21/00	5	3.71	226	554	12.7	8.42	81.28626284	53.6	7.87	0.14	0.039	2.07		1.42	2.249	3.529	0.1	0.156	15	36.6	53	7000
Willow Creek	OK520610-01-0080G	Cleveland	CGP	18668	05/02/00	5	4.89	89	336	17.9	9.57	103.0153545	91.8		0.149	0.04	0.91		1.47	1.099	2.42	0.072	0.208	12	**0.5**	74	8000
Willow Creek	OK520610-01-0080G	Cleveland	CGP	21402	06/06/00	4	1.04	131	552	28.5	7.43	98.82233627	8.31	8.13	**0.022**	0.028	2.87		0.55	2.92	3.448	0.129	0.23	16	27.9	16	400

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Willow Creek	OK520610-01-0080G	Cleveland	CGP	18810	07/11/00	5		181		31.6	8.42	118.0351131	14.8	8.8	0.07			2.64	0.54	2.71	3.18	0.087	0.126	9.6	22.2	2	680
Willow Creek	OK520610-01-0080G	Cleveland	CGP	19299	08/15/00	4	0.5	211	573	30.8	10.48	144.3800786	4.79	8.38	**0.025**			3.74	0.43	3.765	4.17	0.097	0.126	9	23.9	4	460
Willow Creek	OK520610-01-0080G	Cleveland	CGP	21494	09/19/00	5	0.44	228	625	24.5	8.24	101.8979068	6.51	8.27	0.1			4.15	0.64	4.25	4.79	0.045	0.099	13.6	27.4	8	1100
Willow Creek	OK520610-01-0080G	Cleveland	CGP	21807	10/24/00	5	4.88	108	302.3	20.7	6.57	75.24461415	77.7	7.66	0.05			0.86	1.42	0.91	2.28	0.305	0.53	**2.5**	24.6	50	10
Willow Creek	OK520610-01-0080G	Cleveland	CGP	22023	11/28/00	5	4.27	212	412.3	13	10.05	99.23563635	10.2	8.12	**0.025**			2.18	0.62	2.205	2.8	0.023	0.108	10.6	20.9	10	500
Willow Creek	OK520610-01-0080G	Cleveland	CGP	22171	01/09/01	6	6.74	206	343	8	11.51	101.0666606	19.3	8.22	0.06			1.99	0.71	2.05	2.7	0.074	0.123	10.8	20.5	4	700
Willow Creek	OK520610-01-0080G	Cleveland	CGP	22501	02/13/01	5	5.75	257	609	10.5	10.63	97.97757484	11.3	8.27	**0.025**			**0.025**	0.44	0.05	0.465	0.051	0.104	13.8	24.9	2	1000
Willow Creek	OK520610-01-0080G	Cleveland	CGP	22672	03/20/01	6	5.89	267	674	17	11.17	120.2384023	4.54	8.33	**0.025**			**0.025**	0.43	0.05	0.455	0.023	0.045	16.8	31.3	28	1300
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	17237	04/27/99	5	11.07	166	570	16.4	10.43	110.1755396	28.3	8.71		0.052	1.79		0.68	1.842	2.522		0.32	11.5	52.4	18.5	7500
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	16866	05/25/99	7	20.67	162	315	22.4	9.91	118.248129	27.8	8		0.028	0.52		0.56	0.548	1.108	0.03	0.15	30	42.4	28	200
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	13619	06/22/99	5	5.46	109	295	23.1	9.03	109.761768	58.4	7.81	**0.015**	0.018	0.52		0.48	0.553	1.018	0.064	0.128	17	30	37	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	13478	07/20/99	5	2.45	207	940	28.7	7.07	94.19014992	10.3	8.03	**0**	0.005	0.142		0.58	0.147	0.727	0.043	0.108	96	126	10.5	200
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	13354	08/23/99	5	1.88	202	911	26.6	6.72	86.42867592	5.54	8.07	**0.01**	**0.0015**	0.123		0.45	0.1345	0.5745	0.02	0.022	94	135	5	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	13230	10/05/99	5	3.09	171	688	15.5	8.29	85.65686359	9.37	7.74	**0**	**0.0005**	0.186		0.34	0.1865	0.5265	**0**	0.043	60	55.2	6.5	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	13263	11/08/99	5	2.71	182	784	15.6	7.52	77.70079785	12.7	6.93	**0.01**	0.008	0.42		0.25	0.438	0.678	0.046	0.084	65	76.5	12	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	18211	12/13/99	5	3.28	147	826	5.7	10.09	82.34137022	29.6		**0.01**	0.015	1.22		0.59	1.245	1.825	0.1	0.267	66	52.2	22	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	18128	01/18/00	5	1.66	194	1065	8.2	10.93	96.13300667	16.8		**0**	0.01	0.27		0.72	0.28	1	0.008	0.057	102	93	16	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	18066	02/22/00	5	3.42	199	991	13.2	9.49	93.86151955	24.7		0.056	0.028	0.64		0.78	0.724	1.448	0.012	0.072	110	94	19	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	17785	03/27/00	5	3.32	259	977	17.5	8.08	87.12065977	22.7		0.92	0.087	0.68		1.95	1.687	2.717	0.178	0.254	88	103	23	500
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	18677	05/08/00	5	10.31	211	799	24.9	9.07	112.3479389	17.3		**0**	0.032	0.89		0.99	0.922	1.912	0.047	0.102	91	109	3	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	21429	06/12/00	5	5.24	132	339	25.3	6.49	81.9510634	32.8	8.03	0.106	0.05	0.8		0.6	0.956	1.45	0.084	0.164	25	36.1	30	1500
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	19000	07/18/00	6	3.55	151	677	27	7.72	101.0385907	12.7	8.34	0.07			0.51	0.72	0.58	1.23	0.056	0.148	67.3	94.8	10	
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	19321	08/22/00	5	2.02	140	1115	26.8	7.21	92.73076687	6.67	8.62	**0.025**			**0.025**	0.37	0.05	0.395	0.046	0.068	143	105	8	60
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	21537	09/26/00	5	2.35	81	416	18.2	8.73	96.12127955	25.3	7.86	**0.025**			0.1	0.47	0.125	0.57	0.03	0.072	28.5	40.2		8000
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	21851	10/31/00	5	4.66	154	584	20	7.17	82.25247538	22	7.85	0.07			0.54	0.42	0.61	0.96	0.135	0.153	39.1	53.2	14	100
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	22026	12/04/00	6	3.2	295	1059	6.2	12.29	102.8768984	16.8	8.12	**0.025**			1.09	1.04	1.115	2.13	0.182	0.25	93.2	101	16	200
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	22178	01/17/01	7	18.86	314	1100	3.2	15.07	116.6678224	25	8.31	**0.025**			1.97	1.3	1.995	3.27	0.101	0.195	131	149	20	9000
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	22523	02/21/01	5	4.95	340	870	7.1	10.86	93.2318525	11.3	8.1	**0.025**			2.04	0.38	2.065	2.42	0.044	0.113	123	157	14	20
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	22734	03/27/01	5	4.37	293	1284	9.5	13.03	117.3814688	6.71	8.55	**0.025**			0.67	0.74	0.695	1.41	0.013	0.037	135	157	28	10
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	17205	04/19/99	5	34.6	61	125.6	15.3	9.15	92.82126791	3.21	7.85		**0.0005**	**0**		0.04	0.0005	0.0405		0.017	4	17.1	1	600
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	16619	05/17/99	9		100	89.8	19.4	8.32	91.78426037	106	7.54		0.005	0.161		0.64	0.166	0.806	0.03	0.24	3	**1**	130	10000
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	13200	06/14/99	5	18.25	73	150.4	24.8	7.43	90.35774847	6.17	7.76	**0**	0.007	**0.025**		**0.025**	0.032	0.057	0.009	0.028	3.8	4.9	3	100
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	13608	07/13/99	5		50	175	23.6	7.89	94.15840898	5.4	7.6	**0**	**0.0025**	**0.025**		**0.025**	0.0275	0.0525	0.01	0.03	3.5	17.8	5	
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	13333	08/16/99	4	0.03	75	186.6	24.7	7.1	86.34455103	1.6	8.08	**0.01**	**0.002**	0.083		0.24	0.095	0.325	0.013	0.042	3	15.4	1	100
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	13559	09/27/99	2	0	76	242.5	21.7	6.62	75.98429805	6.06	7.95	**0**	**0.0025**	**0.01**		0.51	0.0125	0.5225	**0.0025**	0.046	4	15.2	10.5	700

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	13249	11/01/99	2	0	128	180	16.9	4.89	50.71407418	5.3	8.15	**0**	**0.0005**	0.067		0.51	0.0675	0.5775	0.014	0.058	3.5	15.4	8.5	100
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	18256	01/11/00	5	18.52	55	177	6.8	11.45	94.10013164	3.41	8.05	**0.01**	**0.0025**	0.41		0.16	0.4225	0.5725	0.006	0.016	3.5	22.1	1	100
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	17294	03/20/00	5	30.32	38	160	12.2	12.3	116.7746873	2.9	8.29	**0**	**0.001**	**0**		0.23	0.001	0.231	**0.0001**	0.016	4	17	2.5	100
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	18641	05/01/00	6	286.87	53	140	17.9	8.8	93.1560857	23.1	7.41	**0**	0.006	**0**		0.53	0.006	0.536	**0.0025**	0.064	3	3.77	19	2000
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	21363	06/05/00	5	8.23	58	212	26.1	7.87	99.37613084	5.77	7.89	**0**	**0.0025**	**0.01**		0.18	0.0125	0.1925	0.01	0.064	5	23.6	2	100
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	19058	07/10/00	5	20.03	69	212	31.3	8.03	110.7014247	5.96	7.81	**0.025**			**0.025**	0.18	0.05	0.205	**0.0025**	0.022	**2.5**	23.6	1	20
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	19152	08/15/00	4	0.18	65	175	33.4	9.2	131.2594796	3.46		**0.025**			**0.025**	0.23	0.05	0.255	0.017	0.03	**2.5**	13.1	2	10
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	21487	09/18/00	2	0	65	156	26.7	12.61	159.2290991	3.98	8.62	0.06			**0.025**	0.52	0.085	0.545	**0.0025**	0.02	**2.5**	11.7	1	20
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	21801	10/24/00	2	0	76	116	22.4	8.71	102.0369675	17.9	8.08	0.025			**0.025**	0.34	0.05	0.365	0.008	0.039	**2.5**	8.6	10	80
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	22017	11/28/00	5	67.6	47	166	8.6	11.9	102.7585789	4.59		**0.025**			1.29	0.2	1.315	1.49	0.006	0.023	**2.5**	10.9	4	20
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	22297	01/08/01	5	56.25	66	172	3.7	13.87	105.4224404	4.61	8.03	**0**			0.99	**0.025**	0.99	1.015	0.006	0.023	**2.5**	12.9	6	10
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	22574	02/13/01	6	71.57	46	160	8.5	11.72	101.2042475	4	7.74	**0**			0.5	0.05	0.5	0.55	0.011	0.011	**2.5**	13	2	20
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	22686	03/20/01	5	41.01	53	106.8	10.8	12.64	114.5721415	3.69		0.025			0.2	0.29	0.225	0.49	0.007	0.013	**2.5**	15	4	10
Rabb Creek	OK121400-01-0090D	Rogers	CIP	17221	04/20/99	5	1.97	90	465	21.3	6.97	80.07568772	10	7.94		**0.0025**	**0.025**		0.17	0.0275	0.1975		0.04	28	73	9.5	230
Rabb Creek	OK121400-01-0090D	Rogers	CIP	16645	05/18/99	9	73.38	32	143.4	20	7.86	88.60804707	67.5	7.12		0.006	0.121		0.69	0.127	0.817	0.02	0.15	7	**1**	64	5000
Rabb Creek	OK121400-01-0090D	Rogers	CIP	13455	06/15/99	5	1.5		427	22.1	7.03	82.43217251	58.6	7.21	**0.02**	0.009	0.185		0.35	0.214	0.544	**0.0015**	0.063	20.5	68.1	26	200
Rabb Creek	OK121400-01-0090D	Rogers	CIP	13446	07/13/99	4	1	112	266	26.2	6.86	86.70287526	16	7.33	**0.025**	**0.0015**	0.17		0.31	0.1965	0.4815	**0.002**	0.06	18	71.6	11.5	200
Rabb Creek	OK121400-01-0090D	Rogers	CIP	13332	08/17/99	2	0	136	665	32.7	7.37	103.51279	20.6	7.12	**0.01**	**0.001**	**0.02**		0.63	0.031	0.651	**0.0025**	0.077	73	39.4	20	100
Rabb Creek	OK121400-01-0090D	Rogers	CIP	13280	09/28/99	6	3.25	78	149.4	17.5	6.94	73.53431699	239	7.64	**0.022**	0.008	0.41		1.2	0.44	1.618	0.016	0.232	5	46.2	151	100
Rabb Creek	OK121400-01-0090D	Rogers	CIP	13591	11/02/99	2	0	191	582	14.4	1.18	11.72531553	11.3	5.91	**0**	**0.001**	1.4		0.66	1.401	2.061	0.088	0.155	110	14.2	31.5	3500
Rabb Creek	OK121400-01-0090D	Rogers	CIP	18214	12/07/99	5	2.51	61	177.3	7	10.58	89.25672622	75.8		**0.024**	**0.002**	0.32		0.59	0.346	0.912	0.028	0.187	8	9.2	47.5	4500
Rabb Creek	OK121400-01-0090D	Rogers	CIP	18111	01/11/00	5	0.16	91	406	7.4	11.63	98.11490794	13.6		**0**	**0.0025**	0.056		0.35	0.0585	0.4085	**0.0001**	0.042	25	48	16	100
Rabb Creek	OK121400-01-0090D	Rogers	CIP	18082	02/15/00	5	0.45	116	316	10.8	10.94	99.25475272	18.2		0.029	**0.0005**	**0**		0.24	0.0295	0.2405	**0.0025**	0.034	30	61	8	200
Rabb Creek	OK121400-01-0090D	Rogers	CIP	17771	03/21/00	7	5.42	72	214	13.3	9.54	92.72365463	48.4		**0.02**	0.005	0.133		1.03	0.158	1.168	0.011	0.123	8	55.6	30	100
Rabb Creek	OK121400-01-0090D	Rogers	CIP	18656	05/02/00	6	19.02	60	204.1	19.5	7.83	86.45869602	69.5	7.28	0.032	0.027	0.24		1.02	0.299	1.287	0.034	0.152	6	36.2	34	6000
Rabb Creek	OK121400-01-0090D	Rogers	CIP	21394	06/06/00	5	0.96	95	318.9	23.3	8.52	101.7709283	29.8	7.86	**0**	0.007	0.109		0.41	0.116	0.526	0.006	0.106	19	21.7	37	100
Rabb Creek	OK121400-01-0090D	Rogers	CIP	18819	07/11/00	5	0.76	118	396.7	27.4	4.87	62.63538314	13.8	7.44	**0.025**			**0.025**	0.36	0.05	0.385	0.03	0.091	14.8	40	2	40
Rabb Creek	OK121400-01-0090D	Rogers	CIP	19141	08/15/00	2	0	99	371.2	33.9	8.78	125.3832144	31.1		**0.025**			0.25	0.43	0.275	0.68	0.049	0.09	14.2	21.2	14	90
Rabb Creek	OK121400-01-0090D	Rogers	CIP	21500	09/19/00	2	0	127	361.7	21	6.68	76.74398766	30.7		0.13			**0.025**	0.32	0.155	0.345	0.02	0.088	18	17.7		50
Rabb Creek	OK121400-01-0090D	Rogers	CIP	21813	10/24/00	2	0	87	158.6	20.5	1.42	16.00806957	180	6.92	**0.025**			**0.025**	1.84	0.05	1.865	0.07	0.104	7.5	73.1	152	9999
Rabb Creek	OK121400-01-0090D	Rogers	CIP	22012	11/28/00	4	0.37	87	146.5	8	7.61	65.77453976	37.5	7.2	**0.025**			**0.025**	0.47	0.05	0.495	0.026	0.095	7.9	37.2	20	80
Rabb Creek	OK121400-01-0090D	Rogers	CIP	22167	01/09/01	7	37.71	38	92.8	0.3	14.14	99.02719086	39.6	7.17	0.17			1.58	0.3	1.75	1.88	0.095	0.181	**2.5**	32.8	30	1000
Rabb Creek	OK121400-01-0090D	Rogers	CIP	22496	02/13/01	7	57.77	52	216.1	6.8	10.84	89.16944413	79.1	7.15	0.09			**0.025**	0.64	0.115	0.665	0.084	0.156	5.8	40.6	82	1400
Rabb Creek	OK121400-01-0090D	Rogers	CIP	22720	03/20/01	5	6.83	85	274.1	12.8	11.48	109.0906483	21.2	8.05	**0.025**			0.05	0.73	0.075	0.78	0.021	0.069	7.7	44.4	28	190
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	17219	04/20/99	5	2.13	87	398	24.7	13.62	166.0535236	2.35	8.58		**0.0025**	**0.025**		0.2	0.0275	0.2275		0.01	20	31.7	2	4100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	16648	05/18/99	9	22.2	100	297.1	23.2	9.25	110.6670267	13.1	8.12		**0.0015**	**0.024**		0.27	0.0255	0.2955	**0.002**	0.04	12	**1**	10	1800
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	13195	06/15/99	5	1.8	136	456	20.7	9.06	102.298952	3.41	7.95	**0**	0.007	**0.047**		0.12	0.054	0.174	**0**	0.016	14.5	27.3	1	100
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	13607	07/13/99	5	1.71	149	471	28.8	8.44	110.6730011	2.01	7.76	**0**	**0.0005**	0.053		**0.025**	0.0535	0.0785	**0.0015**	0.015	15	37.1	3	
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	13331	08/17/99	4	0.01	114	494	28	12.23	160.3709483	18.5	7.45	**0**	**0.001**	**0.01**		0.2	0.011	0.211	**0.0001**	0.027	19	72	2	100
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	13510	09/28/99	5	0.82	99	570	16.9	9.05	94.09414985	2	8.72	**0**	**0.0005**	**0.01**		**0.05**	0.0105	0.0605	**0.0025**	0.017	19	141	1	300
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	13245	11/02/99	4	0.18	176	657	14.3	8.3	82.60626603	1.47	7.29	**0**	**0.0025**	**0.02**		**0.03**	0.0225	0.0525	0.013	0.021	23	174	2.5	100
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	18216	12/07/99	6	3.29	105	367	7.3	11.3	95.48300922	8.38		**0.015**	0.007	1.15		0.34	1.172	1.497	0.01	0.044	17	32.6	4.5	400
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	18113	01/11/00	5	0.52	140	488	4.9	11.69	91.45872414	12.1		**0**	**0.0025**	**0.01**		**0.05**	0.0125	0.0625	**0.0001**	0.011	22	42	2	100
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	18080	02/15/00	4	0.37	144	536	10.3	12.98	117.9508433	1.12		0.03	**0.0025**	**0**		**0.05**	0.0325	0.0525	**0.0025**	0.011	29	47.3	2.5	100
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	17773	03/21/00	6	17.07	146	349	11.6	12.97	120.6432231	8.03		**0.015**	**0.001**	**0**		0.31	0.016	0.311	**0.0025**	0.022	15	31.2	4	200
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	18655	05/02/00	6	20.24	123	298.5	19.4	11.05	122.2085427	14.1	8.08	**0**	**0.002**	**0**		0.89	0.002	0.892	**0.0025**	0.047	12	4.65	7	1500
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	21392	06/06/00	5	1.99	149	405.1	21.9	9.55	109.891383	1.28	8	**0**	**0.0025**	0.053		0.12	0.0555	0.1755	0.005	0.067	15	28.4	3	100
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	18821	07/11/00	5	1.41	231	356.4	26.6	5.01	63.42193355	2.22	7.77	**0.025**			0.06	0.09	0.085	0.15	**0.0025**	0.015	8.5	27.6	1	100
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	19140	08/15/00	4	0.03	111	401.1	33.8	7.26	103.8421981	3.01		**0.025**			0.05	0.32	0.075	0.37	**0.0025**	0.022	13.5	63.8	1	30
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	21499	09/19/00	2	0	98	266.4	20.6	9.12	102.9764285	1.7		0.11			**0.025**	0.45	0.135	0.475	**0.0025**	0.022	35.3	89		180
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	21812	10/24/00	4	0.12	136	525	21.4	5.53	63.63343956	1.11	7.66	**0.025**			**0.025**	0.28	0.05	0.305	0.006	0.027	25	35.6	6	10
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	22011	11/28/00	4	0.26	160	422	9.9	14.98	132.8250852	1.47	8.1	**0**			0.31	**0.025**	0.31	0.335	**0.0025**	0.017	16.8	87.1	1	20
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	22166	01/09/01	6	2.99	176	361.2	0.7	14.45	101.3596881	2.14	7.32	**0.025**			0.88	0.29	0.905	1.17	**0.0025**	0.013	20.1	87.8	6	20
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	22497	02/13/01	7	36.73	115	372	6.5	11.71	96.47972134	29	8.13	**0.025**			**0.025**	0.29	0.05	0.315	0.029	0.056	18.1	24.7	8	400
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	22719	03/20/01	5	15.14	132	350	14.2	11.43	113.7577856	3.68	8.2	**0.025**			0.85	0.29	0.875	1.14	0.005	0.006	**2.5**	25.2	10	20
Lightning Creek	OK121510-01-0130M	Nowata	CIP	17215	04/20/99	5	13.16	196	2004	19.6	10.72	118.6160918	4.49	8		**0.0005**	**0**		0.15	0.0005	0.1505		0.032	8	1635	9.5	10500
Lightning Creek	OK121510-01-0130M	Nowata	CIP	16660	05/18/99	9		102	1510	16.9	8.29	86.23391674	23.9	8.11		0.005	0.398		0.34	0.403	0.743	0.02	0.12	6	**1**	31	3200
Lightning Creek	OK121510-01-0130M	Nowata	CIP	13205	06/15/99	5		208	2750	21.8	8.64	99.46803717	5.75	7.98	0.011	**0.0015**	0.22		0.05	0.2325	0.2715	0.011	0.035	6.5	1798	16	100
Lightning Creek	OK121510-01-0130M	Nowata	CIP	13613	07/14/99	5	32.09	254	3149	23.8	11.58	138.6100138	2.91	8.06	**0.025**	**0.001**	0.21		0.09	0.236	0.301	0.011	0.024	5.8	1980	8.5	
Lightning Creek	OK121510-01-0130M	Nowata	CIP	13340	08/17/99	5	3.24	224	3498	27.3	7.74	99.75476369	4.44	7.98	**0**	**0.002**	0.1		0.21	0.102	0.312	0.012	0.033	7	2660	10	100
Lightning Creek	OK121510-01-0130M	Nowata	CIP	13285	09/28/99	5	4.61	233	2968	18	6.87	74.48773021	8.71	7.96	**0**	**0.001**	0.07		0.17	0.071	0.241	0.013	0.057	6.5	2499	14.5	100
Lightning Creek	OK121510-01-0130M	Nowata	CIP	13254	11/02/99	5	1.03		2521	12.9	6.44	61.32441418	2.32	7.81	**0.01**	**0.0025**	**0.01**		0.27	0.0225	0.2825	0.064	0.093	9	2395	8	100
Lightning Creek	OK121510-01-0130M	Nowata	CIP	18196	12/06/99	6	48.67	120	1502	7.7	10.82	91.47121611	10.8	7.97	0.055	0.008	0.59		0.34	0.653	0.938	0.033	0.084	6	1290	17.5	1300
Lightning Creek	OK121510-01-0130M	Nowata	CIP	18097	01/10/00	5	10.02	180	2961	7.3	11.54	97.55802531	4.24	8.2	**0.01**	**0.0025**	0.091		0.3	0.1035	0.3935	0.007	0.016	7.8	1936	10	100
Lightning Creek	OK121510-01-0130M	Nowata	CIP	18017	02/14/00	5	3.82	395	1935	7.3	12.92	109.2244096	3.04	8.2	0.03	**0.0005**	**0.01**		0.17	0.0405	0.1805	**0**	0.023	10	2040	8.5	100
Lightning Creek	OK121510-01-0130M	Nowata	CIP	17770	03/21/00	5	25.54		2290	11.5	10.7	99.57636554		8.06	0.053	**0.001**	**0.02**		0.34	0.074	0.361	**0.0001**	0.033	6.2	1440	7	100
Lightning Creek	OK121510-01-0130M	Nowata	CIP	21442	06/13/00	5	10.28	194	3130	24.1	6.49	79.16354297	5.62	7.69	0.081	**0.0015**	0.081		0.64	0.1635	0.7225	0.014	0.072	6	1920	6	400
Lightning Creek	OK121510-01-0130M	Nowata	CIP	19050	07/18/00	5	16.98	226	3220	24.6	6.41	78.18772118	7.63	7.77	**0**			0.2	**0.025**	0.2	0.225	0.014	0.042	**2.5**	1837	8	2000
Lightning Creek	OK121510-01-0130M	Nowata	CIP	19315	08/22/00	4	1.64	185	3350	25.6	8.36	103.953443	6.82		**0.025**			0.06	0.22	0.085	0.28	0.014	0.041	**2.5**	1740	30	810
Lightning Creek	OK121510-01-0130M	Nowata	CIP	21524	09/25/00	4	1.5	193	3195	18.2	6.52	70.69286768	5.92	7.93	**0.025**			**0.025**	0.32	0.05	0.345	0.018	0.055	**2.5**	2209	18	140

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Lightning Creek	OK121510-01-0130M	Nowata	CIP	21845	10/31/00	5	1.51	209	3.37	20.6	5.71	64.50429505	3.04	7.57	**0.025**			**0.025**	0.32	0.05	0.345	0.067	0.087	**2.5**	1596	10	10
Lightning Creek	OK121510-01-0130M	Nowata	CIP	22040	12/04/00	5	1.51	162	3310	3.8	12.06	91.94070958	2.21		**0.025**			**0.025**	0.22	0.05	0.245	0.007	0.033	**2.5**	1391	1	20
Lightning Creek	OK121510-01-0130M	Nowata	CIP	22313	01/17/01	5	13.61	147	2390	1.6	12.64	91.26925186	7.6	8.11	**0.025**			0.45	0.2	0.475	0.65	0.012	0.034	5.1	1239	8	40
Lightning Creek	OK121510-01-0130M	Nowata	CIP	22533	02/21/01	6	36.68	147	2810	7.6	13.6	114.9730628	3.71	8.03	**0.025**			0.3	0.25	0.325	0.55	0.011	0.037	**2.5**	1649	48	200
Lightning Creek	OK121510-01-0130M	Nowata	CIP	22766	03/27/01	5	17.36	174	2062	8.3	10.75	93.10725689	2.81	8.06	**0.025**			0.1	0.18	0.125	0.28	**0.0025**	0.012	**2.5**	1692	1	100
California Creek	OK121510-02-0050C	Nowata	CIP	17220	04/20/99	5	1.39	127	356	20.2	8.8	99.51461192	11.1	8.31		**0.001**	**0.025**		0.36	0.026	0.386		0.03	27	45.5	7.5	2800
California Creek	OK121510-02-0050C	Nowata	CIP	16663	05/18/99	9	46.03	66	280	19.8	8.37	92.70986314	46.6	8.01		0.008	0.26		0.78	0.268	1.048	0.01	0.13	23	**1**	41	2500
California Creek	OK121510-02-0050C	Nowata	CIP	13536	06/15/99	5	6.75	124	406	22.3	7.09	83.39523156	21.5	7.64	**0.023**	0.009	0.154		0.26	0.186	0.423	**0.0001**	0.074	30.5	32.2	14	500
California Creek	OK121510-02-0050C	Nowata	CIP	13378	07/13/99	5	11	132	461	26.1	6.91	87.60744091	15.6	7.35	**0.025**	**0.0005**	0.071		0.19	0.0965	0.2615	**0.0015**	0.048	45	36.1	11.5	100
California Creek	OK121510-02-0050C	Nowata	CIP	13431	08/17/99	2	0	15.9	668	27.2	5.41	69.79777928	7.06	7.91	**0.02**	0.005	0.12		0.49	0.145	0.615	0.006	0.048	80	33.4	10	100
California Creek	OK121510-02-0050C	Nowata	CIP	13418	09/28/99	5	0.09		502	17.3	5.49	58.35210128	28.7	8.19	**0.01**	**0.001**	0.113		0.51	0.124	0.624	**0.0025**	0.081	60	33.8	38	100
California Creek	OK121510-02-0050C	Nowata	CIP	13246	11/02/99	2	0	129	618	14.7	6.25	62.29828787	7.58	6.06	**0.01**	**0.0025**	0.09		0.23	0.1025	0.3225	**0.002**	0.02	73	30.9	14.5	100
California Creek	OK121510-02-0050C	Nowata	CIP	18215	12/07/99	5	3.9	79	239	7.1	8.95	75.74114813	220		**0.03**	0.01	0.4		0.91	0.44	1.32	0.087	0.384	25	13.4	152	6600
California Creek	OK121510-02-0050C	Nowata	CIP	18112	01/11/00	5	0.09	72	478	6.4	9.89	81.60873229	21.2		**0**	**0.0025**	0.065		0.29	0.0675	0.3575	**0.0015**	0.053	54	48.5	15	100
California Creek	OK121510-02-0050C	Nowata	CIP	18081	02/15/00	4	0.07	129	641	10.9	10.5	95.56015635	14.5		0.035	**0.0005**	**0.02**		0.37	0.0555	0.3905	**0.0025**	0.042	93	58.1	15.5	100
California Creek	OK121510-02-0050C	Nowata	CIP	17772	03/21/00	7	9.01	94	227	11.4	10.78	100.4252475	47.6		**0.02**	0.006	0.115		0.76	0.141	0.881	0.007	0.101	15	58	38	800
California Creek	OK121510-02-0050C	Nowata	CIP	21444	06/13/00	5	2.39	130	473	25.8	6.81	84.76788918	13.6	7.65	0.067	**0.0015**	**0.01**		0.61	0.0785	0.6215	0.005	0.085	37	34.9	26	100
California Creek	OK121510-02-0050C	Nowata	CIP	19052	07/18/00	4		164	478	27	5.66	73.02318497	12.2	7.74	**0.025**			0.06	0.36	0.085	0.42	0.008	0.06	38.6	29.1	14	70
California Creek	OK121510-02-0050C	Nowata	CIP	19317	08/22/00	2	0	147	565	25.1	4.85	60.37066997	16.9		0.06			0.12	0.48	0.18	0.6	0.012	0.056	60.7	15.4	24	30
California Creek	OK121510-02-0050C	Nowata	CIP	21522	09/25/00	2	0	141	396.7	12.9	7.19	68.53747298	8.07	7.87	**0.025**			**0.025**	0.6	0.05	0.625	0.014	0.073	30.7	36.4	8	
California Creek	OK121510-02-0050C	Nowata	CIP	21847	10/31/00	5	0.67	91	486	20.7	3.7	41.84137092	15.8	7.3	**0.025**			**0.025**	0.64	0.05	0.665	0.033	0.17	51.4	27.7	20	400
California Creek	OK121510-02-0050C	Nowata	CIP	22041	12/04/00	4	0.175	102	423	4.2	10.63	83.29234448	12.9	7.54	**0.025**			**0.025**	0.47	0.05	0.495	0.009	0.059	22.6	97.4	1	40
California Creek	OK121510-02-0050C	Nowata	CIP	22314	01/17/01	6	5.75	43	363	0.8	11.3	79.38474541	25.4	7.88	0.14			1.66	0.98	1.8	2.64	0.047	0.105	16.9	69.5	24	10
California Creek	OK121510-02-0050C	Nowata	CIP	22535	02/21/01	6	7.89	77	367	4.4	15.53	121.686746	26.2	7.93	**0.025**			0.99	0.62	1.015	1.61	0.029	0.077	17.3	51.7	16	60
California Creek	OK121510-02-0050C	Nowata	CIP	22754	03/26/01	5		90	501	10.9	13.5	122.8630582	14.2	7.75	**0.025**			0.26	0.34	0.285	0.6	0.017	0.037	24.1	42.3	52	10
Snow Creek	OK121510-02-0250F	Nowata	CIP	17213	04/20/99	5	11.78	180	302.3	20.08	13.75	155.6072327	6.72	8.81		**0.001**	**0.025**		0.37	0.026	0.396		0.038	7	8.62	6	1700
Snow Creek	OK121510-02-0250F	Nowata	CIP	16666	05/18/99	7	53.47	166	310.3	21.2	8.73	100.6835698	26.9	7.94		0.006	0.224		0.56	0.23	0.79	0.01	0.08	6	**1**	24	1300
Snow Creek	OK121510-02-0250F	Nowata	CIP	13203	06/15/99	5		164	387.2	25.6	8.6	107.128644	7.31	8.22	0.022	**0.001**	**0.025**		0.35	0.048	0.376	**0.0025**	0.052	6.5	7.4	12	100
Snow Creek	OK121510-02-0250F	Nowata	CIP	13611	07/13/99	5	5.1	197	412.8	30.7	8.7	118.4356029	5.22	8.14	**0.025**	**0.0005**	**0.025**		0.08	0.0505	0.1055	0.01	0.037	6	19	7	
Snow Creek	OK121510-02-0250F	Nowata	CIP	13338	08/17/99	2	0	186	400.5	26.3	6.55	83.10499862	8.25	7.87	**0**	**0.001**	**0.0235**		0.57	0.0245	0.5945	**0.0015**	0.038	7	18.8	15	100
Snow Creek	OK121510-02-0250F	Nowata	CIP	13473	09/28/99	2	0	161	271.8	17.4	5.66	60.20374202	12.5	8.05	**0**	**0.0005**	0.091		0.49	0.0915	0.5815	**0.0025**	0.085	5.5	8.3	35	100
Snow Creek	OK121510-02-0250F	Nowata	CIP	13408	11/02/99	2	0		259.4	12.4	5.83	55.61483482	15	7.89	**0.01**	**0.0025**	**0.0225**		0.64	0.035	0.665	0.012	0.047	7	16.2	25.5	100
Snow Creek	OK121510-02-0250F	Nowata	CIP	18198	12/06/99	7	30.68	59	130.7	7.4	10.96	92.82015784	57.6	8.22	0.06	0.008	0.98		0.62	1.048	1.608	0.081	0.191	5	7.2	45.5	7000
Snow Creek	OK121510-02-0250F	Nowata	CIP	18095	01/10/00	5	4.99		386.6	6.2	13.45	111.0671234	3.68	8.42	**0.01**	**0.0025**	**0.01**		0.41	0.0225	0.4225	**0.002**	0.022	8	32.2	1	100
Snow Creek	OK121510-02-0250F	Nowata	CIP	18015	02/14/00	5	0.92	178.9	262.6	6.2	12.25	101.157789	2.69	8.35	0.043	**0.0005**	**0**		0.13	0.0435	0.1305	**0.002**	0.024	10	33	1	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Snow Creek	OK121510-02-0250F	Nowata	CIP	17768	03/21/00	5	46.56	121	320.3	10.7	11.32	103.099576	15.5	8.27	**0.01**	0.005	0.174		0.52	0.189	0.699	0.015	0.066	4.6	8.64	12	100
Snow Creek	OK121510-02-0250F	Nowata	CIP	18693	05/09/00	9	6540.79	55	106	17.6	7.64	81.26441503	368	7.37	0.04	0.01	0.139		1.41	0.189	1.559	0.09	0.642	2	4.5	310	7000
Snow Creek	OK121510-02-0250F	Nowata	CIP	21443	06/13/00	5	0.79	164	325	26.4	8.07	102.3904334	5.6	7.88	0.065	**0.001**	**0**		0.51	0.066	0.511	0.005	0.067	5.2	16.1	6.5	100
Snow Creek	OK121510-02-0250F	Nowata	CIP	19053	07/18/00	4	0.3	205	413	28.2	9.45	124.1981546	4.53	7.86	**0.025**			0.07	0.23	0.095	0.3	**0.0025**	0.099	**2.5**	17.8	12	110
Snow Creek	OK121510-02-0250F	Nowata	CIP	19318	08/22/00	2	0	137	300	28.6	8.83	116.0497042	10.4		**0.025**			**0.025**	0.44	0.05	0.465	0.01	0.061	**2.5**	6.5	12	10
Snow Creek	OK121510-02-0250F	Nowata	CIP	21521	09/25/00	2	0	140	160.8	16	6.26	65.23376894	14.8	7.7	**0.025**			**0.025**	0.6	0.05	0.625	0.022	0.092	5.5	8.9	24	
Snow Creek	OK121510-02-0250F	Nowata	CIP	21848	10/31/00	5		116	352	21.5	7.9	91.11113418	5.11	7.84	0.05			0.4	0.49	0.45	0.89	0.034	0.046	**2.5**	15.2	16	220
Snow Creek	OK121510-02-0250F	Nowata	CIP	22042	12/04/00	5	1.3	161	382	4.1	12.78	100.2133489	2.14	8.24	**0.025**			**0.025**	0.34	0.05	0.365	**0.0025**	0.026	**2.5**	26.2	1	10
Snow Creek	OK121510-02-0250F	Nowata	CIP	22315	01/17/01	5	14.57	132	368	2.3	12.37	91.9412469	7.3	8.34	**0.025**			1.01	0.34	1.035	1.35	0.01	0.036	**2.5**	21.2	4	110
Snow Creek	OK121510-02-0250F	Nowata	CIP	22536	02/21/01	6	15.87	151	423	4.8	13.12	102.8794317	8.38	8.23	**0.025**			1.03	0.37	1.055	1.4	0.022	0.044	**2.5**	20.9	4	40
Snow Creek	OK121510-02-0250F	Nowata	CIP	22753	03/26/01	5		53	486	10.8	10.75	97.90816622	4.71	7.82	**0.025**			0.12	0.29	0.145	0.41	0.009	0.022	**2.5**	22.1	1	30
Big Creek	OK121510-03-0010G	Nowata	CIP	17214	04/20/99	5	34.31	188	328.3	19.2	9.79	108.4626019	8.46	8.24		**0.0005**	**0.025**		0.3	0.0255	0.3255		0.038	5	15.8	10.5	13200
Big Creek	OK121510-03-0010G	Nowata	CIP	16669	05/18/99	9		88	255	18.1	8.15	88.47775889	59.5	8.1		0.007	0.15		0.7	0.157	0.857	0.01	0.15	5	749	47	8000
Big Creek	OK121510-03-0010G	Nowata	CIP	13204	06/15/99	5	13.25	212	402.5	25.4	8.45	105.2053464	12.9	8.11	**0**	**0.0005**	**0.028**		0.36	0.0285	0.3885	**0.0025**	0.067	7	11.9	23	100
Big Creek	OK121510-03-0010G	Nowata	CIP	13612	07/14/99	5	15.19	187	436.5	27	7.87	101.5584156	11.1	8.03	**0**	**0.0025**	**0.025**		**0.025**	0.0275	0.0525	0.006	0.038	4.5	19.3	12	
Big Creek	OK121510-03-0010G	Nowata	CIP	13339	08/17/99	4	0.03	154	233.6	33.5	10.48	150.1608001	3.44	8.26	**0.01**	**0.0015**	**0.02**		0.39	0.0315	0.4115	0.006	0.032	9	22.8	4	100
Big Creek	OK121510-03-0010G	Nowata	CIP	13284	09/28/99	4	0.08	178	337.6	17.6	8.85	94.08584087	4.07	8.14	**0**	**0.0025**	**0.0245**		0.26	0.027	0.287	**0.0025**	0.038	10	25.2	4	200
Big Creek	OK121510-03-0010G	Nowata	CIP	13573	11/02/99	2	0		205.1	14.1	7.22	71.98303208	4.37	8.02	**0.01**	**0.0025**	0.081		0.53	0.0935	0.6135	0.039	0.065	12	6.42	6	1300
Big Creek	OK121510-03-0010G	Nowata	CIP	18197	12/06/99	7	93.57	107	139.9	6.2	11.34	93.59448075	40.3	8.22	0.073	0.006	0.64		0.58	0.719	1.226	0.035	0.122	3	5.2	30.5	100
Big Creek	OK121510-03-0010G	Nowata	CIP	18096	01/10/00	5	25.25	193	385.6	6.7	12.53	103.4161238	3.99	8.41	0.022	**0.0015**	0.066		0.33	0.0895	0.3975	**0.0015**	0.016	5	29	5	100
Big Creek	OK121510-03-0010G	Nowata	CIP	18016	02/14/00	5	5.18	183.4	281.3	8.4	11.95	103.6314259	6.49	8.42	0.045	**0.0005**	**0**		0.16	0.0455	0.1605	**0.0025**	0.028	7.2	32.6	4.5	100
Big Creek	OK121510-03-0010G	Nowata	CIP	17769	03/21/00	7	119.01	135	319	11.2	10.73	99.98174592	15.7	8.26	**0.01**	**0.0015**	**0.02**		0.49	0.0315	0.5115	**0.0015**	0.054	3.5	11.4	15	600
Big Creek	OK121510-03-0010G	Nowata	CIP	21441	06/13/00	5	9.26	193	470	24.9	6.48	79.14145549	16	7.74	0.067	**0.001**	**0**		0.4	0.068	0.401	**0.0001**	0.087	7	21.7	26.1	200
Big Creek	OK121510-03-0010G	Nowata	CIP	19051	07/18/00	5	2.74	199	460	27.8	5.72	73.81374046	8.63	7.81	**0.025**			**0.025**	0.23	0.05	0.255	0.06	0.061	**2.5**	22.5	10	50
Big Creek	OK121510-03-0010G	Nowata	CIP	19316	08/22/00	2	0	168	371	26.9	7.1	90.03640384	9.4		0.05			0.05	0.35	0.1	0.4	0.009	0.043	**2.5**	10.5	15	60
Big Creek	OK121510-03-0010G	Nowata	CIP	21523	09/25/00	2	0	99	234.9	14.5	7.47	74.47551934	5.04	8.1	**0.025**			**0.025**	0.53	0.05	0.555	0.012	0.057	5.1	15.9	20	
Big Creek	OK121510-03-0010G	Nowata	CIP	21846	10/31/00	5	6.6	116	332	21.3	3.43	39.53779331	8.69	7.39	**0.025**			**0.025**	0.54	0.05	0.565	0.062	0.094	**2.5**	13.6	14	200
Big Creek	OK121510-03-0010G	Nowata	CIP	22039	12/04/00	5	2.42	1.45	358	6.4	13.46	111.0918616	3.68	8.04	**0.025**			**0.025**	0.46	0.05	0.485	**0.0025**	0.033	**2.5**	21.5	1	10
Big Creek	OK121510-03-0010G	Nowata	CIP	22534	02/21/01	6	64.45	152	395	6	14.71	121.4087136	8.11	8.18	**0.025**			1.12	0.34	1.145	1.46	0.015	0.033	**2.5**	21.5	6	300
Big Creek	OK121510-03-0010G	Nowata	CIP	22756	03/26/01	5		159	512	9.6	13	115.4701371	3.16	7.76	**0.025**			0.19	0.22	0.215	0.41	0.008	**0.008**	**2.5**	21.8	1	10
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	17206	04/19/99	5	42.54	88	121.9	16.5	12.3	127.6433212	1.35	8.33		**0.001**	0.469		0.08	0.47	0.55		0.024	6	6.04	1	500
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	13395	06/14/99	5		94	141.1	22.9	7.25	84.98665506	2.88	7.62	0.034	0.007	0.45		0.15	0.491	0.607	0.024	0.058	5	**1**	2	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	18259	08/16/99	5	7.89	74	170.1	26.2	6.71	84.78191333	1.8	7.52	**0**	**0.001**	0.14		0.1	0.141	0.241	0.026	0.05	4	2.9	1.3	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	13281	09/27/99	5	8.08	102	153.3	22.2	7.39	86.62777667	1.75	7.75	**0**	**0.0025**	0.106		0.21	0.1085	0.3185	0.018	0.036	6	7.3	2.5	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	13250	11/01/99	5	16.19	80	133.3	17.5	7.76	82.19844896	1.22	7.95	**0**	0.006	0.192		**0.05**	0.198	0.248	0.027	0.064	12	7.83	2.5	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	18243	12/06/99	5	20.62	55	191	10.4	10.19	92.42287686	2.61		**0**	**0.0005**	0.56		**0.05**	0.5605	0.6105	0.018	0.018	8	9.88	1	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	18255	01/10/00	5	19.4	55	178	8.6	12.14	104.8970215	1.53	8.51	**0.01**	**0.0025**	0.67		0.59	0.6825	1.2625	0.012	0.016	6	9.3	1	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	18024	02/14/00	5	11.97	51	193	8	12.64	109.2173272	2.43	8.03	0.03	**0.0005**	0.104		0.21	0.1345	0.3145	0.006	0.021	8	12.2	2.5	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	17295	03/20/00	5	64.73	49	163	11.6	11.97	111.1312108	2.52	8.33	**0**	**0.0015**	0.592		0.27	0.5935	0.8635	0.011	0.025	5.5	14.8	2	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	17814	03/28/00	7	2.75	32	300	13.6	9.38	91.14152968	19.9	7.46	**0.015**	**0.002**	0.146		0.67	0.163	0.818	0.005	0.086	7	91.5	12	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	18640	05/01/00	7		63	127	17.6	7.9	83.68141066	36.1	7.55	0.012	0.009	0.5		1.02	0.521	1.529	0.069	0.179	3.8	4.18	37	7000
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	21362	06/05/00	5	51.16	55	158.3	23.3	8.54	101.9796039	5.91	7.43	**0**	0.005	0.49		0.06	0.495	0.555	0.029	0.073	4.5	8.72	1	100
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	19057	07/10/00	5	59.04	58	136	27.8	9.69	124.5907681	3.43	8.09	**0.025**			0.29	0.18	0.315	0.47	0.021	0.032	**2.5**	7.2	1	10
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	19151	08/15/00	5	8.55	65	162	27.7	8.14	104.6613882	2.53		**0.025**			0.2	0.2	0.225	0.4	0.024	0.041	**2.5**	6.1	2	10
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	21486	09/18/00	4	4.26	60	171	22.7	7.75	90.84780368	2.31	7.23	0.08			0.1	0.08	0.18	0.18	0.026	0.033	**2.5**	**2.5**	1	40
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	21800	10/24/00	4	4.93	84	165	19.5	8.63	95.26404625	3.59	7.71	**0.025**			0.25	0.14	0.275	0.39	0.012	0.031	**2.5**	**2.5**	1	60
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	22016	11/28/00	5	87.19	55	155	9.4	11.5	101.775928	7.16		**0.025**			1.13	0.1	1.155	1.23	0.012	0.032	**2.5**	6	2	40
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	22296	01/08/01	5	80.84	49	163	5.4	14.04	112.5605322	2.42	8.37	**0.025**			0.95	0.07	0.975	1.02	0.01	0.036	**2.5**	8.2	2	10
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	22573	02/13/01	6	90.95	48	145	8.4	11.38	98.33015692	2.32	7.74	**0.025**			0.98	0.09	1.005	1.07	0.02	0.033	**2.5**	7.5	4	40
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	22685	03/20/01	5	62.96	51	102.3	11.7	12.34	114.5663443	4.47		**0.025**			0.7	0.07	0.725	0.77	0.015	0.018	**2.5**	9	22	10
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	17209	04/19/99	5	6.28	74	167.5	19.2	12.36	136.4788611	25.9	7.67		0.005	**0.02**		0.66	0.025	0.685		0.078	7	74.2	13	28400
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	16676	05/17/99	9	93.42	43	137.3	18.8	6.45	69.78881303	105	7.65		0.014	0.419		0.62	0.433	1.053	0.02	0.16	6	14.9	97.3	3200
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	13456	06/14/99	9	9.89	45	131.3	25.5	5.96	73.95660284	102	7.16	0.134	0.019	0.42		1.22	0.573	1.659	0.022	0.175	5	4.7	53	200
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	13447	07/13/99	5		53	230	27	6.06	77.94053836	28.3	7.32	**0.025**	0.005	0.38		0.42	0.41	0.805	0.01	0.084	8	30	16	200
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	13335	08/16/99	2	0	126	310.6	25.1	4.9	60.8032473	25.8	6.96	1.68	0.063	0.38		2.87	2.123	3.313	0.013	0.153	13	26.8	41	100
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	13282	09/27/99	2	0	206	473.9	24	8.8	107.117713	112	7.49	0.075	0.148	1.22		6.09	1.443	7.458	0.021	0.508	25	23.7	126	1100
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	13253	11/01/99	2	0.29		173.5	17.9	5.72	60.60753504	30.2	7.62	0.073	0.008	0.31		0.96	0.391	1.278	0.016	0.065	6	29.6	21	100
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	18244	12/06/99	2	0	32	227	6.5	7.27	59.80275451	97.9	6.99	0.303	0.068	0.65		1.77	1.021	2.488	0.055	0.188	9.5	67.6	50	8500
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	18254	01/10/00	5	0.17	47	386	7.3	11.06	93.30618072	21.8	7.91	**0.01**	**0.0015**	0.26		0.17	0.2715	0.4315	0.005	0.06	29	67	20	100
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	18025	02/14/00	5		65	405	7	9.16	77.27709	20.4	7.4	0.033	**0.0005**	0.09		0.74	0.1235	0.8305	**0**	0.083	30	64.6	20.5	100
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	17296	03/20/00	6	35.11	25	187	8.4	9.9	85.5674039	5.23	8.47	0.069	0.008	0.348		0.99	0.425	1.346	0.006	0.112	5	75.2	30.5	1400
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	18639	05/01/00	7		27	143	17.9	7.51	79.57387904	192	7.82	**0**	0.03	0.36		1.87	0.39	2.26	0.052	0.301	3.5	31.3	150	17500
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	21361	06/05/00	7	71.46	30	123.7	21	6.71	77.08864628	227	7.3	0.111	0.016	0.28		1.59	0.407	1.886	0.038	0.319	5	1	174	11000
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	19056	07/10/00	5	1.48	63	196	28.4	3.84	50.27338132	47.7	7.34	0.12			0.18	1.22	0.3	1.4	0.019	0.145	**2.5**	29.1	20	11000
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	19150	08/15/00	2	0		181	26.3	2.63	33.24031515	22.4		0.22			0.35	0.93	0.57	1.28	0.029	0.125	**2.5**	17.1	18	70
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	21476	09/18/00	5		113	265	19.7	1.7	18.7713644	18.1	7.41	0.45			**0.025**	0.99	0.475	1.015	0.033	0.088	**2.5**	9.4	2	90
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	21799	10/24/00	2	0	134	292	18.1	0.54	5.842784347	17.7	7.51	**0.025**			**0.025**	1.21	0.05	1.235	0.006	0.009	**2.5**	6	20	700
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	22015	11/28/00	4		41	299	5	8.56	68.64698785	45.5		0.19			0.63	1.25	0.82	1.88	0.037	0.16	10	56.4	24	1000
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	22295	01/08/01	5		22	245	0.1	12.5	87.54171752	36.9	7.32	0.42			1.48	1.28	1.9	2.76	0.105	0.184	**2.5**	57.5	32	1000
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	22572	02/13/01	6	20.01	24	217	6	10.93	89.90978085	92.6	7.28	**0.025**			1.06	0.9	1.085	1.96	0.104	0.136	5.6	63.7	74	900

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	22684	03/20/01	5		52	177.5	10.1	10.44	94.71842947	25		**0.025**			**0.025**	0.5	0.05	0.525	0.018	0.042	5.2	61.8	18	80
Horse Creek	OK121600-03-0160G	Ottawa	CIP	16686	04/26/99	9		56	60.1	17.3	7.96	84.84801878	692	7.31		0.01	0.207		2.64	0.217	2.857		0.95	5	2.04	319	1500
Horse Creek	OK121600-03-0160G	Ottawa	CIP	16687	05/24/99	7	31.98	71		22.4	5.13	60.51413526	92.9	7.05		0.016	0.46		1.47	0.476	1.946	0.077	0.308	8.5	19.1	61.4	1300
Horse Creek	OK121600-03-0160G	Ottawa	CIP	13589	06/21/99	9	83.83	64	125.5	22.6	5.5	64.87870252	55.9	7	0.124	0.035	1.08		1.43	1.239	2.545	0.122	0.291	7	**1**	60	2500
Horse Creek	OK121600-03-0160G	Ottawa	CIP	13545	07/19/99	5	0.13	86	252.2	29	6.59	88.378373	21	7.81	0.178	0.015	0.37		1.39	0.563	1.775	0.065	0.255	15	3.57	23.5	500
Horse Creek	OK121600-03-0160G	Ottawa	CIP	13362	08/23/99	4	0	78	315.2	27.4	12.15	157.204546	4.61	9.78	0.037	0.006	0.25		1.04	0.293	1.296	0.115	0.194	23	4.6	12	100
Horse Creek	OK121600-03-0160G	Ottawa	CIP	13523	10/04/99	4	0.24		407.1	15.1	11.6	118.4907559		9.02	**0**	**0.0025**	0.24		0.76	0.2425	1.0025	0.027	0.068	67	41.6	6	400
Horse Creek	OK121600-03-0160G	Ottawa	CIP	13273	11/09/99	2	0	122	695	14.5	6.94	69.37452893	5.39		**0.02**	**0.0015**	0.27		0.9	0.2915	1.1715	0.05	0.114	85	56.2	9	100
Horse Creek	OK121600-03-0160G	Ottawa	CIP	18191	12/13/99	6	2.03	39	150	6.8	12.5	103.4415063	32.5	7.23	**0**	0.023	1.43		**0.05**	1.453	1.503		0.101	7	36.6	40	600
Horse Creek	OK121600-03-0160G	Ottawa	CIP	18247	01/18/00	5	0.37	104	518	8.5	12.04	104.6881906	8.64	8.4	0.07	0.075	1.44		1.49	1.585	3.005	0.084	0.264	40	54.2	18.5	100
Horse Creek	OK121600-03-0160G	Ottawa	CIP	18054	02/22/00	5	0.29	187	676	13.3	14.51	141.8755716	12.2	8.72	2.32	0.061	1.15		4.46	3.531	5.671	0.113	0.416	64	93.5	22	100
Horse Creek	OK121600-03-0160G	Ottawa	CIP	17793	03/27/00	5	2.49	92	433	18.1	11.1	120.8223064	6.73	8.31	**0.02**	0.038	0.73		1.17	0.788	1.938	0.059	0.247	25	70.6	41	2600
Horse Creek	OK121600-03-0160G	Ottawa	CIP	18659	05/02/00	7	20.15	38	187	17.9	4.76	50.73826249	73.6	7.16	0.336	0.06	0.94		2.31	1.336	3.31	0.148	0.584	9	17.6	71	12500
Horse Creek	OK121600-03-0160G	Ottawa	CIP	21382	06/06/00	5	0.14	81	284	21.2	9.68	111.8771262	15.9	8.48	**0.01**	0.013	0.3		0.88	0.323	1.193	0.073	0.238	12	8.3	26	200
Horse Creek	OK121600-03-0160G	Ottawa	CIP	19063	07/11/00	5	0.31	89	267	26.5	4.14	52.63901706	7.05	7.58	**0.025**			0.12	0.41	0.145	0.53	0.13	0.18	7.7	18.2	6	10
Horse Creek	OK121600-03-0160G	Ottawa	CIP	19144	08/14/00	2	0	88	185	26	5.88	74.76266191	12.5		0.06			0.11	0.7	0.17	0.81	0.206	0.278	**2.5**	19.5	2	50
Horse Creek	OK121600-03-0160G	Ottawa	CIP	21504	09/19/00	2	0	150	391	18	0.99	10.77604354	18.8	7.5	0.15			**0.025**	1.82	0.175	1.845	0.404	0.785	11.9	9.4	16	4000
Horse Creek	OK121600-03-0160G	Ottawa	CIP	21796	10/23/00	4	0.24	97	355	18.3	4.07	44.30151234	5.29	7.74	**0.025**			**0.025**	0.87	0.05	0.895	0.04	0.122	23.4	16.2	1	8000
Horse Creek	OK121600-03-0160G	Ottawa	CIP	21996	11/27/00	4	0.15	85	332	5.9	10.62	85.67819005	15.8		1.02			1.16	1.68	2.18	2.84	0.152	0.237	13	29	10	40
Horse Creek	OK121600-03-0160G	Ottawa	CIP	22300	01/09/01	6	3.81	98	593	1.1	7.14	51.7573185	24.8	7.52	2.99			1.22	4.6	4.21	5.82	0.008	0.657	81.3	44.1	34	42000
Horse Creek	OK121600-03-0160G	Ottawa	CIP	22566	02/12/01	6	6.14	59	219	5.1	10.04	80.99896687	127	7.16	0.48			1.6	2.2	2.08	3.8	0.262	0.414	8.8	58.5	48	1400
Horse Creek	OK121600-03-0160G	Ottawa	CIP	22678	03/19/01	5	1.58	103	330.4	12.4	17.14	163.8530379	22.7	9.07	0.25			1.37	1.89	1.62	3.26	0.065	0.27	23.9	56.7	32	30
Fly Creek	OK121600-03-0180D	Ottawa	CIP	16691	04/26/99	9		73	104.5	15.9	8.6	87.97446163	17.7	7.67		0.01	0.466		0.61	0.476	1.086		0.13	4	1.44	7	8000
Fly Creek	OK121600-03-0180D	Ottawa	CIP	16692	05/24/99	9	7.75	72	160	19.5	9.08	101.0095646	13.6	7.61		0.02	0.75		0.63	0.77	1.4	0.049	0.114	8	2.8	11	100
Fly Creek	OK121600-03-0180D	Ottawa	CIP	13556	06/21/99	9	15.18	60	138.6	20.8	8.1	91.99524258	15.9	7.5	**0.01**	0.008	0.51		0.76	0.528	1.278	0.056	0.124	4.2	**1**	16	700
Fly Creek	OK121600-03-0180D	Ottawa	CIP	13426	07/19/99	5	1.91	127	291.1	25.5	9.43	117.8886836	2.89	7.95	**0.02**	**0.002**	0.89		0.21	0.912	1.102	0.009	0.027	9	12	1.5	100
Fly Creek	OK121600-03-0180D	Ottawa	CIP	13579	08/23/99	4	0.01	160	308.5	25.7	9.85	123.139293	1.41	7.9	**0**	**0.0015**	0.187		0.17	0.1885	0.3585	0.017	0.037	6	3.45	1.5	1600
Fly Creek	OK121600-03-0180D	Ottawa	CIP	13235	10/04/99	4	0.04	183	257	13.9	10.26	100.4660339	2.44	8	**0**	**0.0025**	0.198		**0.045**	0.2005	0.2455	0.017	0.036	9	12.9	3	100
Fly Creek	OK121600-03-0180D	Ottawa	CIP	13469	11/09/99	4	1	152	362	13.1	5.25	51.4080583	3.53		**0.01**	**0.001**	**0.0245**		0.48	0.0355	0.5055	0.046	0.07	10	3.57	7.5	200
Fly Creek	OK121600-03-0180D	Ottawa	CIP	18190	12/13/99	5	1	81	267	7.9	13.25	112.6162069	7.67		0.116	0.006	1.34		0.65	1.462	1.996	0.036	0.372	10	22.7	6	100
Fly Creek	OK121600-03-0180D	Ottawa	CIP	18248	01/18/00	5	0.31	105	307	8.8	12.59	109.6298002	1.99	8.2	**0**	**0.001**	0.271		0.2	0.272	0.472	**0.0025**	0.019	11	17.2	5	100
Fly Creek	OK121600-03-0180D	Ottawa	CIP	18053	02/22/00	5	0.41	123	276.5	13.4	13.38	131.0171086	1.8	8.66	**0.025**	**0.001**	0.087		0.16	0.113	0.248	**0.0015**	0.006	11.5	18.5	5	300
Fly Creek	OK121600-03-0180D	Ottawa	CIP	18501	03/27/00	5	2.08	98	289	16.3	11.43	119.5357022	4.11	8.21	**0.01**	0.005	0.3		0.41	0.315	0.715	**0.0001**	0.03	17	23.8	1	200
Fly Creek	OK121600-03-0180D	Ottawa	CIP	18660	05/02/00	6	1.46	86	238	16.9	8.88	92.86763214	9.06	7.6	**0**	0.021	0.35		0.63	0.371	1.001	0.039	0.107	9	3.52	15	1200
Fly Creek	OK121600-03-0180D	Ottawa	CIP	21383	06/06/00	5	0.79	122	344	19.4	8.23	91.55382339	2.4	7.51	**0**	0.005	0.49		0.13	0.495	0.625	0.033	0.081	10	13.3	8	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Fly Creek	OK121600-03-0180D	Ottawa	CIP	19064	07/11/00	5	0.69	115	291	26	8.84	112.561891	2.25	7.77	**0**			0.69	0.05	0.69	0.74	0.017	0.036	6.1	9.8	1	190
Fly Creek	OK121600-03-0180D	Ottawa	CIP	19145	08/14/00	5	0.24	130	318	24.8	8.61	105.5872557	2.77		**0.025**			0.23	0.27	0.255	0.5	0.026	0.038	**2.5**	10.5	2	160
Fly Creek	OK121600-03-0180D	Ottawa	CIP	21505	09/19/00	4	0.05	151	359	18	8.48	92.43824273	2.81	7.73	0.09			0.1	0.16	0.19	0.26	0.029	0.035	**2.5**	6.4	1	30
Fly Creek	OK121600-03-0180D	Ottawa	CIP	21792	10/23/00	4	0.155	139	360	18.6	5.72	62.3522109	2.74	7.53	**0.025**			0.1	0.25	0.125	0.35	0.042	0.078	**2.5**	10.8	6	200
Fly Creek	OK121600-03-0180D	Ottawa	CIP	21997	11/27/00	4	0.25	124	371	7.3	14.29	121.4555167	2.39		**0.025**			0.42	0.16	0.445	0.58	0.011	0.041	8.8	11.4	7	70
Fly Creek	OK121600-03-0180D	Ottawa	CIP	22301	01/09/01	6	2.82	58	213	1.5	12.85	93.2842597	29.2	7.84	**0.025**			1.92	0.65	1.945	2.57	0.048	0.143	7	17.5	24	20
Fly Creek	OK121600-03-0180D	Ottawa	CIP	22567	02/12/01	5	4.48	69	264	6.2	12.65	104.8351773	10.2	7.95	**0.025**			2.34	0.45	2.365	2.79	0.017	0.033	6.6	15.6	12	200
Fly Creek	OK121600-03-0180D	Ottawa	CIP	22679	03/19/01	5	2.44	98	191.2	10.8	13.02	119.0076023	3.5	8.23	**0.025**			1.22	0.27	1.245	1.49	**0.0025**	0.02	6.3	16.4	22	40
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	16695	04/26/99	9		45	68.5	17.3	9.03	96.31448919	33.9	7.61		0.014	0.406		2.01	0.42	2.43		0.49	4.5	**0.34**	218	2000
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	16696	05/24/99	9	19.31	112	160	22.1	6.39	75.42504221	59.9	7.44		0.024	0.49		1.07	0.514	1.584	0.106	0.286	8	11.1	40	700
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	13568	06/21/99	9	48.59	52	151.1	22.6	6.06	71.52985224	41.9	7.43	0.057	0.014	0.8		1.22	0.871	2.034	0.124	0.245	5.2	**1**	46	1200
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	13306	07/19/99	5	0.12	132	312	24.5	6.5	79.64623654	10.5	7.65	0.099	**0.002**	0.27		0.78	0.371	1.052	0.051	0.136	12	3.73	1	100
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	13363	08/23/99	2	0.3	155	338.5	26.1	6.56	83.46156163	8.18	8.07	**0.01**	**0.0005**	0.08		0.63	0.0905	0.7105	0.084	0.171	12	3.28	13	100
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	13500	10/04/99	2	0	138	261.4	14.5	6.96	69.61856281	11.2	8.09	**0**	**0.0025**	0.098		0.75	0.1005	0.8505	0.065	0.16	17	3.03	13.5	300
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	13272	11/09/99	2	0	150	307	13.9	1.22	11.93645265	6.39		**0.015**	**0.0015**	0.126		1.09	0.1425	1.2175	0.254	0.481	20	1.05	8.5	100
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	18192	12/13/99	7	2.52	34	174	8.9	9.95	86.57042006	80.8	6.98	**0.01**	0.01	1.57		0.75	1.59	2.33	0.16	0.288	6	2.6	25	200
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	18249	01/18/00	5	1	92	328	9.5	9.05	80.64877658	2.82	7.66	**0**	**0.0015**	0.121		0.21	0.1225	0.3325	0.017	0.051	13	31.2	3.5	100
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	18055	02/22/00	6	1.25	123	350.6	13.3	12.99	127.0938688	4.78	8.4	**0.025**	**0.001**	0.065		0.48	0.091	0.546	0.009	0.049	18	39.9	9	300
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	17792	03/27/00	7	2.47	104	335	16.1	12.85	134.2759043	6.38	8.44	**0.02**	**0.002**	0.051		0.54	0.073	0.593	0.013	0.066	16	37.8	1	300
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	18661	05/02/00	6	5.68	69	229	18.8	6.06	66.00426577	26.6	7.45	0.238	0.051	0.35		2.27	0.639	2.671	0.545	0.711	10	1.12	40	6000
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	21381	06/06/00	5	0.04	117	299	17.9	6.14	65.48958622	8.04	6.61	**0.01**	0.007	0.28		0.52	0.297	0.807	0.066	0.198	16	3.18	17	200
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	19062	07/11/00	4		132	328	26.8	5.12	65.14073103	7.76	7.56	**0.025**			0.14	0.41	0.165	0.55	0.071	0.149	6.1	12.5	8	200
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	19143	08/14/00	2	0	129	256	24.4	3.37	41.29351033	4.85		**0.025**			0.07	0.3	0.095	0.37	0.045	0.094	5.5	9.4	2	20
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	21503	09/19/00	2	0	115	355	18.8	5.84	63.6080713	8.36	7.72	0.22			0.06	0.93	0.28	0.99	0.019	0.141	20.7	17.3	8	70
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	21793	10/23/00	2	0	105	17.7	17.6	7.3	77.86221164	3.87	7.84	**0.025**			**0.025**	0.46	0.05	0.485	0.009	0.044	34.6	44.9	1	
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	21995	11/27/00	4	0.09	92	317	7.7	9.3	78.97897942	4.55		**0.025**			0.44	0.45	0.465	0.89	0.022	0.079	13.7	19	5	200
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	22299	01/09/01	6	9.65	58	322	0.4	12.89	90.8722435	26.5	7.71	0.16			1.84	1.3	2	3.14	0.251	0.31	28.4	24.5	30	2000
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	22565	02/12/01	6	5.57	68	298	4.8	11.74	92.31231431	45.9	7.6	0.07			1.69	1.1	1.76	2.79	0.151	0.249	12.9	34.4	16	3000
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	22677	03/19/01	6	2.95	102	240.5	10.4	14.31	130.6913687	8.7	8.45	**0.025**			0.75	0.55	0.775	1.3	0.009	0.037	13.4	30	18	60
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	16710	04/27/99	9		71	130.7	17.5	7.71	82.15257743	83.5	7.47		0.014	0.166		1.08	0.18	1.26		0.28	6	1.55	44	4000
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	13625	06/22/99	9	26.25	79	185.3	23.9	5.72	68.70943745	63	7.27	0.092	0.015	0.44		1	0.547	1.455	0.134	0.297	8	**1**	60	100
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	13309	07/20/99	2	0	131	310.8	30.9	5.6	76.36789323	10	7.51	0.065	**0.0005**	0.149		0.92	0.2145	1.0695	0.027	0.107	10.5	27.7	18.5	100
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	13368	08/24/99	2	0	158	359.2	29.4	6.36	85.2620716	7.1	7.75	**0**	**0.001**	0.124		0.68	0.125	0.805	0.032	0.094	10	17.5	8	100
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	13401	10/05/99	2	0	142	233.6	17.5	8.46	90.14407329	9.63	8.32	0.056	**0.0025**	0.153		0.85	0.2115	1.0055	0.013	0.07	10.9	18.9	9.5	100
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	13528	11/08/99	2	0	165	406	16.5	1.82	18.99893628	11.1		0.022	**0.0015**	0.42		1.32	0.4435	1.7415	0.069	0.387	15	2.92	8.5	400

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	18175	12/13/99	2	0	23	146.7	7.1	7.67	65.07090889	94.2	8.63	0.058	0.022	2.04		1.1	2.12	3.162	0.169	0.38	11	37	50	1300
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	18104	01/18/00	5	0.15	96	227.3	8.4	9.73	84.5711477	18.2	8.37	**0.01**	**0.002**	0.034		0.87	0.046	0.906	**0.0025**	0.086	19	37.9	22	100
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	18083	02/23/00	7	23.46	121	552	12.5	7.97	76.16232246	89.4	8.16	0.087	0.037	0.49		1.84	0.614	2.367	0.042	0.294	47	72.6	129	7500
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	17794	03/27/00	5	1.82	114	435	20.6	11.99	135.9270917	16.9	8.29	**0.02**	**0.001**	**0.02**		1.27	0.041	1.291	**0.0001**	0.122	25	58.4	20	100
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	18691	05/08/00	6	7.08	74	307	26.4	7	88.97001158	58.3	7.57	0.386	0.108	0.56		2.12	1.054	2.788	0.092	0.307	18	43.3	38	900
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	21421	06/12/00	5	0.51	116	315	24.6	6.56	80.30057998	19.5	7.41	0.12	0.009	0.2		0.95	0.329	1.159	0.029	0.165	10	13.8	23	100
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	19066	07/17/00	4	0.4	160	360	27	4.29	55.48611175	11.9	7.78	**0.025**			0.05	0.5	0.075	0.55	0.034	0.104	**2.5**	11.9	8	20
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	19200	08/21/00	2	0	119	331	27.7	5.1	65.96251048	18		**0.025**			**0.025**	0.67	0.05	0.695	0.029	0.123	11.9	9.4	24	150
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	21715	09/25/00	2	0	101	335	14.9	2.88	28.77870462	5.63	8.19	**0.025**			**0.025**	1.02	0.05	1.045	0.011	0.035	15.1	10.1	6	
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	21829	10/30/00	2	0	129	399	19.7	4.63	51.41195669	4.09	7.4	0.05			**0.025**	0.69	0.075	0.715	0.051	0.083	10.9	11.9	1	
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	22045	12/06/00	2	0	108	352	5.2	14.4	116.1305375	14.1	8.63	**0.025**			**0.025**	1.01	0.05	1.035	0.024	0.112	15	19.7	12	10
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	22304	01/16/01	4		46	290	1.5	9.12	66.08555956	50.1	7.86	0.41			2.83	1.57	3.24	4.4	0.212	0.467	11	49.1	14	
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	22502	02/20/01	6	5.82	85	320	6.3	11.09	91.739115	57.5	7.63	0.25			1.11	1.31	1.36	2.42	0.141	0.252	11.3	46.7		50
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	22763	03/27/01	5	0.55	115	270.1	7.1	10.17	86.28046198	6.46	7.71	**0.025**			0.06	0.98	0.085	1.04	0.013	0.073	18.7	50.1	4	90
Cow Creek	OK121600-04-0130G	Ottawa	CIP	16714	04/27/99	9		24	83.3	16	8.36	87.28935051	114	6.99		0.011	0.187		0.94	0.198	1.138		0.17	4	4.2	52	3000
Cow Creek	OK121600-04-0130G	Ottawa	CIP	16715	05/25/99	9	10.66	25	116.5	20.9	5.46	61.91224764	73.2	7		0.024	0.49		1.14	0.514	1.654	0.016	0.174	7	11.5	51.2	200
Cow Creek	OK121600-04-0130G	Ottawa	CIP	13563	06/22/99	9	17.73	55	116.5	22.8	5.64	66.5202441	85.7	6.8	0.109	0.033	0.78		1.04	0.922	1.853	0.018	0.182	5.2	20.6	64	900
Cow Creek	OK121600-04-0130G	Ottawa	CIP	13481	07/20/99	5	0.03	65	143	26.4	2.75	34.96031905	9.8	7.43	0.119	0.006	0.35		0.74	0.475	1.096	0.006	0.078	8	5.66	9.5	200
Cow Creek	OK121600-04-0130G	Ottawa	CIP	13488	08/24/99	2	0	126	316.2	25.1	3.01	37.56907472	10.9	7.52	0.134	0.06	0.31		1.08	0.504	1.45	0.021	0.087	7	5.69	6.5	200
Cow Creek	OK121600-04-0130G	Ottawa	CIP	13239	10/05/99	2	0								**0.01**	**0.0025**	0.103		0.59	0.1155	0.6955	**0.0025**	0.05	4.3	44.1	6	100
Cow Creek	OK121600-04-0130G	Ottawa	CIP	18174	12/13/99	5	3.22	11	88.5	5.9	9.16	73.88844112	63.1	8.59	0.077	0.012	1.19		0.81	1.279	2.012	0.02	0.163	5	38.6	34	500
Cow Creek	OK121600-04-0130G	Ottawa	CIP	18103	01/18/00	5	0.23	34	168.3	7.5	7.43	63.04888478	26	8.17	**0**	0.005	0.411		0.55	0.416	0.966	**0.0025**	0.061	10	36.1	16	200
Cow Creek	OK121600-04-0130G	Ottawa	CIP	18084	02/23/00	5	3.9	52	262	12.2	7.43	71.0178888	69.4	8.14	0.273	0.021	1.24		1.1	1.534	2.361	0.007	0.135	14	63.2	49	500
Cow Creek	OK121600-04-0130G	Ottawa	CIP	17813	03/28/00	5	2.43	35	248	13.7	7.5	73.32241128	42.8	7.77	0.05	0.011	0.23		0.74	0.291	0.981	**0.0001**	0.107	6.5	84	26	200
Cow Creek	OK121600-04-0130G	Ottawa	CIP	18690	05/08/00	6	18.48	29	156	22.3	5.82	68.64323061	80.2	7.18	0.136	0.026	0.5		1.26	0.662	1.786	0.014	0.196	5	35.4	50	2000
Cow Creek	OK121600-04-0130G	Ottawa	CIP	21422	06/12/00	7	4.72	37	150.8	23.1	3.95	47.45855885	70.1	6.75	0.158	0.041	0.65		1.14	0.849	1.831	0.014	0.205	5.5	17.2	65	1000
Cow Creek	OK121600-04-0130G	Ottawa	CIP	19072	07/17/00	4	0.06	65	205	25.3	2.63	32.82613505	21		0.13			0.32	0.63	0.45	0.95		**0.0025**	**2.5**	26	14	70
Cow Creek	OK121600-04-0130G	Ottawa	CIP	19304	08/21/00	2	0	112	262	24.8	1.98	24.24248409	15.6		0.13			0.37	0.61	0.5	0.98	**0.0025**	0.029	**2.5**	8.1	14	10
Cow Creek	OK121600-04-0130G	Ottawa	CIP	21834	10/30/00	2	0	119	320	20.2	0.87	9.865138361	74	6.99	0.06			**0.025**	1.19	0.085	1.215	0.055	0.17	**2.5**	25.5	55	600
Cow Creek	OK121600-04-0130G	Ottawa	CIP	22050	12/06/00	2	0	137	277		0.67		54.5	7.43	**0.025**			**0.025**	0.78	0.05	0.805	0.017	0.052	**2.5**	17.1	56	10
Cow Creek	OK121600-04-0130G	Ottawa	CIP	22309	01/16/01	5	1.06	17	283	1.6	10.03	72.69587239	29.2	7.07	0.26			3.48	1.03	3.74	4.51	0.022	0.093	11.4	69.7	10	300
Cow Creek	OK121600-04-0130G	Ottawa	CIP	22507	02/20/01	6	4.49	19	195	7	10.76	91.30632573	40.1	7.07	0.12			2.04	0.75	2.16	2.79	0.042	0.106	5.6	50.6	24	90
Cow Creek	OK121600-04-0130G	Ottawa	CIP	22691	03/26/01	5	1.49	37	167.8	10.7	10.93	99.74415628	18.6	7.12	**0.025**			0.82	0.54	0.845	1.36	0.018	0.039	5.8	60.7	8	90
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	16718	04/27/99	9		39	76.6	15.6	8.89	90.92407486	140	6.98		0.01	0.246		0.97	0.256	1.226		0.21	3	4.6	95.5	2000
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	16719	05/25/99	9	162.52	37	67.6	18.6	7.03	76.61787752	238	7.36		0.013	0.54		1.65	0.553	2.203	0.061	0.435	5	22.1	169	5500

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	13452	06/22/99	6	13.77	49	121.3	21.8	6.31	73.02069346	48.2	7	0.062	0.013	0.63		0.9	0.705	1.543	0.038	0.158	6	18.2	31	200
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	13480	07/20/99	5	0.54	51	186.3	25.7	5.28	65.99534617	5.63	7.3	0.061	**0.0015**	0.27		0.51	0.3325	0.7815	**0.0015**	0.056	8	30.8	5.5	200
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	13367	08/24/99	2	0	71	217.8	23.2	5.3	63.76886766	8.06	7.5	0.04	**0.0015**	0.2		0.55	0.2415	0.7515	0.017	0.061	7	33.2	7	100
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	13238	10/05/99	2	0	63	154.7	12.2	5.56	53.21929544	3.1	7.85	**0.01**	**0.0025**	0.134		0.41	0.1465	0.5465	**0.002**	0.04	9.2	37	3.5	100
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	13268	11/08/99	2	0	101	306	15.1	0.4	4.091071984	9.99		**0.023**	**0.002**	0.5		1.75	0.525	2.252	0.091	0.375	10	**0.5**	13.5	100
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	18173	12/13/99	6	4.3	23	78.3	6.1	10.06	83.35534484	40.3	8.07	**0.02**	0.005	0.75		0.59	0.775	1.345	0.033	0.156	4.5	27.7	20.5	400
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	18102	01/18/00	5	0.29	30	213	7	10.67	90.67099885	15.6	7.98	**0**	0.005	0.097		0.43	0.102	0.532	**0.0025**	0.051	6	49.8	9.5	100
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	18085	02/23/00	6	5.93	50	333	12.3	9.04	86.52921416	32.5	7.98	0.063	0.006	0.27		0.62	0.339	0.896	**0.0015**	0.082	8	54	24	1200
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	18689	05/08/00	6	13.07	28	184	20.8	6.38	72.44693091	58.6	7.3	0.238	0.049	1.04		1.62	1.327	2.709	0.034	0.205	5	45	34	800
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	21420	06/12/00	7	14.63	34	166.1	22.3	5.74	67.79567793	215	6.98	0.194	0.033	0.82		1.16	1.047	2.013	0.047	0.338	4.2	32.4	178	2000
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	19071	07/17/00	5	0.31	50	167	25.7	4.54	56.74599841	7.91		**0.025**			0.23	0.36	0.255	0.59	0.019	0.057	**2.5**	34.8	6	180
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	19303	08/21/00	2	0	48	172	26.7	6.77	86.18798899	6.78		**0.025**			0.07	0.36	0.095	0.43	0.014	0.065	**2.5**	15.3	14	40
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	21719	09/25/00	2	0	98	223	13	1.67	16.34960752	5.73	7.42	**0.025**			**0.025**	1.08	0.05	1.105	**0.0025**	0.122	**2.5**	13.9	1	10
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	21833	10/30/00	2	0	150	301	20.8	0.17	1.930404115	18.8	6.72	0.26			**0.025**	2.47	0.285	2.495	0.069	0.287	5.4	18.6	1	6000
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	22049	12/06/00	2	0	55	199	3.3	4.91	37.62606694	9.38	7.32	**0.025**			**0.025**	0.44	0.05	0.465	0.042	0.083	**2.5**	16.4	6	20
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	22308	01/16/01	4	0.07	31	1.86	0.6	5.6	39.50406359	41	7.14	0.29			2.27	1.55	2.56	3.82	0.051	0.206	6.7	34.3	11	180
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	22506	02/20/01	6	3.78	22	206	6.7	11.02	91.30973162	50.4	6.86	0.07			1.67	0.89	1.74	2.56	0.05	0.15	**2.5**	58.7	52	120
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	22690	03/26/01	5	0.82	33	186.8	10.8	10.85	99.15449856	19.5	6.91	**0.025**			0.66	0.54	0.685	1.2	0.017	0.076	5	73.8	4	30
Russell Creek	OK121600-04-0200G	Craig	CIP	17212	04/20/99	5	4.01	163	168.2	17	10.2	108.8627896	4.29	8.22		**0.0015**	**0.025**		0.35	0.0265	0.3765		0.034	8	102	1	14600
Russell Creek	OK121600-04-0200G	Craig	CIP	16722	05/18/99	9	29.8	99	121.1	19.5	8.35	92.8714207	60.6	7.62		0.012	0.728		0.67	0.74	1.41	0.03	0.17	5	45.3	24	5000
Russell Creek	OK121600-04-0200G	Craig	CIP	13558	06/15/99	5	1.34	143	446	21.2	6.77	78.34391359	9.6	7.81	**0.01**	**0.001**	**0.0385**		0.41	0.0495	0.4495	**0.0025**	0.06	6.5	83.1	13	700
Russell Creek	OK121600-04-0200G	Craig	CIP	13493	07/13/99	5	2.29	137	337	26.4	9.74	123.9986725	13	7.9	**0.025**	0.005	0.22		0.5	0.25	0.725	0.015	0.071	6.8	77.2	12.5	300
Russell Creek	OK121600-04-0200G	Craig	CIP	13485	08/17/99	2	0	136	442.5	23.7	2.36	28.3951939	6.82	7.63	**0.01**	**0.0015**	0.079		0.74	0.0905	0.8205	0.01	0.054	27	57.4	9	200
Russell Creek	OK121600-04-0200G	Craig	CIP	13283	09/28/99	4	0	105	271.2	16.3	4.56	47.67988646	6.48	7.47	**0.01**	0.005	0.33		0.46	0.345	0.795	0.013	0.071	85	115	6.5	400
Russell Creek	OK121600-04-0200G	Craig	CIP	13407	11/02/99	2	0		739	10.8	2.62	23.94329827	4.68	7.37	**0**	**0.0025**	0.083		0.64	0.0855	0.7255	0.022	0.081	200	74.5	10.5	100
Russell Creek	OK121600-04-0200G	Craig	CIP	18199	12/06/99	6	17.52	70	162.2	5.7			33.5	8.02		0.008	0.92		0.52	0.928	1.448	0.057	0.15	5	44.5	28.5	2000
Russell Creek	OK121600-04-0200G	Craig	CIP	18094	01/10/00	5	6.59	131	499.1	5.2	13	105.0122026	6.38	8.29	**0.01**	**0.001**	0.053		0.37	0.064	0.424	0.008	0.03	7	43	7	100
Russell Creek	OK121600-04-0200G	Craig	CIP	18014	02/14/00	5	2.06	4.01	318.9	3.7	12.56	96.24916513		8.25	0.031	**0.0005**	**0.02**		0.19	0.0515	0.2105	**0**	0.024	7.5	79.8	1	100
Russell Creek	OK121600-04-0200G	Craig	CIP	17766	03/21/00	6	16.3	131	386.8	10.2	11.13	101.7133243	14.1	8.13	**0.02**	0.005	0.251		0.53	0.276	0.786	0.01	0.064	4.5	77.8	8	200
Russell Creek	OK121600-04-0200G	Craig	CIP	18692	05/08/00	6	18.87	108	360	25	7.8	97.49312503	21.4	7.69	**0**	0.013	0.49		0.65	0.503	1.153	0.03	0.109	4	81	19	1200
Russell Creek	OK121600-04-0200G	Craig	CIP	21423	06/12/00	5	0.29	84	396	27.5	6.93	89.7785747	5.73	7.44	**0.01**	**0.0015**	0.111		0.32	0.1225	0.4325	0.009	0.076	7	93	8	200
Russell Creek	OK121600-04-0200G	Craig	CIP	19073	07/17/00	4	0.28	139	404	26.8	6.34	80.71371495	5.9		**0.025**			0.29	0.54	0.315	0.83	0.005	0.067	**2.5**	75.8	12	110
Russell Creek	OK121600-04-0200G	Craig	CIP	19305	08/21/00	2	0	104	358	27.8	8.15	105.5837495	8.03		**0.025**			**0.025**	0.5	0.05	0.525	0.02	0.084	**2.5**	38.2	16	110
Russell Creek	OK121600-04-0200G	Craig	CIP	21721	09/25/00	2	0	121	374	12.6	8.25	78.96747974	8.59	8.08	**0.025**			**0.025**	0.75	0.05	0.775	0.021	0.101	**2.5**	46.3	1	50
Russell Creek	OK121600-04-0200G	Craig	CIP	21842	10/31/00	2	0	110	476	19.2	0.14	1.557125617	10.2	6.83	**0.025**			**0.025**	1.36	0.05	1.385	0.165	0.222	12.9	59.5	12	1100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Russell Creek	OK121600-04-0200G	Craig	CIP	22044	12/06/00	4		109	417	2.9	12.92	96.35526175	3.68	7.69	**0.025**			0.13	0.47	0.155	0.6	0.016	0.035	7.9	60.6	4	110
Russell Creek	OK121600-04-0200G	Craig	CIP	22310	01/16/01	5	5.3	105	428	0.5	13.33	94.03377993	6.95	7.99	**0.025**			2.72	0.39	2.745	3.11	0.013	0.037	**2.5**	69.4	1	10
Russell Creek	OK121600-04-0200G	Craig	CIP	22508	02/20/01	6	8.93	100	466	6.7	10.95	90.72972425	9.63	7.98	0.12			1.67	0.45	1.79	2.12	0.024	0.05	**2.5**	82.4	22	90
Russell Creek	OK121600-04-0200G	Craig	CIP	22764	03/27/01	5	3.65	107	294.7	7.2	11.21	95.25978417	5.53	7.99	**0.025**			**0.025**	0.25	0.05	0.275	0.01	0.02	**2.5**	102	24	800
Bull Creek	OK121600-06-0200G	Craig	CIP	17210	04/20/99	5	3.45	164	396.6	15.5	3.42	34.7942984	10.6	7.35		0.043	0.254		4.87	0.297	5.167		0.684	35	125	11.5	9400
Bull Creek	OK121600-06-0200G	Craig	CIP	16729	05/18/99	9	227.97	82	165.6	19.5	5.3	58.63761951	77.3	7.31		0.013	0.219		1.32	0.232	1.552	0.07	0.35	5	31.1	86	10000
Bull Creek	OK121600-06-0200G	Craig	CIP	13202	06/15/99	5	1.01	92	266.2	23	0.75	8.976332823	13	7.22	2.61	0.043	0.35		3.22	3.003	3.613	0.563	0.864	10.5	37	11	100
Bull Creek	OK121600-06-0200G	Craig	CIP	13562	07/14/99	5	5.43	46	152.1	22.9	3.24	38.0662393	50.2	7.38	0.29	0.033	0.56		0.64	0.883	1.233	0.072	0.202	6	32.5	41	900
Bull Creek	OK121600-06-0200G	Craig	CIP	13336	08/17/99	2	0	114	269.5	22.5	0.95	11.16139733	17	7.8	0.113	**0.0015**	0.26		1.32	0.3745	1.5815	0.165	0.503	8	3.7	11.5	100
Bull Creek	OK121600-06-0200G	Craig	CIP	13419	09/28/99	4	0.02	139	349.7	17.3	2.1	22.29479224	6.52	7.46	2.49	**0.002**	0.29		3.3	2.782	3.592	0.008	0.118	13.5	228	6.5	100
Bull Creek	OK121600-06-0200G	Craig	CIP	13595	11/02/99	5	0.15		335.8	11.7	1.11	10.32873436	18.5	7.55	0.076	**0.0005**	0.31		2.34	0.3865	2.6505	0.121	0.596	17	86.7	10.5	7000
Bull Creek	OK121600-06-0200G	Craig	CIP	18201	12/06/99	5	1.25	49	226.7	6.6	5.33	43.93063983	49.7	8.28	0.198	0.041	0.97		0.94	1.209	1.951	0.045	0.21	24	55.4	47	2600
Bull Creek	OK121600-06-0200G	Craig	CIP	18092	01/10/00	5	0.42	89	198.1	5.8	7.31	58.73793041	24.2	8.47	0.077	0.012	0.31		0.92	0.399	1.242	0.02	0.15	20.2	71.2	20	100
Bull Creek	OK121600-06-0200G	Craig	CIP	18012	02/14/00	5	0.27	84	59.9	5.9	5.3	42.58700837	21.7	8.11	0.143	0.01	0.172		0.62	0.325	0.802	0.01	0.15	72	77	15	100
Bull Creek	OK121600-06-0200G	Craig	CIP	17764	03/21/00	5	2.26	66	385.1	11.2	5.26	48.94517362	37.7	7.86	0.3	0.023	0.364		0.86	0.687	1.247	0.02	0.243	26	110	38	900
Bull Creek	OK121600-06-0200G	Craig	CIP	21439	06/13/00	6	5.34	84	343	23.5	0.73	8.736963948	19.7	6.78	0.482	0.023	0.166		1.87	0.671	2.059	0.126	0.323	15	43.8	26	20000
Bull Creek	OK121600-06-0200G	Craig	CIP	19048	07/18/00	4	0.25	155	293	25.5	0.64	7.957272126	26.9	7.35	**0.025**			0.55	1.94	0.575	2.49	0.622	1.149	5.2	17.7	8	220
Bull Creek	OK121600-06-0200G	Craig	CIP	19313	08/22/00	2	0	145	402	23.5	1.82	21.78256765	22.4		0.55			0.9	0.96	1.45	1.86	0.11	0.258	**2.5**	7.8	26	10
Bull Creek	OK121600-06-0200G	Craig	CIP	21526	09/25/00	2	0	40	456	13.6	0.95	9.251652537	10	6.99	**0.025**			0.23	1.07	0.255	1.3	0.005	0.014	**2.5**	183	8	9000
Bull Creek	OK121600-06-0200G	Craig	CIP	21843	10/31/00	4	0.38	102	583	19.9	1.38	15.26790848	6.86	6.96	0.36			**0.025**	1.09	0.385	1.115	0.288	0.31	23.3	100	16	160
Bull Creek	OK121600-06-0200G	Craig	CIP	22043	12/04/00	4	0.15	113	620	5.2	7.91	63.55910117	19	7.68	**0.025**			**0.025**	1.27	0.05	1.295	0.11	0.205	55.6	81	4	10
Bull Creek	OK121600-06-0200G	Craig	CIP	22311	01/17/01	5	0.84	78	722	1.5	15.05	108.6589622	16.2	7.6	1.37			1.38	2.35	2.75	3.73	0.021	0.07	100	116	4	50
Bull Creek	OK121600-06-0200G	Craig	CIP	22531	02/21/01	6	5.66	51	356	7.1	5.83	49.28075845	51.8	7.1	0.92			1.05	2.33	1.97	3.38	0.094	0.323	15.1	72.2	36	21000
Bull Creek	OK121600-06-0200G	Craig	CIP	22765	03/27/01	5	0.55	95	200.6	8.7	2.96	25.63412009	20	7.26	1.1			**0.025**	1.91	1.125	1.935	0.047	0.259	14.9	63.6	8	200
PawPaw Creek	OK121600-06-0240G	Craig	CIP	17211	04/20/99	5	2.66	92	568	14.6	9.79	97.55141182	5.92	7.65		**0.0005**	**0.025**		0.34	0.0255	0.3655		0.031	7	343	2	1600
PawPaw Creek	OK121600-06-0240G	Craig	CIP	16732	05/18/99	9	114.16	29	368	18.1	7.6	82.46089153	56.8	7.54		0.007	0.166		0.58	0.173	0.753	0.01	0.14	4	113	48	6000
PawPaw Creek	OK121600-06-0240G	Craig	CIP	13549	06/15/99	5	2.18	64	970	22.7	4.61	54.20641461	15.1	7.33	0.073	0.006	0.18		0.34	0.259	0.526	**0.002**	0.065	6	560	22	600
PawPaw Creek	OK121600-06-0240G	Craig	CIP	13610	07/13/99	5	9.29	128	1597	23	6.56	78.57715795	8.85	7.42	**0**	**0.001**	0.11		**0.025**	0.111	0.136	0.008	0.036	7	810	12	
PawPaw Creek	OK121600-06-0240G	Craig	CIP	13337	08/17/99	4		149	1702	24.1	4.09	49.92410225	6.23	7.53	**0.01**	**0.0015**	0.058		0.45	0.0695	0.5095	**0.0015**	0.04	8	792	11.5	100
PawPaw Creek	OK121600-06-0240G	Craig	CIP	13531	09/28/99	2	0	147	1199	18	1.9	20.61522288	9.03	7.47	**0**	**0.0025**	0.078		0.38	0.0805	0.4605	**0.0025**	0.048	7	972	11	100
PawPaw Creek	OK121600-06-0240G	Craig	CIP	13464	11/02/99	2	0		1120	11.5	0.54	5.028896332	5	7.59	**0.01**	**0.0005**	0.192		0.78	0.2025	0.9725	0.051	0.112	7	825	6.5	200
PawPaw Creek	OK121600-06-0240G	Craig	CIP	18200	12/06/99	7	21.22	65	284	7.3	8.84	74.78523923	48.4	7.94	0.051	0.01	0.53		0.62	0.591	1.16	0.044	0.166	5	67.8	49	5600
PawPaw Creek	OK121600-06-0240G	Craig	CIP	18093	01/10/00	5	2.81	1.06	1696	5	11.88	95.53719761	4.75	7.96	**0.02**	**0.0025**	0.059		0.34	0.0815	0.4015	**0.002**	0.024	11	1120	9	100
PawPaw Creek	OK121600-06-0240G	Craig	CIP	18013	02/14/00	5	0.63	104	915	5.9	10.86	87.33450892	5.35	7.91	0.033	**0.0005**	**0.01**		**0.05**	0.0435	0.0605	**0**	0.029	10	796	6	100
PawPaw Creek	OK121600-06-0240G	Craig	CIP	17765	03/21/00	6	17.27	89	662	9.8	11.03	97.91737682	13.1	7.95	**0.02**	**0.0015**	**0**		0.64	0.0215	0.6415	**0.0025**	0.044	7.5	178	16	300

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
PawPaw Creek	OK121600-06-0240G	Craig	CIP	21440	06/13/00	6	5.3	78	1221	22.9	5.75	67.61103774	9.63	7.12	0.07	**0.0025**	0.106		0.47	0.1785	0.5785	**0.002**	0.083	9.5	586	15	100
PawPaw Creek	OK121600-06-0240G	Craig	CIP	19049	07/18/00	5	2.39	139	1761	26.2	3.66	46.38726913	9.73	7.35	**0.025**			0.08	0.25	0.105	0.33	0.019	0.061	**2.5**	827	10	100
PawPaw Creek	OK121600-06-0240G	Craig	CIP	19314	08/22/00	2	0	111	673	25.8	4.32	53.75548409	12.3		**0.025**			0.09	0.39	0.115	0.48	0.02	0.052	**2.5**	170	18	60
PawPaw Creek	OK121600-06-0240G	Craig	CIP	21525	09/25/00	2	0	124	650	16.9	2.03	21.13129191	11.1	7.74	**0.025**			**0.025**	0.58	0.05	0.605	0.017	0.062	**2.5**	205	28	600
PawPaw Creek	OK121600-06-0240G	Craig	CIP	21844	10/31/00	2	0		842	19.4	0.24	2.657458537	10.8	7.11	**0.025**			**0.025**	0.94	0.05	0.965	0.252	0.361	**2.5**	185	24	130
PawPaw Creek	OK121600-06-0240G	Craig	CIP	22038	12/04/00	4	0.31	141	1043	5.8	5.16	41.49595452	2.88	7.4	**0.025**			**0.025**	0.55	0.05	0.575	0.011	0.054	**2.5**	297	1	50
PawPaw Creek	OK121600-06-0240G	Craig	CIP	22312	01/17/01	5	5.44	93	917	0.5	11.95	83.92305631	9.3	7.74	**0.025**			1.03	0.29	1.055	1.32	0.011	0.037	**2.5**	290	7	40
PawPaw Creek	OK121600-06-0240G	Craig	CIP	22532	02/21/01	6	20.01	67	1047	6.5	14.38	118.6189293	9.22	7.69	**0.025**			0.94	0.36	0.965	1.3	0.012	0.04	**2.5**	427	28	90
PawPaw Creek	OK121600-06-0240G	Craig	CIP	22767	03/27/01	5	7.69	78	690	8	11.75	101.8402283	4.45	7.72	**0.025**			0.1	0.25	0.125	0.35	0.008	0.013	**2.5**	432	20	10
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	16735	04/27/99	9		62	118	14.8	9.85	98.60716955	27.2	7.63		**0.002**	0.84		0.34	0.842	1.182		0.11	3.5	1.28	20.5	10000
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	16736	05/25/99	9	40.14	85	106.2	15.2	8.88	90.83874643	3.5	7.3		**0.0015**	1.04		0.1	1.0415	1.1415	0.019	0.04	5	**1**	1	200
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	13622	06/22/99	6	20.58	149	197.6	15.9	9.13	93.39614357	3.38	7.48	**0**	**0.0005**	1.01		0.06	1.0105	1.0705	0.018	0.035	4	9.54	2	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	13310	07/20/99	6	18.01	164	192.7	16.8	11	115.0387335	2.17	7.93	0.053	**0.0025**	0.82		0.08	0.8755	0.9025	0.014	0.035	7	7.49	2	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	13365	08/24/99	5	5.53	157	309.8	16	8.63	90.25311547	0.93	7.47	**0**	**0.0005**	1.2		0.06	1.2005	1.2605	0.032	0.035	5	7.78	1	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	13237	10/05/99	5	5.27	191	220.4	13.5	8.26	80.88201172	3.49	8.13	**0.01**	**0.0025**	1.22		0.1	1.2325	1.3225	0.023	0.036	4.8	7.64	4	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	13271	11/08/99	5	4.31	139	323	14.8	9.5	95.10336149	8.99		**0.01**	**0.0015**	1.15		0.52	1.1615	1.6715	0.023	0.037	5	8.57	11	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	18170	12/13/99	6	29.78	74	151	14	9.76	97.70619034	4.51	7.87	**0**	**0.0005**	1.78		0.1	1.7805	1.8805	0.022	0.052	5	9	3	200
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	17288	01/18/00	5	5.26	99	280.08	12.6	11.36	108.756118	0.75	8.16	**0**	**0.001**	1.28		0.13	1.281	1.411	0.017	0.028	6	7.02	3	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	18088	02/23/00	5	6.16	144	280.1	14.9	11.4	114.1240338	1.36	8.29	**0.025**	**0.002**	1.11		**0.04**	1.137	1.152	0.018	0.018	6	7.62	4	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	17817	03/28/00	5	9.77	100	252	14.5	12.89	129.0402452	1.91	7.65	**0.01**	**0.0015**	0.99		0.16	1.0015	1.1515	0.017	0.037	4	7.28	3.5	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	18686	05/08/00	6	18.8	99	237	16.1	9.99	104.4760862	3.18	7.6	0.387	**0.002**	0.79		0.5	1.179	1.292	0.018	0.041	5	7.68	3	100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	21417	06/12/00	5	8.48	117	282	17.2	8.54	91.16291308	5.5	7.19	0.053	**0.002**	1.07		0.12	1.125	1.192	0.012	0.074	5	7.87	5	1100
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	19067	07/17/00	5	12.9	110	267	17.9	10	106.7481418	7.19	7.5	**0.025**			0.98	0.09	1.005	1.07	**0.0025**	0.045	**2.5**	5	1	40
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	19300	08/21/00	4	4.92	123	296	19.2	10.36	115.2487983	2.16		**0**			1.18	**0.025**	1.18	1.205	0.021	0.058	**2.5**	**2.5**	6	50
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	21716	09/25/00	4	4.07	129	316	15.3	9.28	94.93058186	3.4	7.55	**0.025**			**0.025**	0.19	0.05	0.215	0.033	0.066	**2.5**	7.1	2	
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	21830	10/30/00	4	3.63	139	348	18.1	9.6	104.6470672	0.99	7.75	0.05			0.94	0.09	0.99	1.03	0.016	0.029	**2.5**	**2.5**	1	110
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	22046	12/06/00	4	3.22	139	367	10.6	10.08	92.1349179	2.27	8.29	**0.025**			1.26	0.2	1.285	1.46	0.02	0.035	**2.5**	**2.5**	1	10
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	22305	01/16/01	5	5.13	104	306	9.9	10.53	93.914797	2.03	8.31	**0.025**			1.69	0.11	1.715	1.8	0.021	0.034	**2.5**	16.5	1	
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	22503	02/20/01	5	19.21	85	216	12.7	10.05	96.21469945	2.13	7.49	**0.025**			1.96	0.11	1.985	2.07	0.016	0.03	**2.5**	6.5	1	10
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	22687	03/26/01	5	11.09	92	123.8	12.4	10.66	102.0545966	1.56	7.56	**0.025**			1.42	0.15	1.445	1.57	0.011	0.017	**2.5**	5.9	8	10
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	16725	04/27/99	9		65	125	16.1	9.58	100.2781013	58.3	7.9		**0.002**	0.5		0.36	0.502	0.862		0.09	4	2.22	36.5	10000
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	16726	05/25/99	9	46.21	96	112	18.1	7.97	86.95675744	1.13	7.84		**0.0025**	0.2		0.05	0.2025	0.2525	**0.0015**	0.018	8	**1**	1	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	13624	06/22/99	6	21.45	127	236	20.7	7.46	84.80244313	0.61	7.74	**0**	**0.0025**	0.44		**0.025**	0.4425	0.4675	0.014	0.025	6	9.32	1	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	13308	07/21/99	6	20.64	1.03	240	24.9	9.02	110.714391	1.18	8.12	**0.02**	**0.0025**	0.05		0.16	0.0725	0.2125	**0.0025**	0.014	7.5	1.85	3.5	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	13366	08/24/99	5	7.52	137	279.5	24.2	7.01	86.0430023	0.38	7.89	0.037	**0.0005**	0.31		**0.037**	0.3475	0.3475	0.02	0.026	5	4.1	1	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	13240	10/05/99	5	5.46	152	224.7	16.2	8.03	84.05356512	0.55	9.02	**0**	**0.0025**	0.44		**0.05**	0.4425	0.4925	0.016	0.024	6.5	7.33	1.33	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	13269	11/08/99	5	4.3	119	301	15.2	9.79	100.2374582	2.33		**0.01**	**0.001**	0.22		0.28	0.231	0.501	0.013	0.022	6	7.83	1.5	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	18172	12/13/99	5	27.78	81	172.3	9.9	10.84	96.76629697	0.78	8.11	**0**	**0.0025**	1.03		**0.035**	1.0325	1.0675	0.016	0.039	8	10.6	1	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	18101	01/18/00	5	7.52	90	272.1	8.5	11.3	98.48509831	0.55	8.13	**0**	**0.0025**	0.451		**0.05**	0.4535	0.5035	0.005	0.016	6.5	8.59	1	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	18086	02/23/00	5	12.48	127	267.3	12.3	11.83	113.3572489	0.37	8.32	**0.025**	**0.001**	0.38		0.11	0.406	0.491	**0**	**0.002**	8	7.27	3	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	17815	03/28/00	5	13.51	117	268	12.8	12.75	122.1728591	0.58	7.92	**0**	**0.001**	0.34		**0.045**	0.341	0.386	0.006	0.019	7.8	8.49	1	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	18688	05/08/00	6	24.11	114	286	19.2	9.04	100.6547484	0.56	7.96	**0**	0.005	0.3		0.13	0.305	0.435	0.006	0.026	8	7.91	1	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	21419	06/12/00	5	14.85	118	285	21.4	7.83	90.70862407	0.59	7.91	0.062	**0.0005**	0.52		0.14	0.5825	0.6605	0.01	0.051	7	6.43	1.5	100
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	19069	07/17/00	5	13.69	114	270	25.1	6.89	86.21222112	0.85	7.88	**0.025**			0.43	0.09	0.455	0.52	0.007	0.108	**2.5**	**2.5**	1	70
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	19302	08/21/00	4	5.32	126	271	27.1	8.65	112.1826779	0.69		**0**			0.31	**0.025**	0.31	0.335	0.016	0.028	**2.5**	5.9	6	30
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	21718	09/25/00	4	5.12	112	274	18.6	8.47	92.41201198	0.72	7.83	**0.025**			**0.025**	0.19	0.05	0.215	**0.0025**	0.012	**2.5**	**2.5**	1	300
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	21832	10/30/00	4	4.41	130	324	20	9.74	110.7206161	0.2	7.83	**0.025**			0.21	0.12	0.235	0.33	0.012	0.021	**2.5**	**2.5**	1	10
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	22048	12/06/00	4	3.63	122	308	7	11.37	96.72409363	1.15	8.08	**0**			0.4	**0.025**	0.4	0.425	0.008	0.021	**2.5**	**2.5**	1	10
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	22307	01/16/01	5	8.45	102	309	14.3	13.07	130.9595086	1.03	8.36	**0**			0.65	**0.025**	0.65	0.675	0.009	0.02	**2.5**	5.6	1	10
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	22505	02/20/01	6	25.77	102	250	8.1	12.75	111.1225667	0.62	8.28	**0.025**			0.87	0.08	0.895	0.95	0.006	0.015	**2.5**	6.9	1	10
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	22689	03/26/01	5	15.84	106	160.8	10.9	11.88	108.6849346	0.82	8.25	**0.025**			0.41	0.15	0.435	0.56	**0**	**0.0025**	**2.5**	6.3	1	10
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	16675	04/27/99	9	71.51	63	111	15	9.16	93.70303123	39.8	7.46		**0.002**	0.39		0.34	0.392	0.732		0.08	3.5	1.46	11.5	10000
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	16739	05/25/99	7	11.55	114	114	18	7.62	83.06360963	1.88	7.66		**0.0025**	0.42		0.06	0.4225	0.4825	0.019	0.034	5.5	**1**	1	200
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	13623	06/22/99	5	3.66	99	240.2	20.2	6.6	74.95908655	1.31	7.55	**0**	**0.0025**	0.35		**0.025**	0.3525	0.3775	0.023	0.036	4.5	13.5	1	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	13307	07/20/99	5	3.01	134	262.5	24.2	5.8	71.12730352	0.77	7.7	**0.02**	**0.0005**	0.38		0.1	0.4005	0.4805	0.025	0.041	5	3.98	1	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	13434	08/24/99	5		155	337	22.5	5.07	59.89341985	0.27	7.69	**0**	**0.0005**	0.32		0.01	0.3205	0.3305	0.039	0.042	3	11.6	1	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	13400	10/05/99	5	0.38	177	259.3	13.9	8.28	81.07785195	0.5	7.91	**0**	**0.0025**	0.34		**0.035**	0.3425	0.3775	0.036	0.044	4.2	11.8	1	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	13270	11/08/99	4	1	162	358	14.2	7.72	77.28399481	2.99		**0**	**0.001**	0.183		0.31	0.184	0.494	0.029	0.039	4.5	12.9	1	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	18171	12/13/99	5	4.52	114	187.9	9.8	10.09	89.99053197	1.75	8.26	**0**	**0.0005**	0.77		**0.02**	0.7705	0.7905	0.033	0.053	5	14.8	1	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	18100	01/18/00	5	0.82	129	309.5	9	11.23	100.1579459	0.47	8.09	**0**	**0.0005**	0.276		**0.05**	0.2765	0.3265	0.016	0.027	4.5	14.1	3	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	18087	02/23/00	5	2.65	155	297.3	13.4	11.36	111.2372461	0.75	8.15	**0.025**	**0.0005**	0.23		0.21	0.2555	0.4405	0.019	0.02	6	15.4	1	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	17816	03/28/00	5	1.73	124	310	13.9	11.63	113.8810891	0.66	7.78	**0.01**	**0.001**	0.36		0.11	0.371	0.471	0.018	0.034	4.5	14	3.5	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	18687	05/08/00	5	5.03	117	272	19	6.93	77.09210159	2.12	7.62	**0**	**0.002**	0.32		0.42	0.322	0.742	0.023	0.048	5	4.36	3	200
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	21418	06/12/00	5	1.88	134	312	20.9	6.28	71.3247066	1.37	7.51	0.074	**0.0005**	0.41		0.12	0.4845	0.5305	0.031	0.073	5	10.3	0.5	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	19068	07/17/00	5	2.13	135	288	24.5	5.47	67.08040521	1.15	7.57	0.05			0.41	0.14	0.46	0.55	0.033	0.065	**2.5**	6.3	1	10
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	19301	08/21/00	4	0.05	59	316	25.8	6.37	79.63424332	0.83		**0**			0.34	**0.025**	0.34	0.365	0.039	0.055	**2.5**	**2.5**	3	100
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	21717	09/25/00	4	0.14		323	16.7	7.78	81.36375879		7.79	**0.025**			**0.025**	0.07	0.05	0.095	0.027	0.038	**2.5**	7.3	1	40
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	21831	10/30/00	4	0.49	147	380	19.4	7.75	86.21411073	0.34	7.61	**0.025**			0.14	0.12	0.165	0.26	0.023	0.037	**2.5**	8.2	1	70
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	22047	12/06/00	4	0.24	175	359	6.1	11.47	95.05608566	0.9	7.97	**0**			0.21	**0.025**	0.21	0.235	0.021	0.031	**2.5**	6.2	1	90
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	22306	01/16/01	5	0.58	111	347	4.1	12.78	100.572407	0.94	8.16	**0.025**			0.46	0.06	0.485	0.52	0.017	0.025	**2.5**	12.5	1	10

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	22504	02/20/01	5	3.59	86	252	8.1	11.83	103.0119568	0.95	7.98	**0.025**			1.08	0.07	1.105	1.15	0.021	0.034	**2.5**	9.2	1	30
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	22688	03/26/01	5	1.5	98	187	10.4	11.26	102.9205531	0.85	8.03	**0.025**			0.05	0.1	0.075	0.15	0.01	0.016	**2.5**	10	2	10
Pryor Creek	OK121610-00-0090N	Mayes	CIP	17208	04/19/99	5	25.16	74	186.1	16.8	10.96	113.9526942	17	7.76		**0.0015**	**0**		0.43	0.0015	0.4315		0.074	9	56.8	26.5	10600
Pryor Creek	OK121610-00-0090N	Mayes	CIP	16742	05/17/99	9	311.85	55	145.6	20.1	6.3	71.13503285	346	7.26		0.015	0.434		0.77	0.449	1.219	0.01	0.41	5	29	670	40000
Pryor Creek	OK121610-00-0090N	Mayes	CIP	13557	06/14/99	7	42.31	54	180.9	24.2	6.28	76.56506079	36.8	7.31	0.11	0.018	0.42		0.78	0.548	1.218	0.014	0.134	7.5	11.9	40	700
Pryor Creek	OK121610-00-0090N	Mayes	CIP	13379	07/13/99	5		78	228	23.6	7.28	87.09794105	3	7.18	**0.025**	0.009	0.53		0.19	0.564	0.729	0.007	0.082	9.5	42.2	38	100
Pryor Creek	OK121610-00-0090N	Mayes	CIP	13512	08/16/99	2	0	98	311.7	26.4	8.18	103.5511809	69.5	6.14	**0.02**	0.01	0.33		1	0.36	1.34	0.007	0.18	14	37.2	72	300
Pryor Creek	OK121610-00-0090N	Mayes	CIP	13567	09/27/99	2	0.5	97	248.8	21.7	9.94	114.3790939	59.9	7.71	**0**	**0.0005**	0.185		0.64	0.1855	0.8255	**0.0025**	0.114	25.5	39.5	56.5	200
Pryor Creek	OK121610-00-0090N	Mayes	CIP	13252	11/01/99	2	0		293.1	16.5	2.94	30.56760227	27.8		**0**	**0.0025**	0.128		0.72	0.1305	0.8505	0.008	0.056	29	47.4	24	100
Pryor Creek	OK121610-00-0090N	Mayes	CIP	18195	12/07/99	5	16.33	13	87.6	6.7	9.52	78.43611846	58.7	8.68	0.067	0.008	0.48		0.62	0.555	1.108	0.015	0.201	5	34.1	90	4100
Pryor Creek	OK121610-00-0090N	Mayes	CIP	18252	01/10/00	5	8.4	49	289	5.3	11.27	90.52405614	19.8	7.8	**0**	**0.0005**	0.31		0.44	0.3105	0.7505	**0.002**	0.085	10	60	27	300
Pryor Creek	OK121610-00-0090N	Mayes	CIP	18026	02/14/00	5	1.58	46	305	5.7	10.44	83.85724455	15.1	7.41	0.036	**0.0005**	0.088		0.47	0.1245	0.5585	**0.0025**	0.049	11.5	67	14	100
Pryor Creek	OK121610-00-0090N	Mayes	CIP	17297	03/20/00	6	21.72	37	244	8	10.56	91.41752255	30.1	8.38	**0**	0.006	0.136		0.52	0.142	0.662	0.006	0.108	8.2	69.6	20	1700
Pryor Creek	OK121610-00-0090N	Mayes	CIP	18638	05/01/00	9	799.4	32	167	17.8	6.6	70.04334791	563	7.97	0.055	0.014	0.64		2.37	0.709	3.024	**0**	0.848	6	33.8	675	
Pryor Creek	OK121610-00-0090N	Mayes	CIP	21360	06/05/00	5	10.14	72	245	21.6	5.97	68.69649804	48.1	7.26	0.06	0.012	0.37		0.61	0.442	0.992	0.011	0.139	8.5	40.6	58	400
Pryor Creek	OK121610-00-0090N	Mayes	CIP	19055	07/10/00	5	6.26	61	245	27.1	5.4	69.56277606	92.7	7.55	**0.025**			0.2	0.81	0.225	1.01	0.033	0.218	5.7	37.1	2	1200
Pryor Creek	OK121610-00-0090N	Mayes	CIP	19149	08/15/00	2	0	63	223	26.4	3.93	49.75013949	85.5		0.11			0.15	0.59	0.26	0.74	0.056	0.387	**2.5**	36	48	70
Pryor Creek	OK121610-00-0090N	Mayes	CIP	21475	09/18/00	2	0	102	295	20.9	3.51	39.63237544	36.3	7.35	0.13			**0.025**	0.94	0.155	0.965	0.028	0.174	6.4	19.8	18	
Pryor Creek	OK121610-00-0090N	Mayes	CIP	21798	10/24/00	2	0	115	323	18.6	0.91	9.861883273	39.2	7.47	0.07			**0.025**	0.82	0.095	0.845	0.021	0.047	6.2	24	20	100
Pryor Creek	OK121610-00-0090N	Mayes	CIP	22014	11/28/00	4		104	275	6.3	3.91	32.21483437	29.1		**0.025**			**0.025**	0.76	0.05	0.785	0.034	0.13	8	18.6	21	90
Pryor Creek	OK121610-00-0090N	Mayes	CIP	22294	01/08/01	5									1.75			0.67	13.2	2.42	13.87	0.039	0.117	137	98.3	46	300
Pryor Creek	OK121610-00-0090N	Mayes	CIP	22571	02/13/01	7		23	187	5.5	11.04	88.67662642	68	7.44	0.15			1.26	0.95	1.41	2.21	0.09	0.15	5	48.1	56	18000
Pryor Creek	OK121610-00-0090N	Mayes	CIP	22683	03/20/01	5	50.87	39	135.5	8.7	10.01	86.65619325	18.5	7.38	**0.025**			0.5	0.5	0.525	1	0.018	0.053	**2.5**	51.7	22	80
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	17217	04/20/99	2	0	179	382	21.1	8.81	101.609993	14.5	8.73		**0.0005**	**0**		0.43	0.0005	0.4305		0.04	41	67	8	17200
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	16627	05/18/99	9		171	217	24.1	8.82	107.7804068	53.1	7.71		**0.001**	**0.025**		0.63	0.026	0.656	**0.0001**	0.07	19	39.7	17.5	3800
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	13394	06/15/99	2	0	99	246	24.3	7.93	96.90460615	21.8	7.51	0.058	0.008	**0.0315**		0.41	0.0975	0.4495	**0**	0.057	22	4	12	100
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	13604	07/13/99	2	0	84	320	27	8.92	115.1723545	7.16	6.86	**0.025**	**0.0025**	0.064		0.27	0.0915	0.3365	**0.0025**	0.028	30	30.1	9	
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	13328	08/17/99	2	0	98	482	26.5	6.97	88.43715766	8.23	7.44	**0**	**0.0005**	0.074		0.31	0.0745	0.3845	**0.0001**	0.036	51	27.3	6	100
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	13553	09/28/99	2	0	76	276	17.7	7.04	74.88517781	39.4	7.9	**0**	**0.001**	0.116		0.26	0.117	0.377	**0.0025**	0.048	25	34.6	25.5	600
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	13244	11/02/99	2	0	75	398	12.9	6.51	62.1039519	13.8	6.43	**0**	**0.0025**	**0.01**		0.28	0.0125	0.2925	**0.0025**	0.01	45	44.9	15	100
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	18226	12/07/99	2	0	56	222	7.1	8.35	70.71871736	46.4		**0**	**0.002**	**0**		0.57	0.002	0.572	**0**	0.071	20	54	27.5	3600
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	18116	01/11/00	2	0	78	310	4.8	9.42	73.86892448	15.6		**0**	**0.0025**	0.051		**0.05**	0.0535	0.1035	**0.0001**	0.023	33	46.4	8	100
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	18077	02/15/00	5	1.2	80	458	6.3	11.35	93.72927385	11.4		0.031	**0.0005**	**0.01**		0.15	0.0415	0.1605	**0.0025**	0.028	47	57.6	11.5	100
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	17776	03/21/00	7	19.59	55	200	11	10.98	102.3683117	34.4		**0**	**0.002**	**0**		0.42	0.002	0.422	**0.0015**	0.054	20	47	15	200
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	18643	05/01/00	7	331.44	25	144.7	17.2	8.32	88.50066469	126	7.08	**0**	0.019	0.21		1.28	0.229	1.509	**0**	0.186	15	**0.45**	168	7000

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	21365	06/05/00	6	36.07	117	967	24.2	5.76	70.38720447	18.3	7.35	**0**	**0.0025**	0.073		0.5	0.0755	0.5755	0.005	0.096	27	35.3	31	100
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	18808	07/10/00	5	1.21	67	320.9	28.8	5.94	78.07031482	6.27	7.69	**0.025**			**0.025**	0.45	0.05	0.475	0.006	0.025	25.2	23.1	8	10
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	19128	08/14/00	5	0.18	53	340.5	26.7	5.89	74.73383911	7.45	7.51	**0.025**			0.09		**0.115**		0.008	0.03	14.9	21.3	4	10
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	21466	09/18/00	2	0	73	1090	19.7	6.35	70.39037164	2.47		0.11			**0.025**	0.5	0.135	0.525	0.008	0.017	272	24.8	7	
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	21783	10/23/00	4	0.11	70	365.2	17.4	7.84	83.39485711	2.84	7.88	**0.025**			0.2	0.32	0.225	0.52	0.005	0.021	77.5	24.6	1	
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	21999	11/27/00	5	0.55	57	208	4.9	11.96	93.78687227	5.46	7.52	**0.025**			**0.025**	0.26	0.05	0.285	0.008	0.02	29.9	63.5	4	
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	22154	01/08/01	7	52.9	38	134.6	0.3	13.61	95.68762799	34.6	8.27	0.05			0.63	0.47	0.68	1.1	0.029	0.058	37.9	48.4	18	
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	22484	02/12/01	6	17.46	31	100.3	4	12.8	100.3739101	66.1	6.98	**0.025**			0.28	0.52	0.305	0.8	0.06	0.093	11	38.1	32	
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	22701	03/19/01	6	19.56	33	205.5	8.6	10.44	90.58708268	33.8	8.22	**0.025**			0.18	0.31	0.205	0.49	0.026	0.048	14.3	38.3	30	
Bird Creek	OK121300-03-0010A	Osage	COTP	17223	04/20/99	5	22.19	174	377	18.5	11.76	127.6969995	13.6	8.51		**0.002**	**0**		0.33	0.002	0.332		0.04	25	22.3	11	
Bird Creek	OK121300-03-0010A	Osage	COTP	16630	05/18/99	9		149	340	23.7	9.11	109.2068278	52.2	8.13		0.006	**0.025**		0.43	0.031	0.461	**0.0015**	0.11	28	**1**	39.5	4000
Bird Creek	OK121300-03-0010A	Osage	COTP	13393	06/15/99	9		109	342	24.1	10.31	125.9460521	61.3	7.81	0.082	0.014	0.22		0.53	0.316	0.764	0.006	0.075	15.5	**1**	31	100
Bird Creek	OK121300-03-0010A	Osage	COTP	13605	07/13/99	7		74	269	27.2	9.06	116.9408506	30.6	6.93	**0.025**	0.006	0.09		0.43	0.121	0.526	**0.0025**	0.058	19	2.64	27.5	
Bird Creek	OK121300-03-0010A	Osage	COTP	13329	08/17/99	4	8.93	98	361	27.9	10.04	129.5900817	11.6	7.2	**0**	**0.001**	0.091		0.43	0.092	0.522	**0.0015**	0.053	28	4	11	100
Bird Creek	OK121300-03-0010A	Osage	COTP	13554	09/28/99	7		78	247	19	7.28	80.6725105	39	7.86	0.086	0.008	0.174		0.58	0.268	0.762	**0.0025**	0.076	21	**1**	33	600
Bird Creek	OK121300-03-0010A	Osage	COTP	13550	11/02/99	5	32.53	97	371	14.2	7.8	77.78294952	14.8	7.08	**0.02**	0.008	0.193		0.24	0.221	0.441	0.007	0.03	44	25.9	20.5	600
Bird Creek	OK121300-03-0010A	Osage	COTP	18218	12/07/99	7		78	224	7.9	10.02	84.83406572	163		**0**	0.007	**0.01**		0.91	0.017	0.927	0.015	0.224	18	10	126	6000
Bird Creek	OK121300-03-0010A	Osage	COTP	18115	01/11/00	5	15.82	78	314	5.1	10.48	84.34440473	12.7		**0**	**0.001**	0.094		**0.05**	0.095	0.145	**0.0001**	0.032	28	19.6	9	100
Bird Creek	OK121300-03-0010A	Osage	COTP	18078	02/15/00	5	18.85	202	557	7.4	12.32	104.3069551	8.53		**0**	**0.001**	0.099		0.21	0.1	0.31	**0.0025**	0.03	41	24	8.5	100
Bird Creek	OK121300-03-0010A	Osage	COTP	17775	03/21/00	7		127	306	9.6	11.48	101.9917594	43.8		**0.01**	**0.0025**	0.131		0.73	0.1435	0.8635	0.009	0.081	17	8.82	32	700
Bird Creek	OK121300-03-0010A	Osage	COTP	18644	05/01/00	7		59	162.8	17.8	8.72	92.7244682	230	7.24	**0**	0.028	0.25		1.19	0.278	1.468	0.015	0.238	15	**0.2**	200	9500
Bird Creek	OK121300-03-0010A	Osage	COTP	21366	06/05/00	6	156.99	62	670	23.8	5.53	66.29130159	34.3	7.43	**0.015**	0.007	0.14		0.59	0.162	0.737	0.009	0.103	19	6.6	28	100
Bird Creek	OK121300-03-0010A	Osage	COTP	18818	07/10/00	5	34.49	152	323.8	29.4	6.69	89.5026581	7.26	8.03	0.07			**0.025**	0.36	0.095	0.385	**0.0025**	0.04	18.6	12.2	10	30
Bird Creek	OK121300-03-0010A	Osage	COTP	19129	08/14/00	5	19.52	80	259.5	27.6	5.82	75.12094379	13.8	7.56	**0.025**			0.05	0.5	0.075	0.55	0.012	0.061	20.8	13.9	4	20
Bird Creek	OK121300-03-0010A	Osage	COTP	21467	09/18/00	5	20.41	50	209.6	22.8	6.18	72.72390147	13.5		0.2			0.11	0.52	0.31	0.63	0.015	0.02	19.1	9.5	20	
Bird Creek	OK121300-03-0010A	Osage	COTP	21784	10/23/00	5	27.72	37	172.3	18.1	7.87	85.45709067	16	7.76	**0.025**			0.25	0.43	0.275	0.68	0.013	0.029	21	7.1	16	
Bird Creek	OK121300-03-0010A	Osage	COTP	22000	11/27/00	5	15.79	43	123.4	6.9	9.84	81.23237471	12.4	7.19	**0.025**			0.28	0.34	0.305	0.62	0.009	0.042	13.3	11.2	15	
Bird Creek	OK121300-03-0010A	Osage	COTP	22155	01/08/01	6	134.12	112	303	1.3	12.43	89.88638463	12.7	7.81	0.08			0.16	0.52	0.24	0.68	0.012	0.055	89.9	20.7	2	
Bird Creek	OK121300-03-0010A	Osage	COTP	22485	02/12/01	6	106.19	95	351	5.7	11.45	92.15109104	76.4	7.34	0.11			0.44	0.42	0.55	0.86	0.086	0.125	29.4	31.5	56	10
Bird Creek	OK121300-03-0010A	Osage	COTP	22702	03/19/01	6	283.2	100	308.6	9.7	9.7	86.17770608	50.2	8.2	**0.025**			0.31	0.53	0.335	0.84	0.046	0.075	25	30.4	74	
Clear Creek	OK121300-03-0200C	Osage	COTP	17225	04/19/99	5	5.22	181	502	16.1	9.74	101.8615695	3.73	8.74		**0.0005**	**0.025**		0.2	0.0255	0.2255		0.02	42	31.5	3	400
Clear Creek	OK121300-03-0200C	Osage	COTP	16633	05/18/99	5	37.82	139	351	19.9	9.75	108.4629135	34.3			0.006	0.125		0.3	0.131	0.431	**0.002**	0.06	48	12.9	23.5	1700
Clear Creek	OK121300-03-0200C	Osage	COTP	13194	06/14/99	5	6.95	114	305	26.4	8.16	103.903284	21.9	6.63	**0.02**	0.011	0.124		0.31	0.155	0.445	0.005	0.044	21.5	**1**	7	100
Clear Creek	OK121300-03-0200C	Osage	COTP	13444	07/12/99	9	10.03	106	448	27.6	8.57	111.0455937	16.2	7.74	**0.025**	**0.002**	0.088		0.25	0.115	0.34	**0.0025**	0.033	36	21	11.5	200
Clear Creek	OK121300-03-0200C	Osage	COTP	13565	08/16/99	2	0	118	478	27.1	8.71	112.8596407	2.97	8.24	**0**	**0.001**	0.066		0.2	0.067	0.267	**0.002**	0.024	48	20.9	2.5	900

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Clear Creek	OK121300-03-0200C	Osage	COTP	13552	09/27/99	6	13.54	78	547	18.9	8.87	96.68952984	13.4	8.14	**0**	0.006	0.111		0.23	0.117	0.347	**0.0025**	0.035	72	22	11.5	600
Clear Creek	OK121300-03-0200C	Osage	COTP	13242	11/01/99	5	12.37	134	609	16.8	9.39	98.20124615	5.42	8.01	**0**	**0.001**	0.033		0.41	0.034	0.444	0.005	0.012	80	21.9	5	100
Clear Creek	OK121300-03-0200C	Osage	COTP	18230	12/06/99	6	40.14	118	378	8.5	11.12	96.82949787	106		**0**	0.007	**0**		0.48	0.007	0.487	0.011	0.152	39	7.7	98.5	9000
Clear Creek	OK121300-03-0200C	Osage	COTP	18106	01/10/00	5	5.31	171	678	5.8	11.81	95.41734981	3.97		**0**	**0.0025**	0.052		0.24	0.0545	0.2945	**0.0001**	0.013	72	24.8	2	100
Clear Creek	OK121300-03-0200C	Osage	COTP	18073	02/14/00	5	3.91	206	717	5.9	12.77	103.1735442	4.89		0.031	**0.0005**	**0.01**		**0.05**	0.0415	0.0605	**0**	0.012	75	31.9	1.5	100
Clear Creek	OK121300-03-0200C	Osage	COTP	17308	03/20/00	6	58.3	176	380	10.2	11.43	104.4744158	31.6		**0**	**0.002**	**0**		0.44	0.002	0.442	**0.0001**	0.054	25	7.11	22	400
Clear Creek	OK121300-03-0200C	Osage	COTP	18650	05/02/00	7	64.15	139	383.2	17.8	7.79	83.15680245	38.6	7.89	**0**	0.007	**0**		0.59	0.007	0.597	**0.0025**	0.066	26	**0.015**	32	4800
Clear Creek	OK121300-03-0200C	Osage	COTP	21372	06/05/00	6	9.94	162	466.5	27.2	8.23	106.6400509	12.4	8.35	**0**	0.006	0.052		0.31	0.058	0.368	0.006	0.095	25	3.62	15	100
Clear Creek	OK121300-03-0200C	Osage	COTP	18806	07/10/00	5	4.99	181	546	32	8.37	118.4354504	4.6	8.24	0.14			**0.025**	0.27	0.165	0.295	**0.0025**	0.038	27.5	15.2	2	70
Clear Creek	OK121300-03-0200C	Osage	COTP	19135	08/14/00	5	0.91	125	557	33.6	10.77	154.9495496	2.21	6.8	**0.025**			**0.025**	0.27	0.05	0.295	**0.0025**	0.016	50.4	17	2	10
Clear Creek	OK121300-03-0200C	Osage	COTP	21473	09/18/00	4	0.79	123	460.2	27.1	12.84	166.3740284	1.84		0.1			**0.025**	0.21	0.125	0.235	**0.0025**	0.009	43	17.6	6	120
Clear Creek	OK121300-03-0200C	Osage	COTP	21790	10/23/00	5	3.15	118	367.4	20.6	8.98	101.9897875	2.74	8.1	**0.025**			**0.025**	0.36	0.05	0.385	0.006	0.011	22.9	16.1	1	110
Clear Creek	OK121300-03-0200C	Osage	COTP	22006	11/27/00	5	2.1	154	382.5	8.2	11.48	99.96426579	2.74	7.87	**0.025**			**0.025**	0.14	0.05	0.165	**0.0025**	0.027	80.3	19	4	10
Clear Creek	OK121300-03-0200C	Osage	COTP	22161	01/09/01	7	28.43	190	635	1.7	15.3	111.0699746	8	7.42	**0.025**			0.26	0.24	0.285	0.5	0.006	0.029	237	17.9	9	
Clear Creek	OK121300-03-0200C	Osage	COTP	22491	02/12/01	6	24.32	135	355.5	5.4	11.13	89.92337878	108	8.26	0.08			0.39	0.47	0.47	0.86	0.103	0.104	15.6	42.4	62	16000
Clear Creek	OK121300-03-0200C	Osage	COTP	22708	03/19/01	6	23.67	168	295.5	10.8	11.07	101.1838831	25.9	8.38	**0.025**			0.22	0.36	0.245	0.58	0.02	0.034	30	31.6	22	30
Buck Creek	OK121400-04-0050C	Osage	COTP	17218	04/20/99	5	4.43	75	293	18.2	9.28	100.7527172	20.3	7.91		**0.001**	**0.025**		0.57	0.026	0.596		0.04	33	10.1	9	2900
Buck Creek	OK121400-04-0050C	Osage	COTP	16652	05/18/99	6	17.19	139	205.3	23.3	7.55	90.49275008	8.52	7.77		**0.0025**	0.282		0.17	0.2845	0.4545	**0.0025**	0.04	46	36.8	11.5	200
Buck Creek	OK121400-04-0050C	Osage	COTP	13196	06/15/99	5	1.23	87	368	24.7	9.52	116.2781898	10.9	7.82	0.081	0.008	0.125		0.44	0.214	0.573	**0**	0.035	37	23.5	6	100
Buck Creek	OK121400-04-0050C	Osage	COTP	13606	07/13/99	5	1.03	92	341	28.2	7.38	96.94957903	11.6	8.09	**0.025**	**0.002**	0.14		0.45	0.167	0.592	**0.0015**	0.047	30	26.8	12	
Buck Creek	OK121400-04-0050C	Osage	COTP	13330	08/17/99	2	0								**0**	0.005	0.13		0.44	0.135	0.575	**0.0001**	0.054	51	45	11	100
Buck Creek	OK121400-04-0050C	Osage	COTP	13544	09/28/99	6	2.19	79	463	18.2	6.75	73.28457338	17.9	8.29	**0.02**	**0.002**	0.172		0.58	0.194	0.754	**0.0025**	0.057	54.5	27.8	18.5	500
Buck Creek	OK121400-04-0050C	Osage	COTP	13403	11/02/99	4	0.49	131	707	11.9	8.79	81.91098638	5.3	7.91	**0**	**0.0025**	0.122		0.23	0.1245	0.3545	**0.002**	0.015	85	60.2	9.5	100
Buck Creek	OK121400-04-0050C	Osage	COTP	18217	12/07/99	5	5.09	88	276	6.9	10.2	84.19177055	97.4		**0**	**0.0025**	**0**		0.59	0.0025	0.5925	**0**	0.113	46	23	70.3	3800
Buck Creek	OK121400-04-0050C	Osage	COTP	18114	01/11/00	5	1.43	98	583	4.9	11.98	93.898309	8.44		**0**	**0.0025**	0.069		0.19	0.0715	0.2615	**0.0001**	0.031	76	44.1	2	100
Buck Creek	OK121400-04-0050C	Osage	COTP	18075	02/14/00	5	5.69	121	480	8.2	10.9	94.5327633	3.62		0.023				**0.023**				0.009	8	32.9	3	100
Buck Creek	OK121400-04-0050C	Osage	COTP	17774	03/21/00	7	9.46	75	260	10.5	10.46	95.22442703	33.1		**0.02**	**0.0015**	0.074		0.62	0.0955	0.6955	**0.0001**	0.059	30	10.4	16	100
Buck Creek	OK121400-04-0050C	Osage	COTP	18654	05/02/00	6	34.26	53	210	19.1	6.48	71.79672243	58.1	7.41	**0**	0.019	0.078		0.99	0.097	1.087	**0.0025**	0.108	26	**0.37**	35	3300
Buck Creek	OK121400-04-0050C	Osage	COTP	21391	06/06/00	5	3.06	146	392.2	23.3	6.26	75.0310749	8.79	7.78	**0.01**	0.012	0.129		0.41	0.151	0.551	**0.002**	0.094	42	28	16	100
Buck Creek	OK121400-04-0050C	Osage	COTP	18822	07/11/00	5	1.19	160	432.4	29.7	5.11	68.35434654	5.46	7.61	**0.025**			**0.025**	0.36	0.05	0.385	0.006	0.038	29.7	21.6	2	50
Buck Creek	OK121400-04-0050C	Osage	COTP	19139	08/15/00	4	0.01		210.4	27	5.51	71.10908164	10.2		**0.025**			0.21	0.45	0.235	0.66	0.025	0.06	51.9	34.8	6	20
Buck Creek	OK121400-04-0050C	Osage	COTP	21498	09/19/00	2	0	127	578	21.1	9.1	104.9039848	5.71		0.11			**0.025**	0.35	0.135	0.375	**0.0025**	0.038	79.1	41.8		10
Buck Creek	OK121400-04-0050C	Osage	COTP	21811	10/24/00	2	0	88	315.1	19	7.68	85.09241177	21.8	7.72	**0.025**			**0.025**	0.48	0.05	0.505	0.011	0.03	14.9	34.8	22	20
Buck Creek	OK121400-04-0050C	Osage	COTP	22010	11/28/00	4	0.51	92	484	6.7	11.29	93.18873426	4.11	7.44	**0.025**			**0.025**	0.22	0.05	0.245	0.006	0.033	175	46.6	5	20
Buck Creek	OK121400-04-0050C	Osage	COTP	22165	01/09/01	6	9.04	75	381.8	1.3	12.63	91.31908573	10.3	7.36	**0.025**			0.21	0.27	0.235	0.48	0.009	0.039	128	78.5	10	50

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Buck Creek	OK121400-04-0050C	Osage	COTP	22495	02/13/01	6	13.34	34	295.4	5.2	11.77	94.71240786	52.6	7.25	0.05			0.41	0.49	0.46	0.9	0.042	0.054	43.8	40.2	22	3000
Buck Creek	OK121400-04-0050C	Osage	COTP	22718	03/20/01	5	19.49	69	262.7	10.3	9.71	88.39667175	20.8	7.94	**0.025**			0.41	0.46	0.435	0.87	0.015	0.032	23.7	27.8	30	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	16770	04/27/99	9		50	59.5	18.4	8.78	95.00286494	96	6.34	**0.02**	0.005	**0**		0.71	0.025	0.715		0.13	4	**1**	88	3000
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	16771	05/25/99	9	10.96	32.8	115.6	21.6	7.07	81.22755894	58	5.48	0.061	0.009	0.38		0.85	0.45	1.239	0.012	0.119	8	10.6	29	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	13448	06/22/99	7	4.88	44.3	160.5	25.7	7.46	92.57327125	32.7		**0.01**	**0.002**	0.29		0.51	0.302	0.802	0.005	0.074	5.5	8.83	20	200
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	13296	07/20/99	5	0.33	80	281.6	33.4	7.14	101.9668925	10.8		**0.023**	**0.0005**	0.159		0.38	0.1825	0.5395	0.005	0.047	8	23	11	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	13351	08/24/99	4	0.2	135	452.3	34.2	5.51	79.91650392	5.18	7.36	**0.01**	**0.0015**	0.136		0.58	0.1475	0.7175	**0.0025**	0.024	20	25.6	2	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	13227	10/05/99	5	0.13	57	165.6	20.8	8.58	96.72839811	61.8	7.37	**0.01**	**0.0005**	0.184		0.69	0.1945	0.8745	**0.0025**	0.102	7	**0.5**	30	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	13412	11/09/99	5									**0.01**	**0.0015**	0.22		0.32	0.2315	0.5415	**0.0001**	0.066	17.5	20.7	21	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	18183	12/14/99	6	5.15	30	149.9	7.4	10.39	87.65706447	78.2	7.01	**0.02**	0.006	0.8		0.87	0.826	1.676	0.013	0.135	7	12.5	36.5	700
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	18138	01/19/00	6	0.74	38	144.1	11.3			59	7.39	0.095	**0.002**	0.544		0.57	0.641	1.116	**0.0001**	0.095	8	12.4	14.5	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	18050	02/21/00	5	0.59	57.7	219.9	10.6	9.93	90.09471738	22.1	7.49	**0**	**0.0015**	0.25		0.52	0.2515	0.7715	**0.002**	0.052	13	26.5	15	100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	17812	03/28/00	7	28.36	27	84.1	18.7	8.5	91.97316082	161	7.03	**0**	0.008	0.182		0.93	0.19	1.12	0.006	0.159	4.5	10.4	82	1100
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	18701	05/09/00	7		32	93.1	21.5	6.97	80.07865429	186		0.044	0.012	0.31		1.21	0.366	1.532	0.032	0.38	3.5	**0.2**	140	7500
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	21438	06/13/00	9	41.3	31	78.6	25.8	7.51	93.19373553	73.8	6.52	0.07	0.009	0.106		0.85	0.185	0.965	0.018	0.151	3.5	**0.05**	56	500
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	19028	07/18/00	5	0.71	86	275.2	28.5	5.64	73.84176434	7.35	6.93	**0.025**			**0.025**	0.32	0.05	0.345	0.009	0.036	5.3	18.4	4	40
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	19165	08/22/00	4	0.07	92	279.6	29.3	6.15	81.98865211	12.2	7.06	0.06			0.06	0.36	0.12	0.42	**0.0025**	0.051	5.4	9.5	8	10
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	21531	09/26/00	6	2.16	56	238	18.4	6.1	66.00426835	31.6	7.86	**0.025**			**0.025**	0.52	0.05	0.545	0.078	0.169	**2.5**	28	32	900
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	21814	10/30/00	7	10.45	43	94	19.5	7.62	84.14299755	95.4	8.49	0.09			0.22	0.83	0.31	1.05	0.072	0.081	**2.5**	32.1	54	
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	22118	12/04/00	5	1.61	42	95	3.8	8.17	62.15796429	62.2	8.49	**0.025**			0.19	0.27	0.215	0.46	0.018	0.05	**2.5**	17.4	16	60
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	22282	01/16/01	7	26.45	62	88	3.8	7.5	57.06055474	117	8.25	0.06			0.32	0.43	0.38	0.75	0.024	0.067	**2.5**	33.9	4	
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	22575	02/20/01	7	7.68	35	0.91	6.7	7.73	63.58905341	42.4	8.18	**0.025**			0.19	0.39	0.215	0.58	0.025	0.066	**2.5**	19.4	4	
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	22726	03/26/01	6	9.1	39	193.6	10.4	9.97	90.45763669	22.8	6.42	**0.025**			**0.025**	0.45	0.05	0.475	0.015	0.032	6	24.1	20	
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	16780	04/26/99	9		70	93.2	18	7.28	79.06816107	153	6.61	0.1	0.007	0.11		1.48	0.217	1.597		0.22	6	**1**	150	3000
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	16781	05/24/99	9	60.79	54	253.7	21.3	6.08	70.11575908	67.7	6.81	0.066	0.012	0.6		0.72	0.678	1.332	0.02	0.14	25	7.6	48	600
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	13555	06/21/99	7	34.2	41.4	193.3	22.1	6.23	73.32863981	78.3	6.7	0.095	0.009	0.52		0.92	0.624	1.449	0.04	0.159	14.5	21.8	41	700
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	13476	07/19/99	5	2.37	45.5	234.6	27.6	4.22	54.48129095	36.1		0.051	0.005	0.41		0.51	0.466	0.925	0.013	0.1	24	21.5	26	200
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	13341	08/23/99	5	0.35	51	254	27.6	4.18	53.96488061	24.1	7.13	**0**	**0.0005**	0.09		0.57	0.0905	0.6605	**0.0015**	0.042	33	5.79	10.5	100
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	13497	10/04/99	5	0.47	65.4	284.8	25	4.06	50.57092406	13.6	6.85	**0.015**	**0.0025**	0.118		0.6	0.1355	0.7205	**0.0025**	0.069	22	25.1	27.5	300
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	13255	11/08/99	5	0.38	60	255.1	15	4.78	48.71923873	47.2		0.051	0.005	0.151		0.57	0.207	0.726	0.006	0.107	25	6.3	47	100
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	18182	12/13/99	9	75.46	78	334	8.8	8.48	73.57210384	130	7.01	0.077	0.006	0.37		0.77	0.453	1.146	0.017	0.281	25	41.8	100	3100
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	18137	01/18/00	5	2.39	45	328	11.2			54.2	7.69	**0**	0.007	0.432		0.6	0.439	1.039	**0.0015**	0.099	37	42	19	100
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	18038	02/20/00	5	1.94	56	336.4	8.5	7.7	66.80485844	32	7.37	**0.015**	**0.002**	0.24		0.66	0.257	0.902	**0.002**	0.075	35	45.8	19	100
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	17796	03/27/00	9	510.11	32	72.1	15.7	5.78	58.91154809	1000	6.31	0.108	0.012	0.55		2.91	0.67	3.472	**0.0015**	1.1	10	33.6	1070	8400
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	18669	05/08/00	7	35.02	42.7	197.8	21.8	5.87	67.69399767	95.4	7.22	**0**	0.015	0.46		0.78	0.475	1.255	0.01	0.164	13	26.9	41	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	21404	06/12/00	9	367.46	327	118.3	22.6	6.2	72.97553239	371	6.22	0.115	0.01	0.162		1.67	0.287	1.842	0.034	0.302	6.8	**0.5**	463	6000
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	19037	07/17/00	5	0.71	64.6	263.7	28	4.25	55.85215874	19.4	7.14	**0.025**			**0.025**	0.64	0.05	0.665	0.027	0.071	12.7	22.2	14	210
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	19154	08/21/00	5	0.11	79.1	364.9	25.7	4.48	55.80239896	29.3	7.2	0.06			0.05	0.73	0.11	0.78	0.022	0.103	22.6	16	24	
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	21507	09/25/00	6	10.2	56	205.1	18.8	4.08	44.31292543	29.8	7.42	**0.025**			**0.025**	0.49	0.05	0.515	0.033	0.119	15.4	9.4	22	
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	21839	10/31/00	6	6.08	72	351	20.3	4.2	47.52740154	116	7.41	0.11			0.15	0.62	0.26	0.77	0.091	0.148	37.9	54.8	44	300
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	22268	12/06/00	5	5.1	90	177	5.2	8.57	68.98786497	76.3	7.78	**0.025**			0.48	0.44	0.505	0.92	0.039	0.085	9.9	26	4	10
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	22322	01/17/01	7	40.36	45	87	3.1	11.87	90.64701716	81.3	7.84	**0.025**			0.6	0.38	0.625	0.98	0.024	0.069	12.7	39	8	110
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	22593	02/21/01	9	61.93	51	144	9.6	6.21	55.18381022	45.3	7.4	**0.025**			0.4	0.54	0.425	0.94	0.035	0.075	8.2	29.6	1	500
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	23030	03/27/01	6	15.46	63	210.1	9.8	10.15	90.19576066	31.6	7.78	**0.025**			0.05	0.35	0.075	0.4	0.03	0.067	9.5	31.3	26	80
Glasses Creek	OK310800-01-0020M	Marshall	COTP	17197	04/19/99	5	1.02	207	618	22.8	17.43	205.155408	3.01	8.85	**0.01**	**0.0005**	**0.025**		0.47	0.0355	0.4955		0.519	27	53.7	2	3000
Glasses Creek	OK310800-01-0020M	Marshall	COTP	16796	05/17/99	5	1.91	239	661	23.9	9.16	109.8307063	3.32	7.83	**0.01**	0.015	0.244		0.26	0.269	0.519	0.32	0.39	25	53.5	1.5	200
Glasses Creek	OK310800-01-0020M	Marshall	COTP	13495	06/14/99	5		129.6	373.7	26.6	8.43	106.9500817	15.4		0.065	0.028	0.37		0.76	0.463	1.158	0.176	0.235	10	10.9	13	300
Glasses Creek	OK310800-01-0020M	Marshall	COTP	13440	07/12/99	5	0.38	198	639	28.5	7.15	93.96304352	5.04	8.18	0.292	0.019	0.31		0.81	0.621	1.139	0.856	0.969	33	35.4	5	200
Glasses Creek	OK310800-01-0020M	Marshall	COTP	13316	08/16/99	2	0	179	600	29.3	8.29	110.9331216	3.73	8.06	**0.01**	**0.001**	0.21		0.46	0.221	0.671	0.479	0.577	47	22.2	4.5	100
Glasses Creek	OK310800-01-0020M	Marshall	COTP	13276	09/27/99	5	0.15	111	356.4	26.6	11.36	144.12253	3.07	8.74	**0**	**0.001**	0.113		0.34	0.114	0.454	0.396	0.462	18	37.3	6.5	100
Glasses Creek	OK310800-01-0020M	Marshall	COTP	13526	11/01/99	5	0.2	159	593	17.3	8.38	89.12894641	7.79	7.74	**0.023**	0.012	0.5		1	0.535	1.512	3.61	3.7	50	49	6.5	400
Glasses Creek	OK310800-01-0020M	Marshall	COTP	18232	12/06/99	5	0.26	143	513	9.3	10.8	95.97184386	13	7.83	**0.01**	0.02	0.58		0.66	0.61	1.26	1.64	1.77	36	42.3	11.7	200
Glasses Creek	OK310800-01-0020M	Marshall	COTP	18004	01/10/00	5	0.86	172	577	9.5	12.1	107.5240102	15.33	7.88	0.075	0.02	0.89		1.09	0.985	2	0.938	1.08	33	50	20	100
Glasses Creek	OK310800-01-0020M	Marshall	COTP	18022	02/14/00	5	0.55	210	697	13.4	16.46	160.5891349	13.5	8.86	0.038	**0.001**	0.22		0.9	0.259	1.121	0.15	0.539	42	61	15.5	100
Glasses Creek	OK310800-01-0020M	Marshall	COTP	17300	03/20/00	6	2.71	170	511	17.1	12.09	128.5881816	16.4	8.16	0.095	0.022	0.473		0.64	0.59	1.135	0.331	0.454	16	64	15.5	100
Glasses Creek	OK310800-01-0020M	Marshall	COTP	18635	05/01/00	7	20.05	103	301	19.8	7.42	82.24225052	101		**0**	0.025	0.25		1.26	0.275	1.535	0.191	0.313	11	34	72	4000
Glasses Creek	OK310800-01-0020M	Marshall	COTP	21377	06/05/00	5	0.55	149	499	27.6	8.63	111.415531	14.1	8.22	0.057	0.018	0.4		0.63	0.475	1.048	1.65	2.36	38	38.8	8	100
Glasses Creek	OK310800-01-0020M	Marshall	COTP	18799	07/10/00	5	0.14	164		31.7	11.05	153.0545122	4.31	8.43	**0.025**			**0.025**	0.41	0.05	0.435	0.515	0.574	23	37.8	2	60
Glasses Creek	OK310800-01-0020M	Marshall	COTP	19294	08/14/00	2	0	152	593	30.2	11.16	151.9129916	12.6	9.07	0.07			**0.025**	0.78	0.095	0.805	0.784	0.787	58.4	31.7	2	100
Glasses Creek	OK310800-01-0020M	Marshall	COTP	21781	10/23/00	6	5.53	67	223	20.6	5.63	63.70935016	205	7.87	1.08			0.52	1.87	1.6	2.39	1.18	1.325	7.9	50.7	172	5000
Glasses Creek	OK310800-01-0020M	Marshall	COTP	21991	11/27/00	6	7.54	166	454	10.4	10.7	97.44553159	18.5	7.82	0.3			0.7	0.73	1	1.43	0.045	0.164	9	31.1	10	6000
Glasses Creek	OK310800-01-0020M	Marshall	COTP	22277	01/08/01	6	6.99	179	620	7.8	11.83	100.1807301	9.82	7.66	0.46			0.75	0.96	1.21	1.71	0.332	0.352	17.7	45	2	20
Glasses Creek	OK310800-01-0020M	Marshall	COTP	22482	02/12/01	6	4.3	189	627	8.1	13.83	119.9884665	35.4	7.92	**0.025**			0.38	0.35	0.405	0.73	0.171	0.23	17.3	48.7	1	400
Glasses Creek	OK310800-01-0020M	Marshall	COTP	22713	03/19/01	5	11.49	212	555	12.2	14.98	142.8899254	5.3	8.1	**0.025**			0.05	0.43	0.075	0.48	0.127	0.189	16.9	51.5	1	480
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	17199	04/20/99	5	7.46	235	549	18.2	5.86	63.97621118	1.18	7.32	**0**	0.012	0.9		0.19	0.912	1.102		0.018	9	23.9	2	40000
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	16801	05/18/99	5	4.209	271	498	18.9	6.51	71.0725486	2.75	7.11	0.06	0.012	0.973		0.09	1.045	1.075	0.02	0.05	9	16.8	1	400
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	13597	06/15/99	6		167	394.4	20.9	6.4	72.79899703	82.6		0.134	0.029	0.76		1.72	0.923	2.509	0.378	0.542	7	**1**	71.9	10000
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	13372	07/13/99	5	1.61	215	477	24.1	4.88	59.93675757	3.47	7.56	**0**	**0.0015**	0.11		0.23	0.1115	0.3415	0.021	0.055	7	18.6	1	100
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	13428	08/17/99	4	0.41	176	223.3	24.7	2.82	34.63558532	4.36	7.48	0.061	0.032	0.14		0.28	0.233	0.452	0.034	0.066	4.8	11.8	16	100
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	13470	09/28/99	5	4.59	235	521	22	6.47	76.54917329	2.27	7.58	**0.01**	0.027	1.97		0.31	2.007	2.307	0.006	0.026	7	23.8	2.5	200

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	13247	11/02/99	5	1.92	262	575	13.2	7.26	71.19895016	2.36	7.46	**0.02**	0.008	1.04		0.26	1.068	1.308	0.008	0.017	9	32	2	100
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	18242	12/07/99	5	1.09	279	595	7.4	10.38	88.35831856	2.2	7.82	**0**	**0.001**	0.4		0.34	0.401	0.741	**0.0015**	0.016	9	30.8	3.7	100
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	18006	01/11/00	5	9.45	283	567	10.6	11.3	103.4444599	4.21	8.04	**0.01**	0.007	0.76		0.34	0.777	1.107	0.053	0.059	4	6.45	5	100
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	18031	02/15/00	5	3.85	249	552	10.2	10.02	91.72685738	2.71	7.93	0.039	0.006	0.33		0.1	0.375	0.436	**0.0025**	0.019	7	22	0.5	400
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	17782	03/21/00	5	13	279	537	15.4	8.99	92.10494133	2.72	7.89	**0**	0.007	0.412		0.62	0.419	1.039	**0.0025**	0.021	3.5	13.2	4	500
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	18663	05/02/00	6	17.81	213	496	16.1	7.54	78.97467083	20.4		**0**	0.017	0.7		0.36	0.717	1.077	0.071	0.111	4.5	16.6	6	4200
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	21395	06/06/00	5	2.46	218	482	21.2	4.65	53.90333742	16.9	7.95	0.06	0.042	0.58		0.47	0.682	1.092	0.175	0.254	8.5	2.5	6	600
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	18815	07/11/00	5	2.45	243		26	4.82	61.46830332	13.2	7.96	0.07			0.55	0.23	0.62	0.78	0.036	0.067	**2.5**	11.8	2	4700
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	19295	08/15/00	4	1.9	126	424	25.9	5.64	70.61624191	9.12	8.32	0.06			0.24	0.28	0.3	0.52	0.057	0.065	**2.5**	12.1	4	160
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	21489	09/19/00	5	0.52	182	409	19.7	6.41	71.41669561	9	7.85	0.09			0.06	0.32	0.15	0.38	0.032	0.079	**2.5**	9.9	24	210
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	21802	10/24/00	7	31.48	191	500	18.8	7.84	85.5927467	36.1	7.83	0.33			2.83	1.03	3.16	3.86	0.243	0.297	**2.5**	10	8	6000
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	22018	11/28/00	7	33.12	197	592	12.3	9.57	91.75978251	18.2	7.8	**0.025**			2.57	0.31	2.595	2.88	0.035	0.111	**2.5**	11.1	4	230
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	22279	01/09/01	6	13.82		620	9.3	10.43	93.16548159	12	8.01	**0.025**			3.2	0.28	3.225	3.48	0.014	0.042	5.2	13.9	2	200
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	22529	02/13/01	6	8.59	227	616	11.1	8.94	83.77277636	20.2	7.91	**0.025**			2.75	0.5	2.775	3.25	0.017	0.03	6	18.7	1	700
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	22721	03/20/01	5	8.88	145	548	10.7	9.92	90.81141968	2.6	8.1	**0.025**			3.26	0.35	3.285	3.61	**0**	**0.0025**	8.3	27.5	6	900
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	17198	04/19/99	5	0.59	270	795	23.1	7.49	89.97092421	5.4	7.73	**0**	**0.0025**	**0.025**		0.27	0.0275	0.2975		0.022	35	72.2	4.5	26200
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	16804	05/17/99	9	2.91	240	677	23.1	6.58	79.03987735	95.7	7.07	**0.023**	**0.002**	0.127		0.38	0.152	0.509	**0.0025**	0.08	30	54	88.5	2400
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	13453	06/14/99	5	0.17	235	685	27.5	8.05	104.1172959	5.81		**0**	**0.002**	**0.032**		0.3	0.034	0.334	**0**	0.021	33	41.6	2.5	200
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	13601	07/12/99	5	0.03	213	692	29.4	5.23	70.1133073	16.1	8.14	**0**	**0.0025**	0.069		0.2	0.0715	0.2715	**0.0025**	0.032	32	38.3	10	
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	13317	08/16/99	2	0	155	850	30	6.97	95.05075283	46.1	7.91	0.097	**0.001**	0.074		0.89	0.172	0.965	**0.0001**	0.097	45	62	53	100
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	13277	09/27/99	2	0	250	759	20.5	6.55	74.25541706	10.6	7.81	**0**	**0.002**	0.079		0.31	0.081	0.391	0.006	0.044	29	77.3	10	100
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	13405	11/01/99	5	0.01	195	440.9	17.7	4.46	47.52276204	12.7	7.28	**0.015**	0.006	0.2		0.77	0.221	0.976	0.006	0.041	27	15.9	38.5	100
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	18231	12/06/99	2	0	272	749	9.4	6.14	54.66137041	29.3	7.6	**0.02**	**0.0025**	**0**		0.81	0.0225	0.8125	**0**	0.05	32	58.6	22.2	100
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	18005	01/10/00	5	0.16	198	590	10.8	11.6	105.834729	55.7	8.02	**0.015**	**0.0015**	0.149		0.51	0.1655	0.6605	0.018	0.065	28	61.6	51	100
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	18023	02/14/00	5	0.6	260	810	14.4	9.84	98.32724079	10	8.2	0.041	**0.0005**	**0**		0.14	0.0415	0.1405	**0.0025**	0.019	40.5	72	6	100
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	17299	03/20/00	5	0.54	227	678	20.4	10.79	122.3230458	7.49	8.43	**0.01**	**0.001**	**0.02**		0.65	0.031	0.671	**0.0025**	0.027	28	71.2	8.5	100
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	18636	05/01/00	6	4.76	110	316	20.9	8.04	91.14710735	190		0.072	0.019	0.31		1.19	0.401	1.519	0.068	0.2	11	11.8	220	5500
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	21378	06/05/00	5	0.72	168	328	28.3	6.47	85.18191032	69.1	8.17	**0.015**	0.012	0.141		0.54	0.168	0.693	0.015	0.101	20	59	77	500
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	18798	07/10/00	2	0	249		29.5	4.31	57.77980009	11.9	7.7	**0.025**			0.06	0.18	0.085	0.24	0.015	0.051	27.7	66.8	4	80
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	21782	10/23/00	4	0.08	83	202	20.1	5.97	67.68012822	49.9	8.11	0.06			0.2	0.74	0.26	0.94	0.056	0.07	9.9	64.1	124	4000
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	21992	11/27/00	6	2.34	155	461	10.4	10.55	96.25486125	48.1	8.01	**0.025**			0.18	0.37	0.205	0.55	0.025	0.054	13.9	34	37	170
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	22278	01/08/01	6	1.24	144	659	7.5	11.32	96.0368564	22.3	8	**0.025**			0.11	0.27	0.135	0.38	0.015	0.037	23.5	52	10	10
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	22483	02/12/01	6	1.56	144	705	8.2	11.99	104.2146003	6.2	8.14	**0.025**			**0.025**	0.35	0.05	0.375	0.017	0.018	26.8	57.5	1	200
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	22714	03/19/01	5	1.3	121	609	12.7	10.21	97.56804421	6.7	8.23	**0.025**			**0.025**	0.29	0.05	0.315	0.006	0.022	29.9	72.4	14	130
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	17200	04/20/99	5	4.43	250	565	16.7	8.39	87.85466325	1.53	7.75	**0.025**	**0.001**	0.11		0.2	0.136	0.311		0.022	25	10.9	2.5	40000

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	16807	05/18/99	9	17.71	212	433.9	18.1	7.81	85.24291909	7.67	7.5	**0**	0.006	0.277		0.19	0.283	0.473	0.02	0.05	20	3.44	7.5	600
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	13569	06/15/99	6	7.26	196	473.6	19.2	8.25	91.89291958	77.5		**0.01**	0.007	0.34		0.73	0.357	1.077	0.029	0.159	21	**1**	169	1200
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	13441	07/13/99	5	1.86	270	610	22.5	8.88	105.0353698	1.34	7.69	**0**	**0.001**	0.24		0.18	0.241	0.421	0.009	0.031	26	17.3	1	200
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	13572	08/17/99	4	0.04	338	745	24.1	5.27	64.70985359	2.58	7.06	**0.01**	0.006	0.17		0.03	0.186	0.206	0.015	0.038	32	16.3	1.5	1200
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	13278	09/28/99	5	0.51	242	582	20	7.27	82.67347866	0.67	7.09	**0**	**0.002**	0.168		**0.015**	0.17	0.185	0.016	0.032	26	19.2	1	100
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	13503	11/02/99	5	1.42	240	569	11.3	7.97	74.66380017	1.43	7.37	**0**	0.005	0.59		0.12	0.595	0.715	0.021	0.026	25	14.9	2	300
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	18241	12/07/99	5	1.48	273	636	8	10.02	87.36189883	1.1	7.33	**0**	**0.0025**	0.33		0.26	0.3325	0.5925	0.013	0.019	28	15.8	2.5	200
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	18007	01/11/00	5	2.66	285	657	7.4			0.5	8	**0.022**	**0.0015**	0.29		0.18	0.3135	0.4715	0.007	0.013	30	15.6	1	100
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	18032	02/15/00	5	0.74	271	674	10.4	11.76	107.627312	0.62	8.04	0.038	**0.002**	0.19		**0.05**	0.23	0.242	**0.0001**	0.009	31	16.2	1	100
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	17781	03/21/00	5	1.49	265	650	13.2	11.29	110.6922691	0.85	7.98	**0**	**0.0015**	0.082		**0.05**	0.0835	0.1335	**0.0001**	0.016	32	15.5	3.3	300
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	18664	05/02/00	5	5.78	196	517	15.9	9.01	92.28569952	10.5		**0**	0.005	0.2		0.34	0.205	0.545	**0.0001**	0.036	27	10.5	5	3800
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	21396	06/06/00	4	0.07	271	722	18.7	7.19	78.47587558	1.7	7.68	**0**	0.012	1.53		0.26	1.542	1.802	0.027	0.073	40	17.7	1	100
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	18814	07/11/00	2	0	177		23.5	6.53	78.68256418	12.5	7.8	0.16			1.15	0.18	1.31	1.33	0.02	0.043	37.4	13.2	6	500
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	19296	08/15/00	2	0	306	746	23.8	2.01	24.21928851	3.67	7.53	**0.025**			**0.025**	0.3	0.05	0.325	**0.0025**	0.037	23.4	11.7	4	40
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	19490	09/19/00	2	0	334	780	23.7	5.43	65.42822718	2.88	7.32	**0.025**			**0.025**	1.24	0.05	1.265	0.01	0.242	31	9.5	28	900
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	21803	10/24/00	4	0.1	167	485	19.9	4.24	47.22739139	6.97	7.82	**0.025**			2.32	0.34	2.345	2.66	0.064	0.076	11.5	14.3	1	3000
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	22019	11/28/00	6	8.64	141	402	8.1	10.86	94.68565083	25.8	7.97	**0.025**			0.35	0.48	0.375	0.83	0.013	0.061	10.9	10	18	190
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	22280	01/09/01	6	5.33		510	4.5	12.49	98.41513213	8.6	8.04	**0.025**			0.48	0.19	0.505	0.67	0.018	0.036	14.3	9.9	6	80
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	22530	02/13/01	6	2.6	160	497	8.9	10.51	91.6340875	7.64	8.06	**0.025**			0.34	0.4	0.365	0.74	0.021	0.046	12.7	12.9	1	600
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	22722	03/20/01	6	3.24	147	601	10.1	11.86	108.5425102	1.6	8.14	**0.025**			0.57	0.24	0.595	0.81	**0**	**0.0025**	20.1	13.9	10	300
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	17194	04/19/99	5	7.46	101	137.2	13.3	8.82	85.41302271	10.1	6.85	**0.01**	0.006	0.08		0.34	0.096	0.426		0.062	12	5.28	3.5	3700
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	16810	05/17/99	7	18.57	28.4	17.1	21.5	6.45	73.8313746	16.7	6.33	0.054	0.006	**0.01**		0.28	0.07	0.296	0.03	0.07	10	**1**	6.5	100
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	13585	06/14/99	9	87.52	20.8	80.3	23.2	6.43	76.52590151	94.1		**0.01**	0.008	0.36		1	0.378	1.368	0.029	0.229	6.5	**1**	82.5	2300
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	13437	07/12/99	5	4.08	30.9	117.5	23.9	5.31	63.19635101	14.7	6.64	**0.025**	**0.0015**	0.44		0.39	0.4665	0.8315	0.027	0.097	10	**0.5**	3	200
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	13313	08/16/99	4	0.16	47.9	152.2	23.6	5.12	60.93508798	4.91	6.88	**0.01**	**0.001**	0.26		0.24	0.271	0.501	0.018	0.052	14	2.83	3.5	100
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	13505	09/27/99	5	0.39	16.9	128.2	21	7.65	87.56744429	6.55	6.69	**0**	**0.0015**	0.158		0.25	0.1595	0.4095	0.014	0.052	10	5.1	4.5	300
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	13463	11/01/99	5	2.53	23.3	132.9	14.5	7.29	72.17443616	8.18	6.46	**0**	**0.0005**	0.107		0.36	0.1075	0.4675	0.012	0.023	18	4.48	5.5	200
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	18235	12/06/99	6	7.57	17.3	126	9	9.41	83.00015156	29.9	6.41	**0.01**	**0.0025**	0.21		0.53	0.2225	0.7425	0.007	0.077	15.5	4.2	18.2	500
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	18001	01/10/00	6	11.8	18.9	144.1	7.5	9.1	76.49094365	15.8	7.12	**0**	**0.001**	0.22		0.53	0.221	0.751	0.009	0.052	17	2.61	10.5	300
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	18019	02/14/00	5	6.25	25.3	152.3	10.1	9.47	85.60464078	8.2	7.39	0.026	**0.0005**	0.072		0.21	0.0985	0.2825	0.005	0.03	18	9.38	4	300
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	17303	03/20/00	6	10.75	28.9	154.6	9.4	9.91	87.41036153	15	7.45	**0.01**	**0.002**	0.163		0.53	0.175	0.695	0.014	0.053	16.5	5.1	11.5	100
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	18633	05/01/00	9	366.25	35	83.6	17.8	7.97	84.13995091	177		0.089	0.008	**0**		1.72	0.097	1.728	**0.0025**	0.292	10	**0.44**	256	6000
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	21375	06/05/00	7	19.19	67	80.4	21.7	7.03	80.47047495	63.6	7.44	0.054	0.009	0.175		0.84	0.238	1.024	0.044	0.2	8.5	**0.25**	55	800
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	18801	07/10/00	5	0.44	81		26.5	6.55	82.48291952	12.1	7.76	**0.025**			0.19	0.36	0.215	0.55	0.039	0.073	9.5	9.2	2	160
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	19292	08/14/00	2	0	62	164	26.7	4.93	62.08256385	5.15	7.98	0.06			0.08	0.37	0.14	0.45	0.028	0.082	12.4	6.5	2	10

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	21683	09/18/00	2	0	94	230	21.6	3.64	41.66607807	4.15	7.6	0.2			**0.025**	0.75	0.225	0.775	0.007	0.052	34.6	**2.5**	2	10
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	21779	10/23/00	6	6.01	81	137	18.3	7.76	83.65678282	21.6	8.36	**0.025**			**0.025**	0.43	0.05	0.455	0.024	0.071	**2.5**	10.2	12	1000
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	21989	11/27/00	7	15.92	59	89	8.1	10.21	87.92497301	37	7.99	**0.025**			0.23	0.36	0.255	0.59	0.013	0.06	6.6	13.3	14	120
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	22275	01/08/01	7	14.49	40	104	4.9	11.64	90.59090119	19.5	7.74	**0.025**			0.35	0.11	0.375	0.46	0.036	0.103	8.7	11.6	10	10
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	22480	02/12/01	7	15.53	63	105	6	10.77	88.27054761	13.8	7.74	**0.025**			0.09	0.48	0.115	0.57	0.018	0.045	9	12.7	1	100
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	22711	03/19/01	7	25.69	33	66.1	10.2	11.18	101.0622897	12.5	8.03	**0.025**			0.06	0.38	0.085	0.44	0.009	0.029	6	11.4	36	80
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	17195	04/19/99	5	9.46	85	125.6	15.4	8.88	89.83689672	12.8	6.8	**0**	**0.001**	**0.025**		0.18	0.026	0.206		0.045	8	13.8	5.5	6100
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	16813	05/17/99	6	27.78	27.2	81.5	22	6.55	76.52371777	31.1	6.1	0.053	0.005	**0.025**		0.18	0.083	0.21	0.01	0.08	7	**1**	14.5	200
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	13388	06/14/99	6		33.6	39.3	23.9	4.94	58.79283879	30.4		**0.015**	0.007	0.32		0.48	0.342	0.807	0.013	0.078	10	**0.75**	9.5	100
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	13438	07/12/99	5	0.95	35.1	136.4	25.6	4.2	51.92701103	28	6.47	**0**	**0.0015**	0.26		0.27	0.2615	0.5315	0.018	0.11	1	**0.5**	9	200
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	13314	08/16/99	2	0	147.1	180.3	23.9	0.53	6.307733717	34.3	6.95	**0.01**	**0.0005**	0.55		0.09	0.5605	0.6405	0.024	0.3	16.5	4.03	20	100
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	13275	09/27/99	5	0.06	40.9	144.7	22.3	5.59	65.30802783	45.9	6.73	**0.02**	0.011	0.43		0.58	0.461	1.021	0.012	0.092	11	**0.2**	14.5	100
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	13594	11/01/99	5	0.1	66.1	176	15.5	2.86	28.93395547	48.6	6.66	0.551	**0.002**	0.18		1.82	0.733	2.002	0.055	0.171	13	2.9	34.5	6000
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	18234	12/06/99	6	37.63	20.5	90.3	9.7	8.78	77.44328701	90	5.75	**0**	**0.001**	0.3		0.73	0.301	1.031	0.006	0.132	7	11.3	41.7	1000
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	18002	01/10/00	6	33.73	16.3	132.3	7.6	9.15	76.91122356	50	7.12	**0**	**0.0015**	0.22		0.19	0.2215	0.4115	0.008	0.067	13	11.2	24	800
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	18020	02/14/00	5	7.14	15.4	118.5	10.4	9.25	83.6159374	20.2	7.06	0.022	**0.001**	0.074		0.18	0.097	0.255	**0.0015**	0.038	11.5	20.9	6.5	100
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	17302	03/20/00	6	24.79	17.4	110.7	10.6	10.47	94.64420158	29.3	7.4	**0**	**0.002**	0.092		0.48	0.094	0.574	**0.0015**	0.054	9	8.16	15	400
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	18631	05/01/00	9	600.15	60	43.2	17.5	8.49	89.62963403	214		**0**	**0.0005**	**0**		1.46	0.0005	1.4605	**0.0025**	0.229	4	**0.5**	438	7500
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	21373	06/05/00	7	39.99	65	62.7	21.8	6.25	71.54202965	120	7.49	0.065	0.008	0.063		0.92	0.136	0.991	0.021	0.164	6.5	**0.05**	87	1800
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	18803	07/10/00	4	0.55	99		26	3.32	41.80813631	20.1	7.76	0.14			0.05	0.54	0.19	0.59	0.053	0.1	**2.5**	13.4	16	3800
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	19290	08/14/00	2	0	86	124	23.7	2.57	30.58655783	32.4	8.75	0.09			0.21	0.53	0.3	0.74	0.084	0.183	**2.5**	14.3	14	750
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	21681	09/18/00	5	0.3	51	114	19.3	1.63	17.93279005	59.3	7.46	0.4			**0.025**	1.13	0.425	1.155	0.093	0.233	5	29.4	40	
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	21777	10/23/00	4	0.05	51	114	17.7	3.45	36.42193609	32.1	9.06	0.1			**0.025**	0.79	0.125	0.815	0.015	0.08	**2.5**	9.5	8	
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	21987	11/27/00	7	50.98	51	55	8.2	10.47	90.16400269	51.8	8.7	**0.025**			0.26	0.27	0.285	0.53	0.021	0.046	**2.5**	12.5	17	
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	22273	01/08/01	7	28.24		78	3.7	11.41	86.48835201	58.4	7.91	**0.025**			0.26	1.34	0.285	1.6	0.016	0.042	**2.5**	15.9	16	
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	22478	02/12/01	6	28.22	43	87	6.1	10.76	88.18858796	34.3	6.77	**0.025**			0.06	0.4	0.085	0.46	0.028	0.074	**2.5**	19	1	
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	22709	03/19/01	5	9.71	34	74.6	10.5	10.29	93.01708063	21.1	7.76	**0.025**			**0.025**	0.34	0.05	0.365	0.011	0.027	**2.5**	16.9	1	
Eastman Creek	OK410700-00-0230D	Bryan	COTP	17196	04/19/99	5	1.82	76	352.6	24.4	11.56	140.4639507	1.97	8.51	**0**	**0.002**	0.51		0.12	0.512	0.632		0.049	30	19.1	3	3500
Eastman Creek	OK410700-00-0230D	Bryan	COTP	16829	05/17/99	9	2.43	88	203.4	22.6	7.37	86.26553779	52.1	7.21	0.06	0.008	0.408		0.21	0.476	0.626	0.02	0.11	23	**0.87**	45.5	5000
Eastman Creek	OK410700-00-0230D	Bryan	COTP	13389	06/14/99	5		96.1	299.8	26.1	9.72	122.6320743	3.91		**0**	0.008	0.65		0.18	0.658	0.838	0.038	0.059	24	3	1	100
Eastman Creek	OK410700-00-0230D	Bryan	COTP	13439	07/12/99	5	0.77	93.2	324.9	27.6	8.59	110.2839636		8.1	**0**	**0.0015**	0.74		**0.025**	0.7415	0.7665	0.037	0.069	22	15	5	200
Eastman Creek	OK410700-00-0230D	Bryan	COTP	13315	08/16/99	5	0.45	99.4	285.9	28.2	9.05	118.2725271	10.1	7.88	**0**	0.006	0.9		0.08	0.906	0.986	0.052	0.091	13	11.8	15	100
Eastman Creek	OK410700-00-0230D	Bryan	COTP	13416	09/27/99	6	1	92.5	303.1	24.1	9.36	113.732057	14.3	7.82	**0**	0.005	0.74		**0.04**	0.745	0.785	0.032	0.066	24	15.4	12.5	100
Eastman Creek	OK410700-00-0230D	Bryan	COTP	13541	11/01/99	6	1.07	98	301.3	16.3	8.03	83.20810779	39	7.43	**0.015**	**0.0015**	0.71		**0.045**	0.7265	0.7565	0.027	0.057	25	19.9	23	500
Eastman Creek	OK410700-00-0230D	Bryan	COTP	18233	12/06/99	6	1.75	88	270.2	8.8	9.98	86.10574483	34.2	7.05	**0**	**0.001**	1.06		0.52	1.061	1.581	0.021	0.83	18	19.5	20.7	300

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Eastman Creek	OK410700-00-0230D	Bryan	COTP	18003	01/10/00	5	2.24	89.9	350.2	9.7	10.2	90.13729455	5.22	8.04	0.085	**0.001**	0.82		0.51	0.906	1.331	0.019	0.037	30	17.7	5	100
Eastman Creek	OK410700-00-0230D	Bryan	COTP	18021	02/14/00	5	1.09	88.5	332.4	11.6	11.18	103.6432006	3.09	8.22	0.04	0.005	0.75		**0.05**	0.795	0.805	0.016	0.041	30	16.7	1	200
Eastman Creek	OK410700-00-0230D	Bryan	COTP	17301	03/20/00	5	1.61	90.4	324.2	14.8	12.13	120.3183194	13.2	8.3	**0**	0.005	0.611		0.43	0.616	1.046	0.012	0.054	25	23.4	10.3	100
Eastman Creek	OK410700-00-0230D	Bryan	COTP	18634	05/01/00	6	3.37	90	260	20	8.11	91.26408381	207		**0**	0.011	0.35		0.48	0.361	0.841	0.007	0.128	29	**0.25**	83	800
Eastman Creek	OK410700-00-0230D	Bryan	COTP	21376	06/05/00	5	1.69	95	291	25.1	10.06	124.6112063	24.5	8.24	**0**	0.008	0.48		0.18	0.488	0.668	0.028	0.088	24	15.1	11	100
Eastman Creek	OK410700-00-0230D	Bryan	COTP	18800	07/10/00	4	0.42	105		27.9	9.31	119.5277883	18.8	7.44	0.05			0.47	0.14	0.52	0.61	0.039	0.069	15.2	10.2	6	380
Eastman Creek	OK410700-00-0230D	Bryan	COTP	19293	08/14/00	4	0.27	92	271	27.8	9.03	115.9329676	9.36	8.4	**0.025**			0.67	0.14	0.695	0.81	0.05	0.071	6.3	9	2	4400
Eastman Creek	OK410700-00-0230D	Bryan	COTP	21684	09/18/00	5	0.37	90	273	20.1	9.98	112.3077135	3.86	7.92	0.12			0.71	0.38	0.83	1.09	0.039	0.108	7.6	8.1	5	470
Eastman Creek	OK410700-00-0230D	Bryan	COTP	21780	10/23/00	5	1.97	84	258	20.4	6.51	73.25883916	193	8.05	0.08			0.56	0.6	0.64	1.16	0.09	0.108	16.9	74.1	130	2000
Eastman Creek	OK410700-00-0230D	Bryan	COTP	21990	11/27/00	6	3.74	69	183	10.6	10.52	95.27482395	155	7.82	0.06			0.59	0.55	0.65	1.14	0.074	0.156	12.3	40.3	50	700
Eastman Creek	OK410700-00-0230D	Bryan	COTP	22276	01/08/01	6	2.86	72	335	8.3	11.37	98.09842873	43.7	7.67	**0.025**			0.89	0.28	0.915	1.17	0.033	0.065	28.8	22.3	16	20
Eastman Creek	OK410700-00-0230D	Bryan	COTP	22481	02/12/01	6	2.92	92	320	8.6	11.62	100.2553863	19.4	7.91	**0.025**			0.58	0.3	0.605	0.88	0.023	0.048	24	28.9	4	100
Eastman Creek	OK410700-00-0230D	Bryan	COTP	22712	03/19/01	5	2.47	110	357	13.2	10.29	99.8357227	8.9	7.9	**0.025**			0.39	0.08	0.415	0.47	0.012	0.017	25.3	34.1	28	160
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	17233	04/27/99	9		81	137.5	20	6.99	79.12860038	454	7.39		0.011	**0.02**		1.21	0.031	1.241		0.41	17	3.3	331	1000
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	16833	05/25/99	5		92	481	23.3	9.59	115.0292896	54.5	8.27		0.016	0.44		0.72	0.456	1.176	0.015	0.118	97	6.1	68	100
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	13451	06/22/99	6		143	594	26.4	8.01	101.6594112	163	7.58	**0.01**	0.009	0.41		0.85	0.429	1.269	0.048	0.215	130	**1**	130	200
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	13304	07/20/99	5	13.27	145	1482	33.1	7.05	101.097331	56.4	7.27	0.052	**0.0025**	0.155		0.46	0.2095	0.6175	0.009	0.123	600	30.6	67.5	100
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	13358	08/23/99	4	0.49	142	2430	31.7	9.29	128.7244667	14	8.39	**0.01**	**0.0015**	0.181		0.5	0.1925	0.6825	0.006	0.049	650	45.4	16	100
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	13398	10/05/99	5	0.68	144	1405	21.1	9.8	113.0575746	20.3	8.19	**0.01**	**0.0025**	0.131		0.41	0.1435	0.5435	**0.0025**	0.046	350	51.2	21	100
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	13467	11/08/99	4	2.12	164	1107	19.1	15.24	168.9808832	17.7	7.11	**0.025**	0.038	0.33		1.16	0.393	1.528	0.134	0.219	210	52	28	200
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	18207	12/13/99	6	27.98		379	8.7	10.89	94.516304	202		0.097	0.01	0.43		1.03	0.537	1.47	0.046	0.312	70	6.8	172	400
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	18124	01/18/00	5	15.13	109	957	11.5	11.77	109.7621838	74.4		**0.025**	0.035	0.99		0.56	1.05	1.585	0.068	0.181	198	34	72	300
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	18062	02/22/00	5	11.41	131	1154	14.1	10.67	106.4664173	79.5		0.105	0.032	0.68		0.95	0.817	1.662	0.06	0.216	270	20.8	95	100
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	17789	03/27/00	9	1028.77	101	208	18.6	8.88	96.4816568	453		**0.01**	0.016	0.26		2.18	0.286	2.456	0.035	0.448	27	43.5	478	1100
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	18681	05/08/00	7		98	318	27.3	7.02	90.66372925	101		0.064	0.056	0.51		1.65	0.63	2.216	0.026	0.18	66	**0.5**	66	1000
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	21433	06/12/00	6	48.19	131	1406	27.2	11.09	143.2280281	105	8.73	0.111	**0.0015**	**0.01**		1	0.1225	1.0115	**0.002**	0.199	234	29.2	147	400
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	19004	07/18/00	6	22.7	88	813	31.5	7.67	106.2773584	56	8.22	**0.025**			**0.025**	0.59	0.05	0.615	0.057	0.133	196	24.5	52	
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	19325	08/22/00	4	7.71	108	1125	32.5	8.48	119.5991432	59.1	8.82	**0.025**			**0.025**	0.45	0.05	0.475	0.063	0.123	267	18.5	36	10
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	21532	09/26/00	6	7.37	102	1071	15	7.14	72.80016047	280	6.98	**0.025**			0.2	2.86	0.225	3.06	0.088	2.7	242	72.2	208	3000
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	21828	10/30/00	9		68	397.8	21.3	7.9	91.13824891	743	7.65	0.21			0.33	1.13	0.54	1.46	0.485	0.623	78.8	102	600	17000
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	22027	12/04/00	6	66.09	78	326.9	3.2	12.31	94.04211322	36.4	7.93	0.07			0.37	0.79	0.44	1.16	0.05	0.104	119	34	6	1300
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	22175	01/17/01	7	180.4	59	4.01	3.4	12.66	96.71593447	47.9	8.22	0.18			0.45	0.7	0.63	1.15	0.028	0.086	78.7	32.7	20	200
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	22520	02/21/01	9		49	264.4	8.6	10.61	92.08613273	108	7.65	0.07			0.32	0.8	0.39	1.12	0.078	0.188	41.8	23.9	64	1200
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	22673	03/26/01	5	67.37	136	1320	9	11.74	104.3637578	12.3	8.4	**0.025**			**0.025**	0.2	0.05	0.225	0.02	0.056	297	27	20	
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	17234	04/27/99	9		74	390	20.3	9.68	110.1043674	488	8.21		0.006	0.175		1.18	0.181	1.361		0.41	14	6.4	461	2000

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	16837	05/25/99	6	14.98	89	2530	22.9	12.52	148.1236208	14.5	8.4		0.025	1.05		0.85	1.075	1.925	0.124	0.227	750	33.2	18.5	100
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	13450	06/22/99	7	45.3	98	403	24.3	7.08	86.95417667	65.4	7.43	**0**	0.016	0.93		0.91	0.946	1.856	0.135	0.233	415	28.7	41	200
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	13303	07/20/99	5	3.36	265	3650	31.4	14.33	199.5099033	9.43	8.09	0.366	0.158	1.33		1.4	1.854	2.888	0.12	0.485	1100	49.2	35	100
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	13357	08/23/99	9	60.92	257	1706	34.6	14.08	206.0392752	17.4	9.11	0.058	0.518	5.34		2.22	5.916	8.078	1.55	1.75	335	82.2	17.5	100
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	13233	10/05/99	5	4.43	216	1753	24.8	18.94	232.6147042	11.9	8.31	0.058	0.201	7.78		1.92	8.039	9.901	1.68	2.463	360	99.6	20.5	100
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	13466	11/08/99	4	0.57	224	1435	21.7	16.72	193.8129278	13.7	7.24	0.164	0.157	8.32		2.67	8.641	11.147	1.42	2.12	240	84	19.5	200
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	18208	12/13/99	6	1.66	97	974	9.9	11.34	101.2902274	34.4		0.098	0.034	1.97		0.85	2.102	2.854	0.269	0.409	230	17.6	37	400
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	18125	01/18/00	5	7.03	159	1791	11.6	17.91	167.8203964	12.6		**0.01**	0.086	6.11		1.88	6.206	8.076	1	1.39	345	65.2	19	100
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	18063	02/22/00	5	5.3	239	1439	17.1	16.98	181.5293482	17.3		**0.02**	0.068	3.63		1.66	3.718	5.358	0.501	0.558	315	73.5	26	100
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	17788	03/27/00	7	19.14	139	867	22.07	8.46	100.0899227	144		**0.01**	0.015	0.027		1.05	0.052	1.092	0.071	0.173	178	20.8	102	1500
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	18680	05/08/00	7	28.79	267	1072	29.2	9.37	126.0319636	48.9		**0**	0.018	0.79		1.04	0.808	1.848	0.083	0.192	340	27.9	42	1000
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	21432	06/12/00	6	9.63	188	1174	29	11.98	161.1379854	13.9	8.81	0.098	0.024	1.1		0.76	1.222	1.884	0.21	0.306	360	26.4	22.8	200
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	19003	07/18/00	5	5.85	147	2	32.9	13.99	198.2543891	8.11	9.1	**0.025**			1.44	0.86	1.465	2.3	0.505	0.911	488	27.7	14	
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	19324	08/22/00	4	2.17	160	1310	34.3	14.64	214.2340191	68	9.52	**0.025**			3.39	1.39	3.415	4.78	1.133	1.24	256	53.7	60	10
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	21533	09/26/00	4	1.3	141	1408	14.1	13.54	135.7499772	86.4	9.36	**0.025**			0.28	1.07	0.305	1.35	0.398	1.813	256	75.4	104	120
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	21827	10/30/00	7	55.01	87	583	20.7	8.31	94.52141455	137	8	0.08			0.36	0.88	0.44	1.24	0.216	0.261	113	40.7	124	6000
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	22028	12/04/00	6	15.15	164	1032	5	13.03	105.431578	16.9	8.25	0.07			0.94	0.84	1.01	1.78	0.162	0.22	329	24.3	16	1300
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	22174	01/17/01	6	36.22	161	1650	3.6	12.83	98.48358816	23	8.3	0.17			0.67	0.8	0.84	1.47	0.133	0.199	**2.5**	29.6	22	5000
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	22521	02/21/01	7	74.15	137	1300	9	10.86	97.00281033	48.9	8.04	0.05			0.24	0.55	0.29	0.79	0.068	0.149	305	22.9	16	400
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	22674	03/26/01	5	15.99	228	3321	10.6	18.32	167.7019177	7.29	8.67	**0.025**			0.33	0.45	0.355	0.78	0.208	0.267	987	35.3	14	80
Turkey Creek	OK520510-00-0100E	Seminole	COTP	17235	04/27/99	9		92	407	18.8	8.96	98.0144595	346	7.7		0.007	0.167		1.14	0.174	1.314		0.3	69.5	**0.215**	319	2000
Turkey Creek	OK520510-00-0100E	Seminole	COTP	16841	05/25/99	5	4.01	96	316	21.2	8.22	95.47633928	7.18	8.44		**0.0005**	0.15		0.2	0.1505	0.3505	**0.0001**	0.031	1125	32.7	9.5	1000
Turkey Creek	OK520510-00-0100E	Seminole	COTP	13385	06/22/99	5	3.84	231	1499	25.3	9.87	123.823732	36.7	7.96	**0**	0.008	0.175		0.46	0.183	0.643	0.015	0.065	380	8.97	35	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	13302	07/20/99	5	0.45	222	4560	28.4	8.61	113.9635753	3.25	7.94	0.022	**0.0025**	0.112		0.21	0.1365	0.3245	0.006	0.029	1550	69.5	4.5	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	13356	08/23/99	2	0	176	6860	28.5	6.92	91.59441828	7	7.02	**0**	**0.0005**	0.141		0.4	0.1415	0.5415	**0.0025**	0.052	2325	40.4	7.5	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	13232	10/05/99	2	0	185	564	20.6	8.99	102.4628314	5.42	8.14	**0**	**0.0025**	0.145		0.45	0.1475	0.5975	**0.0025**	0.048	2250	42	16.5	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	13265	11/08/99	2	0	334	428	19.6	6.45	72.00500355	8.32	6.01	**0.01**	**0.002**	0.29		0.65	0.302	0.942	0.008	0.1	1380	37	36	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	18209	12/13/99	5	0.98	145	1150	7.8	10.04	85.63376548	146		**0.01**	0.006	0.26		0.86	0.276	1.126	0.049	0.231	300	8.4	96	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	18126	01/18/00	5		176	286	9.6	7.68	68.73741316	6.38		**0.015**	**0.0025**	0.01		0.28	0.0275	0.2925	**0.0015**	0.041	638	36.5	13	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	18064	02/22/00	5	0.38	153	257	16.1	11.75	123.3149083	28		0.05	**0.001**	**0**		0.94	0.051	0.941	0.005	0.085	715	34.6	35	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	17787	03/27/00	7	13.55	130	698	19.3	10.06	112.3054784	232		**0.01**	0.005	0.096		1.33	0.111	1.431	0.005	0.194	130	29.6	129	1100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	18679	05/08/00	6	6.7	202	1870	26.5	9.83	125.6084754	11.5		**0**	0.007	0.143		1.12	0.15	1.27	0.014	0.065	500	36.2	7	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	21431	06/12/00	5	2.44	208	1598	26.5	9.33	119.219438	29.9	8.16	0.08	**0.001**	**0**		0.47	0.081	0.471	0.013	0.08	411	26.2	30	300
Turkey Creek	OK520510-00-0100E	Seminole	COTP	19002	07/18/00	4	0.31	160	3.8	29.3	9.04	121.8391933	5.2	8.16	0.05			**0.025**	0.32	0.075	0.345	0.005	0.058	917	26.8	8	
Turkey Creek	OK520510-00-0100E	Seminole	COTP	19323	08/22/00	2	0	145	5.4	29.3	9.35	126.0173072	6.02	8.45	**0.025**			**0.025**	0.31	0.05	0.335	0.007	0.046	1978	25.9		100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Turkey Creek	OK520510-00-0100E	Seminole	COTP	21534	09/26/00	2	0	214	8.1	19	8.63	96.3415784	7.56	6.08	**0.025**			**0.025**	0.97	0.05	0.995	0.039	0.141	2682	32.8	36	60
Turkey Creek	OK520510-00-0100E	Seminole	COTP	21826	10/30/00	7	28.64	59	250.3	19.1	7.86	87.74563224	102	7.58	0.06			0.07	0.93	0.13	1	0.105	0.19	31	29.7	76	
Turkey Creek	OK520510-00-0100E	Seminole	COTP	22029	12/04/00	5	4.33	183	1264	4	13.26	104.7171529	10.5	8.13	**0.025**			0.11	0.58	0.135	0.69	0.016	0.043	475	21.1	14	50
Turkey Creek	OK520510-00-0100E	Seminole	COTP	22173	01/17/01	6	14.98	185	2.08	2.2	12.69	94.99087578	17.9	8.06	**0.025**			0.19	0.35	0.215	0.54	0.017	0.046	417	21.3	16	100
Turkey Creek	OK520510-00-0100E	Seminole	COTP	22519	02/21/01	6	23.16	167	1854	8.1	10.74	93.84982885	25	7.99	**0.025**			0.12	1.36	0.145	1.48	0.028	0.064	443	24.5	2	700
Turkey Creek	OK520510-00-0100E	Seminole	COTP	22675	03/26/01	5	7.33	248	3559	13.4	13.02	127.9408385	3.47	8.29	**0**			0.08	**0.025**	0.08	0.105	0.012	0.018	1039	33.8	16	100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	17202	04/20/99	5	0.5	247	751	21.3	8.84	102.666182	1.45	7.73	**0**	**0.0005**	0.02		0.25	0.0205	0.2705		0.018	41	40.6	2	15200
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	16845	05/18/99	5	1.04	190	467	19.7	8.27	92.31232217	9.58	7.74	**0.015**	**0.002**	0.084		0.37	0.101	0.456	0.006	0.04	27	5.85	2	1700
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	13593	06/15/99	5	0.18	264.4	666	20.9	7.35	83.76164641	5.12		**0.025**	**0.0015**	**0.025**		0.21	0.0515	0.2365	**0**	0.026	36.5	28.6	3	5500
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	13373	07/13/99	5	0.09	285	782	25.5	6.51	81.66179654	2.42	7.53	**0**	**0.0005**	0.063		0.18	0.0635	0.2435	**0.0025**	0.022	43	36.3	1	100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	13319	08/17/99	4	0.02	233	718	29.1	5.76	77.62333051	8.88	7.72	**0.01**	**0.0005**	0.079		0.1	0.0895	0.1795	**0.0001**	0.028	54	21.2	10	100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	13417	09/28/99	5	0.1	172	466.5	19.5	5.43	60.61135543	4.8	7.42	**0**	**0.001**	**0.0235**		**0.025**	0.0245	0.0495	**0**	0.024	30	20.6	4.5	100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	13584	11/02/99	5	0.05	241	722	14.4	8.8	88.39596689	4.39	7.67	**0**	**0.0025**	0.056		0.13	0.0585	0.1885	0.007	0.012	63	18.6	4.5	1900
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	18239	12/07/99	6	0.25	211	554	7.2	5.63	48.0143361	11.3	7.32	**0**	**0.0025**	**0.01**		0.39	0.0125	0.4025	0.017	0.053	37	16.1	11.5	1100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	18009	01/11/00	5	0.1	233	635	7.9			2.93	7.79	**0**	**0.0025**	0.051		0.25	0.0535	0.3035	0.006	0.018	39	27.7	6.5	100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	18034	02/15/00	5	0.03	296	800	12.3	9.28	89.14579412	3.09	7.79	0.041	**0.0005**	**0.01**		**0.05**	0.0515	0.0605	**0**	0.015	49	30.6	1	100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	17779	03/21/00	5	0.2	242	791	13.8	5.54	54.43261241	3.1	7.85	**0**	**0.001**	0.055		0.34	0.056	0.396	**0.0025**	0.017	65	38.8	1	500
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	18666	05/02/00	6	2.58	180	451	17.3	8.98	96.18651206	18.2		**0**	**0.002**	0.086		0.57	0.088	0.658	**0.0025**	0.038	20	35.8	10	1000
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	21399	06/06/00	5	0.97	254	698	22.6	5.34	63.29799086	2.17	7.92	**0**	**0.002**	**0.02**		0.16	0.022	0.182	**0.002**	0.035	50	27.8	1	100
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	18812	07/11/00	4	0.01	259		27.7	5.02	65.26821593	5.72	7.84	0.08			**0.025**	0.32	0.105	0.345	**0.0025**	0.019	50.4	21.7	4	300
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	19297	08/15/00	2	0	254	853	24.5	4.4	54.14252972	14.3	7.72	**0.025**			**0.025**	0.18	0.05	0.205	**0.0025**	0.015	85.7	12.2	6	220
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	21492	09/19/00	2	0	303	957	23.2	9.45	114.1098664	15.9	7.9	**0.025**			**0.025**	0.32	0.05	0.345	0.015	0.073	110	11.7	20	900
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	21805	10/24/00	4	0.09	74	238.5	18.3	6.36	69.56494728	45.2	7.72	**0.025**			0.37	0.53	0.395	0.9	0.032	0.094	12.7	21.7	1	3000
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	22021	11/28/00	5	0.76	184	334.2	6.8	6.96	57.87663383	2	7.99	**0.025**			0.13	0.41	0.155	0.54	**0.0025**	0.027	23.4	27.7	4	1200
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	22169	01/09/01	6	1.18	187	298.1	3.3	12.81	98.51787013	2.6	8.15	**0.025**			0.05	0.12	0.075	0.17	**0.0025**	0.014	19.9	23	1	30
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	22499	02/13/01	6	2.01	209	563	7.5	11.64	99.26942668	2.01	8.02	**0.025**			**0.025**	0.15	0.05	0.175	**0.0025**	0.012	26	30.9	10	200
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	22670	03/20/01	5	1	258	700	10.1	10.27	94.19149298	1.34	8.08	**0.025**			0.06	0.07	0.085	0.13	**0**	**0.0025**	34	33.5	8	60
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	17203	04/20/99	5	1.54	235	1233	30.1	7.16	98.37477975	7.9	8.09	**0.01**	**0.001**	0.43		0.52	0.441	0.951		0.039	295	29	14.5	40000
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	16848	05/18/99	5	3.76	185	716	30.2	6.67	91.64242751	45.9	8.02	0.052	0.01	0.408		0.59	0.47	1.008	0.01	0.09	140	**1**	45.3	1600
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	13390	06/15/99	5	1.37	250	1663	24.5	8.36	103.1024743	2.6		**0.025**	0.007	**0.044**		0.14	0.076	0.191	**0.0025**	0.02	385	26.7	1	100
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	13443	07/13/99	5	1.68	242	172.1	35.9	6.75	100.9049879	3.26	8.06	**0.025**	**0.0005**	0.088		0.14	0.1135	0.2285	**0.0015**	0.028	320	28.1	4.5	200
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	13320	08/17/99	4	0.35	194	2062	36.3	8.8	133.671984	2.83	8.36	**0.01**	**0.0005**	0.073		0.22	0.0835	0.2935	**0.0001**	0.028	430	24.4	4	100
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	13551	09/28/99	5	0.4	219	1529	19.6	8.35	93.41520806	2.39	8.03	**0**	**0.0025**	0.064		**0.045**	0.0665	0.1115	**0.0025**	0.022	325	24.9	3	600
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	13248	11/02/99	5	0.41	251	1804	17.5	8.41	90.28399729	4.33	8.04	**0**	**0.0025**	0.158		0.21	0.1605	0.3705	**0.0025**	0.026	405	28.1	5.5	100
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	18238	12/07/99	7	0.58	205	1389	13.4	9.56	94.14217962	26.3	7.89	**0.02**	**0.0015**	0.184		0.34	0.2055	0.5255	0.006	0.056	300	23.4	28.5	1800

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	18010	01/11/00	5	0.82	214	1488	14.5			8.84	8.25	**0.01**	**0.001**	1.27		0.46	1.281	1.731	**0.002**	0.02	340	29.1	9	100
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	18035	02/15/00	5	0.56	245	1826	19.5	9.93	111.0913792	2.89	8.23	0.034	**0.0005**	0.086		0.13	0.1205	0.2165	**0**	0.017	445	30.2	1.5	100
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	17778	03/21/00	5	1.8	215	1265	12.8	8.76	84.34006501	15.3	8.13	**0.01**	**0.0015**	0.089		0.7	0.1005	0.7905	**0.0025**	0.037	250	7.27	13	300
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	18667	05/02/00	7	9.66		527	23.2	8.2	99.23895543	76.4		**0**	0.005	**0**		0.77	0.005	0.775	**0.0025**	0.097	80	**0.345**	60	1600
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	21401	06/06/00	5	0.74	198	1186	31.6	8.73	122.050098	1.08	8.24	**0**	**0.002**	0.063		0.12	0.065	0.185	**0.0015**	0.043	420	25.9	1	700
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	18811	07/11/00	4	0.42	185		35.9	5.41	80.87347922	1.95	7.01	**0.025**			**0.025**	0.23	0.05	0.255	**0.0025**	0.019	396	16.5	4	170
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	19298	08/15/00	4	0.06	136	1680	33.7	9.51	137.5971984	2.94	8.42	**0.025**			**0.025**	0.3	0.05	0.325	0.016	0.036	325	11.8	2	1200
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	21493	09/19/00	2	0	148	2.16	26.2	20	256.1082512	31.8	8.74	0.09			**0.025**	0.74	0.115	0.765	0.015	0.158	557	7.4	34	5000
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	21806	10/24/00	4	0.94	169	1244	22.4	6.11	72.58833284	28.9	7.97	**0.025**			0.07	0.28	0.095	0.35	0.009	0.062	241	19.1	16	3000
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	22022	11/28/00	5	1.35	178	805	15.1	9.38	96.49736722	21.2	7.96	**0.025**			0.23	0.4	0.255	0.63	0.013	0.058	216	21.4	15	140
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	22170	01/09/01	6	2.02	165	609	10	10.17	93.48439752	30	7.99	0.05			0.5	0.48	0.55	0.98	0.028	0.056	196	18.4	18	30
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	22500	02/13/01	6	3.68	222	1143	9.8	11.29	101.2637612	16.8	8.23	**0.025**			**0.025**	0.25	0.05	0.275	0.019	0.041	232	26.5	10	300
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	22671	03/20/01	6	3.53	272	1384	20.8	9.94	113.5327595	2.49	8.23	**0.025**			0.06	0.26	0.085	0.32	**0.0025**	0.008	265	29.5	16	10
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	17201	04/20/99	5	4.81	248	803	19.4	8.88	99.20306485	6.96	8.03	**0**	**0.0005**	0.08		0.3	0.0805	0.3805		0.48	67	5.38	9	21000
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	16851	05/18/99	9	38.02	145	236.5	19.4	7.67	85.68553011	343	7.71	0.077	0.009	0.233		1.16	0.319	1.402	0.07	0.43	27	**1**	261	10000
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	13454	06/15/99	7	10.85	258.6	474.7	20.6	7.97	90.90214787	22.3		**0.025**	0.006	0.21		0.67	0.241	0.886	0.049	0.124	41	**0.55**	23.5	200
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	13442	07/13/99	5	3.9	322	887	24.7	8.1	99.75366101	4.34	7.95	**0**	**0.001**	0.073		0.29	0.074	0.364	0.015	0.045	67	26.2	5	200
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	13318	08/17/99	4	0.01	350	845	30.5	5.38	73.81320117	6.13	8.21	**0.01**	**0.0005**	**0.02**		0.22	0.0305	0.2405	0.017	0.054	54	20.6	8	100
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	13543	09/28/99	6	1.9	129	214.5	19.1	8.07	90.15413664	54	7.85	**0**	0.006	0.36		0.43	0.366	0.796	0.075	0.158	32	37.2	33	500
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	13566	11/02/99	6	9.5	160	337	11.5	8.5	79.86467292	75.2	7.72	**0.01**	**0.0005**	0.089		1.44	0.0995	1.5295	0.14	0.27	53	4.67	73.5	1000
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	18240	12/07/99	6	3.9	168	520	6.2	10.03	83.47432483	72.2	7.26	**0**	**0.0025**	0.136		0.84	0.1385	0.9785	0.052	0.164	54	6.31	62.5	800
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	18008	01/11/00	5	3.38	234	788	6.8			9.69	8.23	**0.01**	**0.0025**	0.085		0.48	0.0975	0.5675	0.018	0.046	83	29.3	11.5	100
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	18033	02/15/00	5	3.13	257	856	11.2	1.27	11.93272172	8.81	8.23	0.026	**0.0005**	**0.01**		0.23	0.0365	0.2405	0.011	0.043	92.9	27.2	8.2	100
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	17780	03/21/00	6	7.76	222	489.8	13.9	10.73	105.5132725	26	8.16	**0**	**0.0015**	0.05		0.84	0.0515	0.8915	0.033	0.109	60	8.42	28	400
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	18665	05/02/00	9	160.91	78	207	17.3	8.75	93.80021857	446		**0**	0.013	0.23		1.31	0.243	1.553	0.052	0.357	17	**0.3**	460	7000
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	21398	06/06/00	5	0.92		490	21.7	9.38	109.027472	5.05	8.34	**0**	0.006	0.09		0.15	0.096	0.246	0.026	0.069	92	21.3	1	100
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	18813	07/11/00	5	1.04	243		26.9	7.37	94.24147547	4.69	8.32	**0.025**			0.05	0.23	0.075	0.28	0.041	0.07	57.6	13.2	4	2900
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	21804	10/24/00	7	41.21	66	220	18.3	7.75	84.83850456	675	7.84	0.11			0.87	1.44	0.98	2.31	0.012	0.12	5	96.2	124	310
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	22020	11/28/00	7	23.99	145	280	7.3	7.02	59.91804061	56.4	8.04	**0.025**			0.21	0.6	0.235	0.81	0.043	0.149	32.4	23	56	200
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	22168	01/09/01	7	18.89	188	317.6	3.6	12.33	94.90452471	40.8	8.13	0.05			0.41	0.5	0.46	0.91	0.073	0.116	38.3	22	36	90
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	22498	02/13/01	7	23.8	234	619	7.9	11.77	100.4608743	35.9	8.1	**0.025**			**0.025**	0.34	0.05	0.365	0.059	0.118	44.8	24.3	50	1200
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	22669	03/20/01	5	13.76	296	905	8.9	11.19	97.85171744	6.14	8.22	**0.025**			0.05	0.35	0.075	0.4	0.012	0.048	97.8	25.6	22	130
Captain Creek	OK520700-05-0140C	Lincoln	COTP	17238	04/27/99	9		128	287	14.7	9.05	90.74409675	460	8.79		0.006	0.053		0.74	0.059	0.799		0.25	11.5	6.2	277	1000
Captain Creek	OK520700-05-0140C	Lincoln	COTP	16857	05/25/99	5	10.49	132	627	20.3	7.33	83.38383497	22.2	8.51		**0.0005**	0.1		0.09	0.1005	0.1905	**0.0001**	0.021	25	18.6	10.5	400
Captain Creek	OK520700-05-0140C	Lincoln	COTP	13384	06/22/99	7	15.58	111	328	21.6	7.27	84.28098098	286	7.81	**0.01**	0.006	0.147		0.82	0.163	0.973	0.033	0.162	11	**1**	204	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Captain Creek	OK520700-05-0140C	Lincoln	COTP	13477	07/20/99	5	2.89	235	615	25.1	8.77	109.8139616	14	7.89	**0**	**0.001**	**0.02**		0.12	0.021	0.141	0.007	0.043	28	17.9	29.5	200
Captain Creek	OK520700-05-0140C	Lincoln	COTP	13352	08/23/99	4	0.65	182	592		6.99		9.72	8.36	**0.01**	**0.001**	**0.025**		0.29	0.036	0.316	**0.0025**	0.022	29	16.2	6.5	100
Captain Creek	OK520700-05-0140C	Lincoln	COTP	13458	10/05/99	5	1.4	231	627	11.9	9.92	92.96287167	14.6	7.81	**0.025**	**0.0025**	**0.025**		0.11	0.0525	0.1375	**0.0025**	0.017	27	17.7	13.5	200
Captain Creek	OK520700-05-0140C	Lincoln	COTP	13262	11/08/99	5	1.16	275	569	12.8	9.46	90.71185388	16.7	7.14	**0**	**0.001**	0.31		**0.05**	0.311	0.361	**0.0015**	0.034	25	17.9	37.5	100
Captain Creek	OK520700-05-0140C	Lincoln	COTP	18213	12/13/99	5	6.22	131	562	3.1	12.95	99.41586083	48.9		**0.01**	**0.001**	0.117		0.31	0.128	0.428	0.009	0.065	27	12.3	56.5	100
Captain Creek	OK520700-05-0140C	Lincoln	COTP	18130	01/18/00	5	3.61	264	645	5.6	11.88	96.13719212	10.1		**0**	**0.0005**	0.032		**0.05**	0.0325	0.0825	**0.0025**	0.017	27.5	15.7	12.5	200
Captain Creek	OK520700-05-0140C	Lincoln	COTP	18068	02/22/00	5	4.59	267	602	12.7	10.2	97.80770715	15.1		**0.025**	**0.001**	**0**		0.22	0.026	0.221	**0.0025**	0.007	28.8	16.4	17	400
Captain Creek	OK520700-05-0140C	Lincoln	COTP	17783	03/27/00	5	9.13	133	590	12	9.14	87.6433768	48.5		**0**	**0.0015**	**0**		0.28	0.0015	0.2815	**0.0001**	0.052	23	19.2	36	300
Captain Creek	OK520700-05-0140C	Lincoln	COTP	18675	05/08/00	5	8.54	111	587	22.2	7.75	91.70022372	28.8		**0**	0.005	0.08		0.69	0.085	0.775	0.018	0.067	23	20.2	23	100
Captain Creek	OK520700-05-0140C	Lincoln	COTP	21427	06/12/00	5	6.63	187	594	23.7	7.46	89.91874576	19.9	8.39	0.099	**0.001**	**0**		0.12	0.1	0.121	0.006	0.04	27.5	13.3	23	900
Captain Creek	OK520700-05-0140C	Lincoln	COTP	18997	07/18/00	5	3.32	306	584	24.8	7.07	86.84109789	20.3	8.44	**0.025**			0.06	0.19	0.085	0.25	**0.0025**	0.047	23.8	10.8	2	
Captain Creek	OK520700-05-0140C	Lincoln	COTP	19319	08/22/00	4	0.85	251	619	24.4	5.97	73.3297531	17.2	8.63	**0.025**			**0.025**	0.27	0.05	0.295	0.014	0.058	31.9	7.2	8	510
Captain Creek	OK520700-05-0140C	Lincoln	COTP	21535	09/26/00	4	1.19	246	609	12.6	9.95	95.41045942	78.8	8.01	**0.025**			0.06	0.24	0.085	0.3	0.019	0.114	27.6	27.9		800
Captain Creek	OK520700-05-0140C	Lincoln	COTP	21849	10/31/00	6	10.64	214	524	18.3	8.36	91.27664037	46.2	8.21	**0.025**			0.05	0.38	0.075	0.43	0.045	0.07	16.2	21.8	28	200
Captain Creek	OK520700-05-0140C	Lincoln	COTP	22024	12/04/00	6	11.42	279	733	3.6	13.34	102.409852	11.2	8.43	**0**			0.1	**0.025**	0.1	0.125	0.009	0.027	19.7	14.9	16	110
Captain Creek	OK520700-05-0140C	Lincoln	COTP	22176	01/17/01	5	18.47	264	344	2	14.67	109.6027909	16.7	8.35	**0.025**			0.12	0.1	0.145	0.22	0.007	0.03	19.9	16.7	4	200
Captain Creek	OK520700-05-0140C	Lincoln	COTP	22524	02/21/01	5	16.1	280	684	6.9	12.37	102.6795008	10.4	8.46	**0.025**			**0.025**	0.16	0.05	0.185	0.009	0.02	20.7	15.1	20	150
Captain Creek	OK520700-05-0140C	Lincoln	COTP	22732	03/27/01	5	14.12	293	675	8.2	10.65	92.8859529	8.75	8.4	**0**			0.05	**0.025**	0.05	0.075	0.011	0.011	21.5	16.5	16	300
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	17244	04/28/99	9		97	236	14.8	8.91	89.4640623	343	8.33		0.007	0.058		0.88	0.065	0.945		0.18	11	4.16	196	2000
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	16861	05/25/99	6	5.95	246	789	20.4	7.17	81.67669456	16.7	8.33		**0.001**	0.1		0.08	0.101	0.181	**0.002**	0.033	49	**1**	10.5	100
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	13518	06/22/99	7	14.24	121	409	22.5	7.16	84.8365155	196	7.66	0.094	0.021	0.195		0.72	0.31	0.936	0.013	0.124	13	**1**	160	400
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	13300	07/20/99	7	11.82	345	952	25.2	6.07	76.11105895	17.6	7.7	**0**	**0.002**	0.058		0.15	0.06	0.21	0.019	0.047	82	19	19	100
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	13353	08/23/99	4	0.3	182	1266	25.4	5.26	65.9545585	7.61	8.14	**0.01**	**0.001**	**0.025**		0.39	0.036	0.416	0.011	0.052	14.2	22.9	57	100
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	13522	10/05/99	5	0.44	249	1107	13.1	7.8	76.6064166	71.4	8.04	**0**	**0.0005**	**0.025**		0.35	0.0255	0.3755	**0.0025**	0.076	106	22.5	48.5	400
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	13465	11/08/99	5	0.34	348	924	13.6	6.65	65.31188082	29.6	7.61	**0**	**0.001**	**0.01**		0.24	0.011	0.251	0.031	0.087	60	10.9	35.5	200
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	18212	12/13/99	5	0	141	757	4.2	10.65	84.06132791	47.6		**0.01**	**0.0015**	**0.025**		0.36	0.0365	0.3865	0.036	0.11	57	2.42	37.5	600
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	18129	01/18/00	5	1.21	310	1010	6.6	9.59	79.71384605	27.4		**0**	**0.0015**	**0**		0.4	0.0015	0.4015	0.005	0.048	84	18.8	30.5	200
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	18067	02/22/00	5	0.95	308	995	13.4	7.46	73.26716254	38.9		**0.025**	**0.0005**	**0**		0.39	0.0255	0.3905	0.007	0.061	82	18.4	54	200
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	17784	03/27/00	5	2.3	333	858	13.9	7.26	71.30289545	66.4		0.104	**0.001**	**0**		0.53	0.105	0.531	0.011	0.079	63	8.18	73	200
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	18836	05/08/00	5	2.62	149	699	22.7	7.4	87.68019759	47.8		0.051	0.016	0.163		0.91	0.23	1.089	0.028	0.102	68	2.34	13	100
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	21428	06/12/00	5	1.16	220	617	23.4	5.61	67.71351859	184	7.92	0.146	0.013	**0**		0.85	0.159	0.863	0.105	0.291	74	**0.165**	150	1200
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	18998	07/18/00	5	0.67	404	1218	25.4	5.28	66.20533628	30.2	8.18	**0.025**			0.05	0.32	0.075	0.37	0.024	0.094	166	16.3	18	
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	19320	08/22/00	4	0.18	384	1769	24.8	3.65	44.89519512	20.6	8.44	**0.025**			**0.025**	0.25	0.05	0.275	0.013	0.027	311	10.3	22	390
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	21536	09/26/00	4	0.2	424	1669	15.2	7.32	75.10483486	24.6	8.05	**0.025**			**0.025**	0.14	0.05	0.165	0.029	0.072	254	24.4		160
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	21850	10/31/00	5	2.64	185	530	19.2	7.79	86.91860671	57.8	7.98	0.05			**0.025**	0.46	0.075	0.485	0.057	0.107	42	21	32	500

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	22025	12/04/00	6	2.25	360	826	5.1	14.04	113.7740474	14.7	8.34	**0**			**0.025**	0.05	0.025	0.075	0.013	0.048	78.3	14.3	20	70
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	22177	01/17/01	5	5.08	291	699	2.4	14.78	110.5775697	12.4	8.34	**0.025**			0.09	0.25	0.115	0.34	0.008	0.037	47.2	15.9	10	40
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	22525	02/21/01	5	4.55	334	799	7	13.4	114.2321796	7.26	8.55	**0.025**			**0.025**	0.22	0.05	0.245	0.007	0.027	52.3	15	1	500
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	22733	03/27/01	5	3.65	367	904	8.4	10.44	91.18051463	8.11	8.34	**0**			0.05	**0.025**	0.05	0.075	0.014	0.023	57	16.5	10	170
Little Deep Fork	OK520700-06-0130T	Creek	COTP	17239	04/26/99	9		73	128	15.7	9.52	97.55316473	390	7.78		0.006	0.054		0.75	0.06	0.81		0.43	13	6.2	372	2000
Little Deep Fork	OK520700-06-0130T	Creek	COTP	16865	05/24/99	7	28.59	116	309	22.3	10.89	128.8680568	106	7.84		0.063	0.56		0.64	0.623	1.263	0.007	0.163	44	**1**	67	400
Little Deep Fork	OK520700-06-0130T	Creek	COTP	13576	06/21/99	6	15.36	99	257	23.1	9.81	118.2576182	122	8.06	**0.01**	0.009	0.33		0.76	0.349	1.099	0.01	0.131	42	**1**	82	1500
Little Deep Fork	OK520700-06-0130T	Creek	COTP	13511	07/20/99	5	2.96	93	386	24.7	6.35	78.0060567	14.7	7.3	0.07	0.014	0.3		0.27	0.384	0.584	0.011	0.051	25	2.45	14	300
Little Deep Fork	OK520700-06-0130T	Creek	COTP	13487	08/24/99	2	0	124	510	29.1	7.45	100.2293223	6.36	8.18	0.139	0.016	0.142		0.67	0.297	0.828	**0.002**	0.066	18	3	9.5	200
Little Deep Fork	OK520700-06-0130T	Creek	COTP	13499	10/04/99	4	0.28	85	499	14.6	7.8	78.21915375	12.4	8.02	**0**	**0.0005**	0.177		0.3	0.1775	0.4775	**0.0025**	0.03	78	2.72	10.5	300
Little Deep Fork	OK520700-06-0130T	Creek	COTP	13542	11/09/99	4	0.26	96	512	14.1	7.8	78.21915375	14.8	7.91	**0.01**	**0.0015**	0.098		0.66	0.1095	0.7595	**0.002**	0.048	95	1.92	7.5	500
Little Deep Fork	OK520700-06-0130T	Creek	COTP	18202	12/14/99	6	13.82	112	445	5.9	11.64	94.20559147	61.9		0.049	**0.0015**	0.26		0.49	0.3105	0.7515	**0.0001**	0.106	80	3.3	45.5	600
Little Deep Fork	OK520700-06-0130T	Creek	COTP	18119	01/19/00	5	1.14	135	568	7.7	10.41	88.63025418	13.2		**0**	**0.001**	0.533		0.29	0.534	0.824	0.011	0.027	79.5	15.1	12	200
Little Deep Fork	OK520700-06-0130T	Creek	COTP	18057	02/23/00	6	12.21	119	462	15.8	9.3	95.29878487	150		**0.01**	0.008	0.182		0.87	0.2	1.06	0.03	0.201	58	5.8	124	4200
Little Deep Fork	OK520700-06-0130T	Creek	COTP	17805	03/28/00	5	12.59	128	588	18	9.38	102.4247506	23.2		**0.01**	**0.0015**	**0**		0.48	0.0115	0.4815	**0**	0.049	115	16.6	18	200
Little Deep Fork	OK520700-06-0130T	Creek	COTP	18696	05/09/00	7	28.26	96	480	20.4	11.2	127.4220596	124		0.05	0.016	0.221		1.32	0.287	1.557	0.009	0.178	80	**0.5**	76	5200
Little Deep Fork	OK520700-06-0130T	Creek	COTP	21445	06/13/00	5	3.45	94	559	23.4	7.14	86.071294	13.1	7.46	0.088	0.008	0.2		0.42	0.296	0.628	0.008	0.067	81	2.45	14.1	8500
Little Deep Fork	OK520700-06-0130T	Creek	COTP	19011	07/17/00	5	5.12	175	367	27.2	6.49	84.23866066	13.2	8.01	0.05			0.42	0.37	0.47	0.79	0.017	0.113	**2.5**	7.6	6	
Little Deep Fork	OK520700-06-0130T	Creek	COTP	19310	08/21/00	4	0.78	84	466	27	7.04	91.37753021	12.2	8.28	**0.025**			0.26	0.52	0.285	0.78	0.038	0.104	12.6	**2.5**	18	560
Little Deep Fork	OK520700-06-0130T	Creek	COTP	21520	09/25/00	4	0.04		462	16.3	7.29	76.37042069	6.83	7.86	**0.025**			**0.025**	0.33	0.05	0.355	0.036	0.061	13.2	5.4		300
Little Deep Fork	OK520700-06-0130T	Creek	COTP	21835	10/30/00	6		39	150.3	19.5	7.44	82.90788455	60.8	7.63	**0.025**			0.08	0.6	0.105	0.68	0.048	0.088	13.9	21.2	16	300
Little Deep Fork	OK520700-06-0130T	Creek	COTP	22037	12/04/00	5	10.02	89	263.6	6.5	12.15	100.8646613	32.9	7.57	**0.025**			0.13	0.44	0.155	0.57	0.022	0.057	56.1	17	38	600
Little Deep Fork	OK520700-06-0130T	Creek	COTP	22153	01/16/01	6	27.83	92	244.4	3.8	12.39	95.12746481	25.5	7.47	0.05			0.26	0.54	0.31	0.8	0.013	0.046	59.6	23.8	10	40
Little Deep Fork	OK520700-06-0130T	Creek	COTP	22518	02/21/01	6	29.71	110	289.4	6.6	11.13	92.3970107	45.6	7.66	0.05			0.22	0.46	0.27	0.68	0.028	0.061	28.4	20.2	10	100
Little Deep Fork	OK520700-06-0130T	Creek	COTP	22752	03/26/01	5	20.97	121	419	11.1	11.03	103.3765605	22.1	7.93	**0.025**			0.11	0.62	0.135	0.73	0.02	0.036	50	34.5	30	400
Elm Creek	OK520810-00-0100C	Cleveland	COTP	17236	04/27/99	7	18.13	205	389	16.3	11.48	121.372273	113	8.84		0.01	0.123		0.51	0.133	0.643		0.12	13.5	1.57	88.5	3000
Elm Creek	OK520810-00-0100C	Cleveland	COTP	16873	05/25/99	5	4.35	190	660	20.6	7.66	87.94989193	25.1	8.35		0.007	0.31		0.12	0.317	0.437	0.013	0.046	17	2.1	20	400
Elm Creek	OK520810-00-0100C	Cleveland	COTP	13449	06/22/99	7	25.14	106	368	21.9	9.81	114.7870324	69	6.84	**0.01**	0.007	0.161		0.63	0.178	0.798	0.011	0.105	14	**1**	73	200
Elm Creek	OK520810-00-0100C	Cleveland	COTP	13301	07/20/99	5	4.06	290	614	26.4	7.12	91.65270765	9.89	7.31	**0**	0.006	0.183		0.17	0.189	0.359	0.015	0.041	17	**0.5**	8.5	100
Elm Creek	OK520810-00-0100C	Cleveland	COTP	13355	08/23/99	5	1.25	239	559	26.9	8.12	104.5252789	14.4	8.35	**0.01**	0.007	0.191		0.18	0.208	0.378	**0.0015**	0.035	15.9	8.32	18	100
Elm Creek	OK520810-00-0100C	Cleveland	COTP	13231	10/05/99	5	2.27	254	569	15	9.85	101.8639675	9.42	7.91	**0**	0.007	0.187		0.13	0.194	0.324	**0.0025**	0.026	13	5.1	10.5	100
Elm Creek	OK520810-00-0100C	Cleveland	COTP	13264	11/08/99	5	3.34	272	607	15.4	5.97	61.73887168	7.1	7.39	**0**	0.005	0.105		0.15	0.11	0.26	0.019	0.051	13	1.83	9	100
Elm Creek	OK520810-00-0100C	Cleveland	COTP	18210	12/13/99	5	3.38	202	521	7.1	9.18	78.87763652	18.4		0.053	0.03	0.26		0.54	0.343	0.83	0.031	0.065	14	**0.335**	12.5	200
Elm Creek	OK520810-00-0100C	Cleveland	COTP	18127	01/18/00	5	7.42	239	607	8.9	9.09	80.01897172	6.91		**0**	0.014	0.274		0.15	0.288	0.438	0.015	0.031	14	1.76	6	100
Elm Creek	OK520810-00-0100C	Cleveland	COTP	18065	02/22/00	5	3.47	245	566	13.6	9.89	97.90263468	17.9		**0.025**	0.012	0.22		0.22	0.257	0.452	**0.002**	0.014	15	8.08	4	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Elm Creek	OK520810-00-0100C	Cleveland	COTP	17786	03/27/00	6	10.56		558	16.8	7.07	74.74755835	20.6		**0.01**	0.016	0.12		0.49	0.146	0.626	0.015	0.058	15	3.02	20	200
Elm Creek	OK520810-00-0100C	Cleveland	COTP	18678	05/08/00	7	7.17	161	572	23.3	7.28	88.56689967	34.1		**0**	0.024	0.3		0.81	0.324	1.134	0.035	0.093	18	1.69	28	200
Elm Creek	OK520810-00-0100C	Cleveland	COTP	21430	06/12/00	5	2.89	197	535	24.2	6.91	85.66680875	27.8	8.11	0.086	0.012	0.26		0.26	0.358	0.532	0.025	0.076	12	1.78	28	800
Elm Creek	OK520810-00-0100C	Cleveland	COTP	19001	07/18/00	5	2.54	224	547	25.8	8.54	107.930574	27.7	8.23	**0.025**			0.24	0.23	0.265	0.47	0.023	0.045	7.7	7.3	16	
Elm Creek	OK520810-00-0100C	Cleveland	COTP	19322	08/22/00	5	1.4	266	536	26.4	5.61	72.21512499	30.4	8.43	**0.025**			0.22	0.27	0.245	0.49	0.038	0.069	7.9	**2.5**	38	730
Elm Creek	OK520810-00-0100C	Cleveland	COTP	21538	09/26/00	5	1.28	224	541	16.1	9.1	96.20972857	17.8	8.04	**0.025**			**0.025**	0.28	0.05	0.305	0.042	0.188	9.1	9.1		200
Elm Creek	OK520810-00-0100C	Cleveland	COTP	21852	10/31/00	6	10.45	180	421.6	20.2	7.38	84.73501338	19.7	7.89	0.05			0.17	0.42	0.22	0.59	0.041	0.049	12.6	8.8	26	500
Elm Creek	OK520810-00-0100C	Cleveland	COTP	22030	12/04/00	5	5.08	282	389.4	5.6	11.65	95.15455185	5.24	8.16	**0.025**			0.3	0.36	0.325	0.66	0.023	0.045	10.5	7.1	5	10
Elm Creek	OK520810-00-0100C	Cleveland	COTP	22179	01/17/01	5	8.62	298	470	3.2	13.75	106.5411198	11.6	8.26	0.05			0.25	0.3	0.3	0.55	0.025	0.047	13.5	11.6	14	10
Elm Creek	OK520810-00-0100C	Cleveland	COTP	22522	02/21/01	6	10.12	297	655	7.6	10.56	90.735059	7.57	8.19	0.05			0.23	0.27	0.28	0.5	0.021	0.074	15.3	11.3	1	10
Elm Creek	OK520810-00-0100C	Cleveland	COTP	22735	03/27/01	5	6.97	370	765	8.5	12.15	106.9560513	3.04	8.31	**0.025**			0.2	0.69	0.225	0.89	0.009	0.01	14.3	9.6	6	140
Lagoon Creek	OK620900-01-0180J	Creek	COTP	17242	04/26/99	7	25	98	172.8	16.1	10.29	107.4811287	302	7.55		0.005	**0.023**		0.66	0.028	0.688		0.25	11	1.1	220	2000
Lagoon Creek	OK620900-01-0180J	Creek	COTP	16881	05/24/99	7		93	16.7	19.9	11.1	123.3289591	147	7.82		**0.002**	0.22		0.73	0.222	0.952	0.014	0.146	9	2.2	95.8	400
Lagoon Creek	OK620900-01-0180J	Creek	COTP	13517	06/21/99	7	75.7	121	261	21.4	7.63	88.20386288	89.6	8.05	**0.023**	0.007	0.117		1.06	0.147	1.184	0.026	0.163	21	**1**	123	400
Lagoon Creek	OK620900-01-0180J	Creek	COTP	14889	07/19/99	5	1.94	89	392	29.2	8.08	108.3849723	17.6	8.21	**0.025**	**0.001**	0.055		0.52	0.081	0.576	0.01	0.064	31	2.28	16.5	
Lagoon Creek	OK620900-01-0180J	Creek	COTP	13360	08/24/99	2	0	186	693	25.8	4.96	61.93092104	17.4	7.89	0.045	**0.0005**	**0.02**		0.45	0.0655	0.4705	**0.0025**	0.054	61	47.2	14.5	100
Lagoon Creek	OK620900-01-0180J	Creek	COTP	13228	10/04/99	5	0.76	86	349	14.8	10.66	106.5847091	35.1	7.47	**0**	**0.0005**	**0.02**		**0.05**	0.0205	0.0705	**0.0025**	0.063	34	64		100
Lagoon Creek	OK620900-01-0180J	Creek	COTP	13468	11/09/99	4	1.89	114	447	13.4	7.2	70.41575347	12.7	7.23	**0.01**	**0.0015**	0.087		0.88	0.0985	0.9685	0.006	0.051	37	20.5	18.5	200
Lagoon Creek	OK620900-01-0180J	Creek	COTP	18205	12/14/99	6	11.64	81	228	5.3	10.99	88.68304199	57.4		**0.01**	0.005	0.134		0.63	0.149	0.769	0.022	0.126	17	8.5	34	600
Lagoon Creek	OK620900-01-0180J	Creek	COTP	18122	01/19/00	5	1.57	153	531	6.8	10.98	90.88334135	11.4		**0**	**0.0025**	0.012		0.39	0.0145	0.4045	**0.0025**	0.031	49.5	37.9	7.5	100
Lagoon Creek	OK620900-01-0180J	Creek	COTP	18060	02/23/00	7	68.03	201	1190	11.8	11.06	103.3524752	57.2		**0.025**	**0.0005**	**0**		0.52	0.0255	0.5205	**0**	0.103	220	46.2	117	100
Lagoon Creek	OK620900-01-0180J	Creek	COTP	17802	03/28/00	6	10.04	120	396	16.1	8.44	88.15750496	48.4		**0.01**	**0.002**	**0**		0.76	0.012	0.762	0.008	0.065	27	3.44	35	100
Lagoon Creek	OK620900-01-0180J	Creek	COTP	18683	05/08/00	6	19.69	98	329.7	21.8	7.57	87.51025452	27.8	7.49	**0**	0.009	0.06		1.17	0.069	1.239	0.009	0.085	28	**0.5**	18	200
Lagoon Creek	OK620900-01-0180J	Creek	COTP	21425	06/12/00	6	17.24	138	422.3	24.5	6.08	74.46931642	91.8	7.97	0.097	0.006	0.112		0.64	0.215	0.758	0.017	0.169	44	4.12	85.7	3000
Lagoon Creek	OK620900-01-0180J	Creek	COTP	19006	07/17/00	4	0.45	187	424	28.4	5.43	71.53224739	8.85	8.09	**0.025**			0.07	0.41	0.095	0.48	0.007	0.053	22.4	17.7	2	
Lagoon Creek	OK620900-01-0180J	Creek	COTP	19307	08/21/00	2	0	121	566	24.6	5.35	65.52809915	9.45	8.14	**0.025**			**0.025**	0.36	0.05	0.385	0.006	0.041	60.2	20.8	8	
Lagoon Creek	OK620900-01-0180J	Creek	COTP	21515	09/25/00	2	0	206	1055	14.1	6.25	62.49103486	3.22	8	**0.025**			**0.025**	0.38	0.05	0.405	**0.0025**	0.038	153	72.1	6	
Lagoon Creek	OK620900-01-0180J	Creek	COTP	21821	10/30/00	5	0.12	158	630	19	5.04	55.99801388	5.23	7.8	**0.025**			**0.025**	0.41	0.05	0.435	0.02	0.104	107	37	1	
Lagoon Creek	OK620900-01-0180J	Creek	COTP	22032	12/04/00	4	0.14	138	285	1.9	12.13	87.94911619	4.33	8.07	**0.025**			**0.025**	0.43	0.05	0.455	**0.0025**	0.03	25.2	24.5	5	10
Lagoon Creek	OK620900-01-0180J	Creek	COTP	22148	01/16/01	5	1.29	137	289.2	2.2	12.29	91.56115837	10.4	7.05	**0.025**			0.07	0.29	0.095	0.36	0.008	0.04	45.3	34.6	6	
Lagoon Creek	OK620900-01-0180J	Creek	COTP	22510	02/20/01	5	0.83	111	397.3	5.6	11.07	89.32859643	45	7.66	**0.025**			0.62	0.76	0.645	1.38	0.031	0.089	46.5	32.4	26	
Lagoon Creek	OK620900-01-0180J	Creek	COTP	22758	03/27/01	5	2.17	130	520	9.1	9.3	82.84266061	17.9	8.07	**0.025**			0.05	0.84	0.075	0.89	0.017	0.043	49.3	36.6	36	40
Buckeye Creek	OK620900-01-0220G	Creek	COTP	17243	04/26/99	9		79	118.8	16.4	8.41	87.86707645	186	7.79		**0.0015**	**0.01**		0.88	0.0115	0.8915		0.2	6	3.9	126	2000
Buckeye Creek	OK620900-01-0220G	Creek	COTP	16882	05/24/99	9		72	132.6	20.4	7.49	84.98473841	195	7.38		0.006	0.33		0.76	0.336	1.096	0.01	0.199	10	2.5	110	1700
Buckeye Creek	OK620900-01-0220G	Creek	COTP	13516	06/21/99	5	2.16	120	466	22.1	7.45	87.92374927	31.4	7.94	0.068	0.005	0.23		0.3	0.303	0.535	0.007	0.054	31	79.5	41	400

Appendix B-1. Water quality data for Task 110 intensive sites. (*sum of ammonia, nitrite, and nitrate; **sum of nitrite, nitrate, and TKN)

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Buckeye Creek	OK620900-01-0220G	Creek	COTP	13297	07/19/99	5	2.56	115	475	25.3	7.89	98.54082701	35.1	7.32	0.205	0.009	0.24		0.49	0.454	0.739	0.01	0.066	35	35.2	41	100
Buckeye Creek	OK620900-01-0220G	Creek	COTP	13359	08/24/99	4	0.11	98	425	24.5	6.25	76.57149785	29.9	7.73	0.067	0.006	0.26		0.29	0.333	0.556	**0.0001**	0.072	37	24.5	33.5	100
Buckeye Creek	OK620900-01-0220G	Creek	COTP	13397	10/04/99	5	0.67	83	310	14.3	10.61	106.1124692	21.1	7.69	**0.01**	**0.0005**	0.27		0.24	0.2805	0.5105	**0**	0.032	28.5	54	8.5	100
Buckeye Creek	OK620900-01-0220G	Creek	COTP	13266	11/09/99	4	0.31	107	242	14.6	8.1	81.00951935	16.3	7.47	**0.01**	0.005	0.168		0.41	0.183	0.583	0.007	0.048	24	11.7	11.5	100
Buckeye Creek	OK620900-01-0220G	Creek	COTP	18206	12/14/99	6	1.75	62	290	5.1	11.2	90.4012112	37.9		**0.01**	**0.002**	0.24		0.49	0.252	0.732	0.009	0.083	21	26.2	38.5	600
Buckeye Creek	OK620900-01-0220G	Creek	COTP	18123	01/19/00	5	1.32	109	580	7.2	11.27	95.69466083	10.9		**0.01**	**0.0015**	0.232		0.16	0.2435	0.3935	**0.0025**	0.021	32.4	71.4	6.5	200
Buckeye Creek	OK620900-01-0220G	Creek	COTP	18061	02/23/00	5	2.91	109	309	12.4	9.93	94.97370674	19.8		**0.025**	0.005	0.188		0.46	0.218	0.653	0.009	0.03	29	46.8	21	300
Buckeye Creek	OK620900-01-0220G	Creek	COTP	17801	03/28/00	7	3.15	122	387	13.7	7.74	75.71669207	26.4		**0.01**	**0.002**	**0**		0.44	0.012	0.442	0.005	0.046	26	31.8	14	200
Buckeye Creek	OK620900-01-0220G	Creek	COTP	18682	05/08/00	6	10.41	77	144.7	21.9	7.35	84.98920049	50.9	7.2	**0**	0.009	0.159		1.14	0.168	1.308	0.013	0.112	15	**0.5**	33	200
Buckeye Creek	OK620900-01-0220G	Creek	COTP	21424	06/12/00	6	3.1	142	284.8	24.3	6.87	84.16739043	13.8	8.1	0.075	**0.0025**	0.119		0.23	0.1965	0.3515	0.006	0.063	21	43	20.1	400
Buckeye Creek	OK620900-01-0220G	Creek	COTP	19005	07/17/00	4	1.56	225	455	27.1	5.27	68.21971455	6.66	7.87	**0.025**			0.16	0.23	0.185	0.39	0.009	0.056	29.4	34.5	4	
Buckeye Creek	OK620900-01-0220G	Creek	COTP	19306	08/21/00	4	0.6	119	469.5	23.2	6.68	80.30990443	9.01	7.56	**0.025**			0.23	0.25	0.255	0.48	0.016	0.042	16.9	124	6	
Buckeye Creek	OK620900-01-0220G	Creek	COTP	21514	09/25/00	5	0.64	98	546	14.4	8.19	81.90962512	12.9	7.61	**0.025**			**0.025**	0.09	0.05	0.115	0.013	0.122	26.2	79.6	16	
Buckeye Creek	OK620900-01-0220G	Creek	COTP	21820	10/30/00	6	3.36	65	136.7	18.9	6.35	69.1525705	109	7.65	0.06			0.06	0.46	0.12	0.52	0.039	0.048	9.6	59.2	60	
Buckeye Creek	OK620900-01-0220G	Creek	COTP	22031	12/04/00	5	1.57	88.8	125	2.9	11.64	86.74125733	11.6	8.62	**0.025**			0.19	0.42	0.215	0.61	0.008	0.035	19.3	38.9	10	70
Buckeye Creek	OK620900-01-0220G	Creek	COTP	22147	01/16/01	5	3.03	116	204.3	2.4	12.27	91.4360161	15.9	6.95	**0.025**			0.39	0.1	0.415	0.49	0.01	0.042	18.9	71.9	12	
Buckeye Creek	OK620900-01-0220G	Creek	COTP	22509	02/20/01	5	3.88	133	370.2	6.4	11.57	95.79186784	11.6	7.95	**0.025**			0.22	0.25	0.245	0.47	0.01	0.033	18.6	57.3	4	
Buckeye Creek	OK620900-01-0220G	Creek	COTP	22757	03/27/01	5	3.09	164	422	8.6	9.56	83.1648022	7.23	7.99	**0.025**			0.05	0.28	0.075	0.33	0.01	0.01	25.3	57.4	16	70
Euchee Creek	OK620900-01-0290R	Payne	COTP	17240	04/26/99	9		74	209	15.9	10.93	111.7426752	609	7.69		0.012	0.129		1.39	0.141	1.531		0.6	9	4.48	631	1500
Euchee Creek	OK620900-01-0290R	Payne	COTP	16886	05/24/99	5	20.86	106	651	23.7	13.35	160.5594508	26.3	8.43		0.033	0.73		0.49	0.763	1.253	0.152	0.24	33	45.8	31	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	13618	06/21/99	9		65	132.4	23.1	9.38	112.8125579	481	7.77	0.071	0.018	0.28		1.46	0.369	1.758	0.085	0.388	7	**1**	340	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	14890	07/19/99	5	8.06	201	645	30	7.16	97.76199361	24.4	8.27	0.136	0.017	0.21		0.86	0.363	1.087	0.191	0.293	35	43.1	19	
Euchee Creek	OK620900-01-0290R	Payne	COTP	13361	08/24/99	4	0.49	242	831	27.8	7.68	99.45404793	33.4	8.79	0.04	**0.001**	0.056		1.2	0.097	1.257	0.456	0.604	53	62.8	37	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	13229	10/04/99	5	6.15	176	580	16.7	10.2	106.6086182	29.9	7.29	**0.01**	0.056	2.07		1.23	2.136	3.356	0.925	1.046	34	47.7	30.5	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	13413	11/09/99	4	4.34	144	502	16.2	6.45	67.41427325	22.9	7.07	**0.02**	0.014	0.31		1.01	0.344	1.334	0.372	0.554	28	30.8	26.5	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	18203	12/14/99	6	12.69	90	286	5.8	10.37	83.7330565	92.4		0.075	0.016	0.65		0.92	0.741	1.586	0.139	0.292	12.5	8.1	61.5	300
Euchee Creek	OK620900-01-0290R	Payne	COTP	18120	01/19/00	5	4.15	221	736	7.4	13.61	115.6069326	11.7		2.1	0.102	2.22		3.75	4.422	6.072	1	1.26	46	57.4	14	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	18058	02/23/00	6	17.97	255	780	13.3	12.81	125.3608023	83.4		1.77	0.155	2.15		3.74	4.075	6.045	1.44	1.56	57	56	37	200
Euchee Creek	OK620900-01-0290R	Payne	COTP	17804	03/28/00	7	12.62	133	439	16.6	7.86	82.15134694	59.4		**0.01**	0.051	0.31		0.72	0.371	1.081	0.224	0.347	21	38.2	56	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	18694	05/09/00	6	13.21	154	277	22	7.48	88.31073225	108		0.142	0.067	1.05		1.4	1.259	2.517	0.194	0.369	25	38.2	61	1400
Euchee Creek	OK620900-01-0290R	Payne	COTP	21446	06/13/00	5	4.19	240	780	26.4	4.93	62.73743671	30.6	8.32	0.093	0.061	1.7		0.96	1.854	2.721	0.553	0.997	36	47.1	35	100
Euchee Creek	OK620900-01-0290R	Payne	COTP	19010	07/17/00	5	3.22	276	625	29.6	6.24	83.75632214	42.9	8.79	**0.025**			**0.025**	0.28	0.05	0.305	0.075	0.425	27.4	44.4	18	
Euchee Creek	OK620900-01-0290R	Payne	COTP	19309	08/21/00	5	1.7	229	698	28.9	11.25	148.296145	76.9	9.5	**0.025**			**0.025**	1.74	0.05	1.765	0.745	0.92	48.6	51.5	56	10
Euchee Creek	OK620900-01-0290R	Payne	COTP	21519	09/25/00	5	1.7		841	18.5	6.92	75.38807585	41	8.57	**0.025**			**0.025**	0.99	0.05	1.015	1.31	1.756	66.6	69.1		150
Euchee Creek	OK620900-01-0290R	Payne	COTP	21825	10/30/00	6	15.19	84	206.5	21.7	7.05	81.55066057	68.5	7.78	0.08			0.34	0.74	0.42	1.08	0.078	0.248	6.1	27.4	34	1100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Euchee Creek	OK620900-01-0290R	Payne	COTP	22036	12/04/00	5	4.44	116	244.5	5.4	11.95	96.49084139	29.6	8.03	**0.15**			1.05	0.81	1.2	1.86	0.229	0.343	12.4	28	22	40
Euchee Creek	OK620900-01-0290R	Payne	COTP	22152	01/16/01	6	13.4	142	225.6	3.1	12.66	96.9756747	24.4	7.64	0.37			0.75	0.93	1.12	1.68	0.163	0.215	14.1	33.7	16	60
Euchee Creek	OK620900-01-0290R	Payne	COTP	22514	02/20/01	6	14.33	213	512	7.5	12.32	104.6493321	23.6	8.38	0.59			0.7	1.07	1.29	1.77	0.243	0.325	24.4	42.6	12	70
Euchee Creek	OK620900-01-0290R	Payne	COTP	22762	03/27/01	5	11.46	255	730	10.5	19.31	176.3951868	9.33	9.13	**0.025**			0.06	0.45	0.085	0.51	0.28	0.46	41.6	56.7	1	10
Council Creek	OK620900-02-0050H	Payne	COTP	17241	04/26/99	9		90	217	15.6	9.98	102.0951043	603	7.62		0.006	0.088		1.09	0.094	1.184		0.45	15.5	6.96	508	1000
Council Creek	OK620900-02-0050H	Payne	COTP	16889	05/24/99	7	46.87	105	224	20.2	11.31	128.4574108	139	7.81		0.008	0.27		0.91	0.278	1.188	0.029	0.19	15	3.5	145	1700
Council Creek	OK620900-02-0050H	Payne	COTP	13592	06/21/99	7	49.89	90	166.1	22.5	8.11	95.80942099	676	7.85	**0.023**	0.11	0.39		1.95	0.523	2.45	0.033	0.55	11	**1**	505	4500
Council Creek	OK620900-02-0050H	Payne	COTP	13424	07/19/99	5	2.93	205	778	28.3	8.83	116.46985	10.8	8.01	**0.01**	**0.0015**	0.151		0.42	0.1625	0.5725	0.015	0.05	67	33.3	6	100
Council Creek	OK620900-02-0050H	Payne	COTP	13432	08/24/99	4	0.22	326	1046	23.6	6.5	78.2246157	6.67	8.09	0.059	0.012	0.29		0.51	0.361	0.812	0.006	0.06	102	42.2	8	100
Council Creek	OK620900-02-0050H	Payne	COTP	13521	10/04/99	4	0.43	219	707	12.4	10.14	97.07994686	11	8.03	**0**	0.005	0.37		0.36	0.375	0.735	**0**	0.032	59	25.8	11.5	400
Council Creek	OK620900-02-0050H	Payne	COTP	13267	11/09/99	4	0.12	206	576	14	8.07	80.79081817	19.9	7.4	**0.01**	**0.002**	0.12		1.01	0.132	1.132	**0.0015**	0.086	42	2	17.5	100
Council Creek	OK620900-02-0050H	Payne	COTP	18204	12/14/99	6	1.32	96	344	5.2	11.49	92.8354165	51.3		**0.02**	0.007	0.27		0.75	0.297	1.027	0.023	0.121	30	6.7	40.5	600
Council Creek	OK620900-02-0050H	Payne	COTP	18121	01/19/00	5	2.15	233	902	7.1	11.72	99.61594016	6.37		**0**	0.005	0.188		0.23	0.193	0.423	**0.0025**	0.024	85	32.8	9.5	200
Council Creek	OK620900-02-0050H	Payne	COTP	18059	02/23/00	7	21.54	223	835	12.5	10.19	97.55864483	191		**0**	**0.002**	**0**		0.73	0.002	0.732	**0.002**	0.271	85	33.6	382	1700
Council Creek	OK620900-02-0050H	Payne	COTP	17803	03/28/00	6	6.13	187	487	15.5	9.09	92.99043064	55.6		**0.02**	0.011	**0**		0.71	0.031	0.721	0.009	0.072	40	4.34	34	200
Council Creek	OK620900-02-0050H	Payne	COTP	18695	05/09/00	6	13.65		282	20	8.97	101.8800155	335		0.041	0.016	**0**		2.35	0.057	2.366	0.124	0.462	29	**0.5**	160	10000
Council Creek	OK620900-02-0050H	Payne	COTP	21447	06/13/00	5	3.04	323	977	25.1	7.37	92.13913323	7.91	8.33	0.058	**0.002**	0.087		0.47	0.147	0.559	**0.002**	0.078	52	32.1	9.5	600
Council Creek	OK620900-02-0050H	Payne	COTP	19009	07/17/00	4	1.06	299	645	27.9	7.48	96.92555924	9.37	8.38	0.06			0.11	0.37	0.17	0.48	0.007	0.054	36.4	21	2	
Council Creek	OK620900-02-0050H	Payne	COTP	19308	08/21/00	2	0	208	782	24.4	2.56	31.39529192	8.28	8.26	**0.025**			0.09	0.52	0.115	0.61	0.009	0.059	95.3	13.2	8	20
Council Creek	OK620900-02-0050H	Payne	COTP	21518	09/25/00	2	0		8.57	15.5	10.22	104.5502972	7.9	8.32	**0.025**			**0.025**	0.38	0.05	0.405	0.007	0.074	19.9	9.1		50
Council Creek	OK620900-02-0050H	Payne	COTP	21824	10/30/00	5	0.04	297	1042	24.9	3.41	41.81950994	7.97	7.93	**0.025**			**0.025**	0.97	0.05	0.995	0.097	0.177	96.3	12.6	1	160
Council Creek	OK620900-02-0050H	Payne	COTP	22035	12/04/00	5	0.24	265	546	5.2	14.37	116.1048682	4.95	7.93	**0.025**			0.18	0.41	0.205	0.59	0.005	0.042	118	21.5	16	70
Council Creek	OK620900-02-0050H	Payne	COTP	22151	01/16/01	5	1.15	188	353.6	3.2	13.9	106.54164	12.7	8.53	0.11			0.34	0.74	0.45	1.08	0.008	0.072	71.5	27.5	4	30
Council Creek	OK620900-02-0050H	Payne	COTP	22513	02/20/01	5	1.36	204	604	8.5	12.44	108.3276899	26.3	8.38	**0.025**			0.32	0.58	0.345	0.9	0.02	0.069	86.8	27.7	12	120
Council Creek	OK620900-02-0050H	Payne	COTP	22761	03/27/01	5	3.17	191	687	10.4	12.38	113.1619897	18.9	8.55	**0.025**			0.06	1.9	0.085	1.96	0.02	0.046	83.6	30.1	60	130
Doga Creek	OK621200-02-0020M	Osage	COTP	17228	04/19/99	5	9.48	227	439	16.4	12.25	128.4132553	11.1	8.48		**0.0005**	**0.025**		0.47	0.0255	0.4955		0.04	13	**1.91**	6	4200
Doga Creek	OK621200-02-0020M	Osage	COTP	16896	05/17/99	9	38.2	193	386	20.1	8.63	98.24568972	155	8.32		0.008	0.126		0.88	0.134	1.014	0.02	0.17	10	**1**	135	7500
Doga Creek	OK621200-02-0020M	Osage	COTP	13564	06/14/99	5	8.86	86	272	22.2	9.98	118.1745762	53.7	7.95	0.055	0.013	0.23		0.48	0.298	0.723	0.022	0.085	7	5.8	27	900
Doga Creek	OK621200-02-0020M	Osage	COTP	13376	07/12/99	5	7.79	89	295	23.1	7.65	92.27789259	40.7	6.39	**0.025**	0.005	0.18		0.75	0.21	0.935	0.019	0.097	9	**0.5**	22	100
Doga Creek	OK621200-02-0020M	Osage	COTP	13324	08/16/99	5	0.3	165	553	25.9	10.79	135.2085733	9	7.67	**0**	**0.001**	0.091		0.26	0.092	0.352	0.009	0.024	24	23.7	8	100
Doga Creek	OK621200-02-0020M	Osage	COTP	13577	09/27/99	6	3.11	114	309	18.6	7.14	78.01469241	72	7.6	**0**	0.006	0.27		0.55	0.276	0.826	0.006	0.108	11	**1**	50.5	1500
Doga Creek	OK621200-02-0020M	Osage	COTP	13586	11/01/99	6	4.02	135	309	14.6	6.1	61.21029288	84.4	6.99	**0.02**	**0.001**	**0**		1.17	0.021	1.171	0.06	0.132	10	3.12	90.5	2300
Doga Creek	OK621200-02-0020M	Osage	COTP	18221	12/06/99	6	15.52	75	231	4.8	11.91	93.94682603	63.2		**0**	0.01	0.51		0.69	0.52	1.21	0.024	0.136	8	7.2	51	4800
Doga Creek	OK621200-02-0020M	Osage	COTP	18109	01/10/00	5	3.35	145	615	4.6	11.39	89.84503346	7.73		**0**	**0.0005**	0.27		0.27	0.2705	0.5405	0.006	0.023	12.5	20.6	6	100
Doga Creek	OK621200-02-0020M	Osage	COTP	18070	02/14/00	5	1.2	228	637	3.9	10.89	83.66399688	13		0.024	**0.002**	0.174		0.17	0.2	0.346	**0.0025**	0.025	17	26.5	5	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Doga Creek	OK621200-02-0020M	Osage	COTP	17311	03/20/00	6	17.67	149	394	7.3	10.95	93.28707941	26		**0**	**0.0015**	**0**		0.56	0.0015	0.5615	0.008	0.05	10	5.82	18	100
Doga Creek	OK621200-02-0020M	Osage	COTP	18685	05/08/00	5	4.11	260	528	23	8.02	96.74100635	11.6	7.91	**0**	0.015	0.16		0.76	0.175	0.935	0.007	0.061	13.5	2.63	12	100
Doga Creek	OK621200-02-0020M	Osage	COTP	21426	06/12/00	5	3.36	285	523	24.5	8.65	106.3277977	7.17	8.14	0.058	**0.0015**	0.014		0.29	0.0735	0.3055	**0.0015**	0.074	12	20.9	8	600
Doga Creek	OK621200-02-0020M	Osage	COTP	19008	07/17/00	5	0.47	252	517	26.6	5.65	72.11239564	10.8	8.14	**0.025**			0.13	0.32	0.155	0.45	0.008	0.053	**2.5**	13	2	
Doga Creek	OK621200-02-0020M	Osage	COTP	19312	08/21/00	2	0	202	507	26	6.3	80.40851195	19.6		**0.025**			0.08	0.31	0.105	0.39	0.021	0.072	14.7	10.1	20	860
Doga Creek	OK621200-02-0020M	Osage	COTP	21517	09/25/00	2	0		557	13	7.3	71.65015225	7.68	7.9	0.07			**0.025**	0.42	0.095	0.445	0.019	0.097	25.3	17.6	32	600
Doga Creek	OK621200-02-0020M	Osage	COTP	21823	10/30/00	5	0.31	192	434.5	19.9	3	33.45185959	13.1	7.61	**0.025**			**0.025**	0.51	0.05	0.535	0.033	0.118	18.9	15.4	1	300
Doga Creek	OK621200-02-0020M	Osage	COTP	22034	12/04/00	5	0.06	190	298.5	3.7	14.47	111.1678636	5.12	6.37	**0.025**			0.11	0.36	0.135	0.47	0.005	0.051	10.1	13.2	6	300
Doga Creek	OK621200-02-0020M	Osage	COTP	22150	01/16/01	5	0.78	181	235.2	1.4	13.92	101.290062	7.78	7.25	**0.025**			0.54	0.64	0.565	1.18	0.008	0.05	12.2	20.8	6	70
Doga Creek	OK621200-02-0020M	Osage	COTP	22512	02/20/01	5	1.72	158	355.1	6.6	12.07	100.2642567	29.7	8.19	**0.025**			0.56	0.67	0.585	1.23	0.019	0.063	7.5	25.9	10	100
Doga Creek	OK621200-02-0020M	Osage	COTP	22760	03/27/01	5	2.86	207	519	9.2	12.7	113.5355149	5.55	8.56	**0.025**			0.05	0.45	0.075	0.5	0.01	0.014	10.8	22.9	26	400
Camp Creek	OK621200-03-0040F	Pawnee	COTP	17232	04/19/99	5	3.29	187	576	14.3	9.23	92.40732155	3.43	8.32		**0.0005**	**0.025**		0.27	0.0255	0.2955		0.02	19	38.8	3	34200
Camp Creek	OK621200-03-0040F	Pawnee	COTP	16899	05/17/99	9	45.11	124	250	19.9	9.38	104.3546745	457	7.9		0.016	0.383		3.19	0.399	3.589	0.11	1.65	10	**1**	1475	40000
Camp Creek	OK621200-03-0040F	Pawnee	COTP	13520	06/14/99	6	14.64	124	366	22.5	7.98	94.27715372	35.9	7.98	**0**	0.01	0.24		0.52	0.25	0.77	0.013	0.078	10	**1**	23	400
Camp Creek	OK621200-03-0040F	Pawnee	COTP	13374	07/12/99	7	39.69	99	219	23.9	5.23	62.94307852	58.4		**0.025**	0.012	0.28		0.6	0.317	0.892	0.026	0.107	7	**0.5**	39	100
Camp Creek	OK621200-03-0040F	Pawnee	COTP	13321	08/16/99	4	0.63	193	681	25.5	9.02	112.7715064	4.64	7.86	**0.01**	**0.0015**	0.14		0.21	0.1515	0.3515	0.007	0.032	25	39.8	5	100
Camp Creek	OK621200-03-0040F	Pawnee	COTP	13529	09/27/99	6	15.33	93	284	20.4	7.6	86.32296744	38.4	7.7	**0**	0.009	0.28		0.39	0.289	0.679	0.026	0.078	11	6.9	28	400
Camp Creek	OK621200-03-0040F	Pawnee	COTP	13571	11/01/99	6	15.25	118	259	14.5	6.21	62.17220659	40.8	7.11	**0.01**	**0.001**	**0.01**		0.91	0.021	0.921	0.078	0.111	9	2.47	38.5	1200
Camp Creek	OK621200-03-0040F	Pawnee	COTP	18225	12/06/99	6	18.44	101	268	5.8	10.95	88.47569655	46.7		**0**	0.008	**0**		0.58	0.008	0.588	0.018	0.089	9	4.8	36	2800
Camp Creek	OK621200-03-0040F	Pawnee	COTP	18089	01/11/00	5	4.86	233	557	4.4	12.1	95.22824482	9.52	8.52	**0.01**	**0.0025**	0.162		0.3	0.1745	0.4645	**0.0015**	0.023	15	36.2	9	100
Camp Creek	OK621200-03-0040F	Pawnee	COTP	18028	02/15/00	5	2.63		402.8	5.9	11.13	89.93009157	4.64	8.42	0.027	**0.001**	0.053		0.34	0.081	0.394	**0.0025**	0.024	20	43	4	100
Camp Creek	OK621200-03-0040F	Pawnee	COTP	17763	03/20/00	7	72.47	121	303.8	9.5	11.35	101.2357567	35.2	8.39	**0.01**	**0.002**	0.289		0.68	0.301	0.971	**0.0001**	0.084	11.5	9.92	21	600
Camp Creek	OK621200-03-0040F	Pawnee	COTP	18684	05/08/00	6	19.64	194	404.1	23.2	9.11	109.6388997	20.4	7.83	**0**	0.014	0.204		1.04	0.218	1.258	0.013	0.076	13	25.7	13	100
Camp Creek	OK621200-03-0040F	Pawnee	COTP	21448	06/13/00	5	4.15	177	581	25.7	7.84	98.01869295	13.1	8.15	0.063	**0.0015**	0.036		0.3	0.1005	0.3375	0.005	0.069	12	27.2	12.7	300
Camp Creek	OK621200-03-0040F	Pawnee	COTP	19007	07/17/00	5	2.51	202	368	27.9	5.45	70.62353137	8	8	**0.025**			0.14	0.37	0.165	0.51	0.013	0.04	**2.5**	14.4	14	
Camp Creek	OK621200-03-0040F	Pawnee	COTP	19311	08/21/00	4	0.08	195	410.8	24.9	4.93	60.4627212	8.74		**0.025**			0.06	0.31	0.085	0.37	0.015	0.073	22.8	10.8	10	
Camp Creek	OK621200-03-0040F	Pawnee	COTP	21516	09/25/00	2	0	213	1006	14.1	5.5	55.06395109	10.6	7.26	**0.025**			**0.025**	0.14	0.05	0.165	0.005	0.046	44.1	51.1	20	
Camp Creek	OK621200-03-0040F	Pawnee	COTP	21822	10/30/00	5	0.71	200	427.1	19.6	4.42	49.17352465	7.52	7.79	**0.025**			**0.025**	0.46	0.05	0.485	0.013	0.07	9.8	18.8	1	170
Camp Creek	OK621200-03-0040F	Pawnee	COTP	22033	12/04/00	5	0.63	190	251.9	3.3	10.78	82.6303416	4.15	7.84	**0.025**			**0.025**	0.49	0.05	0.515	0.009	0.056	11.1	17.8	4	10
Camp Creek	OK621200-03-0040F	Pawnee	COTP	22149	01/16/01	5	2.47	205	300.6	2.4	11.27	84.07178986	9.52	7.21	**0.025**			0.16	0.39	0.185	0.55	0.028	0.063	10.1	34.5	2	
Camp Creek	OK621200-03-0040F	Pawnee	COTP	22511	02/20/01	5	2.99	192	505	6.7	11.95	99.04141414	15.1	8.35	**0.025**			**0.025**	0.41	0.05	0.435	0.01	0.05	37.3	35.9	6	40
Camp Creek	OK621200-03-0040F	Pawnee	COTP	22759	03/27/01	5	3.73	171	462	9.1	10.04	89.55127728	14.9	8.22	**0.025**			**0.025**	0.56	0.05	0.585	0.017	0.033	16.2	33.2	28	200
North Bird Creek	OK121300-03-0320M	Osage	FH	17222	04/20/99	4	1.77	186	426	16.2	9.36	98.25789203	12.2	8.4		**0.0005**	**0.025**		0.32	0.0255	0.3455		0.04	13	35.5	9.5	3200
North Bird Creek	OK121300-03-0320M	Osage	FH	16636	05/18/99	9	27.34	218	462	19.5	9.24	103.1784048	51	8.15		**0.0015**	0.059		0.19	0.0605	0.2505	**0.0015**	0.07	17	29	41	2100
North Bird Creek	OK121300-03-0320M	Osage	FH	13199	06/15/99	5	4.33	132	413	26.3	8.08	103.2739204	13	8.33	**0.01**	0.007	**0.025**		0.26	0.042	0.292	**0.0025**	0.034	8	**0.55**	13	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
North Bird Creek	OK121300-03-0320M	Osage	FH	13170	07/13/99	6	12.03	107	404	22.9	8.66	102.6902548	27.8	7.81	**0.025**	**0.0015**	0.066		0.27	0.0925	0.3375	**0.0025**	0.05	17.5	23.2	30	200
North Bird Creek	OK121300-03-0320M	Osage	FH	13169	08/16/99	2	0	156	404	29.1	7.99	107.7157575	18.1	7.58	**0**	**0.0005**	**0.01**		0.25	0.0105	0.2605	**0**	0.041	11	20.2	17	100
North Bird Creek	OK121300-03-0320M	Osage	FH	13509	09/28/99	5	4.66	103	346	16.9	7.62	79.99200185	32	7.88	**0**	**0.001**	0.056		0.29	0.057	0.347	**0.0025**	0.051	12	31.9	20	300
North Bird Creek	OK121300-03-0320M	Osage	FH	13561	11/01/99	5	7.32	121	398	16.5	9.56	100.3574196	15.3	7.61	**0**	**0.0025**	**0.01**		0.27	0.0125	0.2825	0.01	0.027	20	27	30	800
North Bird Creek	OK121300-03-0320M	Osage	FH	18229	12/06/99	7		63	242	7.1	11.47	97.8562621	129		**0**	0.008	0.051		0.58	0.059	0.639	0.017	0.166	9	12.3	108	1700
North Bird Creek	OK121300-03-0320M	Osage	FH	18105	01/10/00	5	5.13	192	587	5.7	11.9	96.50828569	7.09		**0.02**	**0.0025**	**0**		**0.05**	0.0225	0.0525	**0.0001**	0.017	31	34.4	14	100
North Bird Creek	OK121300-03-0320M	Osage	FH	18074	02/14/00	5	3.42	186	578	5.7	11.31	91.72342111	8.19		0.026	**0.0005**	**0**		**0.05**	0.0265	0.0505	**0.0025**	0.015	30	45.4	5.5	100
North Bird Creek	OK121300-03-0320M	Osage	FH	17307	03/20/00	7		152	389	1.02	11.29	82.26959721	23.7		**0**	**0.001**	**0**		0.33	0.001	0.331	0.009	0.043	13	40.4	17	100
North Bird Creek	OK121300-03-0320M	Osage	FH	18651	05/02/00	6	19.19	137	437.2	18.3	7.64	83.59674634	50.8	7.99	**0**	**0.002**	**0**		0.42	0.002	0.422	**0.0025**	0.07	26	31.4	46	2400
North Bird Creek	OK121300-03-0320M	Osage	FH	21386	06/06/00	5	1.35	205	378.6	21.4	6.33	73.54303151	15.6	7.99	**0**	**0.0025**	**0.01**		0.32	0.0125	0.3325	**0.002**	0.084	12	24.3	29	100
North Bird Creek	OK121300-03-0320M	Osage	FH	18823	07/11/00	5	1.41	269	518	29.8	6.56	88.43746798	9.5	7.96	**0.025**			0.05	0.11	0.075	0.16	0.005	0.024	6.5	19.7	7	400
North Bird Creek	OK121300-03-0320M	Osage	FH	19136	08/15/00	2	0	178	385.3	25.8	6.14	77.04935083	14.5		**0.025**			**0.025**	0.25	0.05	0.275	0.009	0.03	6.8	19.9	2	110
North Bird Creek	OK121300-03-0320M	Osage	FH	21495	09/19/00	2	0	130	366.5	19.8	6.21	69.34392789	28.6		0.12			0.05	0.35	0.17	0.4	0.028	0.062	13.7	21.4	58	700
North Bird Creek	OK121300-03-0320M	Osage	FH	21808	10/24/00	2	0	131	348	18.4	1.93	21.11802623	69.1	7.36	**0.025**			**0.025**	0.56	0.05	0.585	0.051	0.089	11.9	24.6	50	1000
North Bird Creek	OK121300-03-0320M	Osage	FH	22007	11/28/00	2	0	211	315.6	5.1	10.28	83.37018293	14.3	7.89	**0.025**			**0.025**	0.12	0.05	0.145	0.011	0.043	10.1	28.2	15	100
North Bird Creek	OK121300-03-0320M	Osage	FH	22162	01/09/01	6	0.18	162	239.6	0.9	11.6	82.15480289	4.1	7.33	**0.025**			0.08	0.33	0.105	0.41	0.009	0.036	7.7	15.5	5	50
North Bird Creek	OK121300-03-0320M	Osage	FH	22492	02/13/01	7	20.75	100	218	4.5	11.35	89.65696627	137	7.75	0.07			0.71	0.56	0.78	1.27	0.12	0.122	5.4	43.6	48	600
North Bird Creek	OK121300-03-0320M	Osage	FH	22715	03/20/01	5	16.56	142	365	8.2	11.41	99.73066717	36.6	8.17	**0.025**			0.26	0.34	0.285	0.6	0.044	0.064	6.4	32.2	10	500
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	17231	04/19/99	5	17.95	167	868	14.5	11.33	113.2584168	14.4	8.33		**0.0005**	0.31		0.36	0.3105	0.6705		0.08	130	44.8	12.5	3600
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	16639	05/17/99	9	44.88	109	453	20	9.11	103.315871	488	8.08		0.008	0.279		1.33	0.287	1.617	0.01	0.49	70	**1**	488	6000
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	13570	06/14/99	9	19.58	121	312	22.9	9.02	106.4010721	65.6	7.86	**0.025**	0.034	0.37		0.55	0.429	0.954	0.186	0.33	38.5	**1**	94	1200
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	13603	07/12/99	5	3.33	126	605	25.7	6.84	85.3856407	13.7	6.86	**0.025**	**0.0015**	0.093		0.36	0.1195	0.4545	**0.0001**	0.047	55	35.2	26	
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	13322	08/16/99	2	0	153	1048	24.9	7.31	89.51463443	12		**0**	0.009	1.15		0.34	1.159	1.499	0.235	0.271	260	32	10	200
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	13506	09/27/99	4	2.63		701	20	7.62	86.41788553	37.6	7.62	**0**	**0.001**	0.115		0.26	0.116	0.376	**0.0025**	0.06	172	29.3	67.5	300
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	13241	11/01/99	6	4.67	128	692	14.6	7.92	79.17093215	27.5	7.63	**0**	**0.0025**	**0.01**		0.29	0.0125	0.3025	0.016	0.046	92	38.7	24.5	100
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	18223	12/06/99	5	14.19	83	366	5.7	10.6	85.51683753	132		**0**	0.008	0.27		0.61	0.278	0.888	0.015	0.187	52	8.6	119	6000
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	18091	01/11/00	5	11.41	174	525	5.5	13.54	109.2356585	6.48	8.45	**0.01**	**0.0025**	0.067		0.32	0.0795	0.3895	**0.0015**	0.024	140	58.4	8	800
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	18030	02/15/00	5	1.93		1101	6.6	12.74	105.4275832	5.32	8.29	0.03	**0.0015**	0.33		0.4	0.3615	0.7315	0.037	0.065	235	46.6	5.5	100
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	17762	03/20/00	9	131.53								**0.015**	**0.002**	0.16		0.63	0.177	0.792	0.006	0.074	50	11.5	35	700
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	18645	05/01/00	7		98	270.4	17.6	8.28	88.25899441	249	7.57	**0**	0.01	0.25		1.25	0.26	1.51	0.014	0.239	27	**0.11**	235	11000
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	21367	06/05/00	6	37.62	186	1047	23.8	7.16	86.03897128	40.8	7.7	**0**	0.007	0.179		0.34	0.186	0.526	0.019	0.126	97	35.4	70	100
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	18809	07/10/00	5	12.05	214	893	29.1	8.64	115.8708866	5.89	8.12	0.05			0.35	0.18	0.4	0.53	0.062	0.108	145	23.9	4	240
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	19130	08/14/00	5	1.55	139	1457	29.9	14.6	195.8003408	2.69	8.46	**0.025**			1.45	0.47	1.475	1.92	0.418	0.531	289	26.9	2	210
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	21468	09/18/00	4	0.41	106	1472	21.2	9.5	109.7967664	1.51		0.14			6.47	0.59	6.61	7.06	1.267	1.33	419	25.6	3	
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	21785	10/23/00	5	7.02	93	787	19	8.82	97.97461148	46.6	7.8	**0.025**			0.4	0.63	0.425	1.03	0.049	0.121	203	24.4	32	

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	22001	11/27/00	5	4.28	141	598	6.2	13.2	109.2342306	6.63	7.95	**0.025**			0.52	0.36	0.545	0.88	0.066	0.106	217	31.2	6	
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	22156	01/08/01	7	104.79	128	456	1	12.94	93.80107862	49.4	8.36	0.14			0.72	0.64	0.86	1.36	0.089	0.15	176	48.9	52	150
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	22486	02/12/01	6	42.02	89	531	4.7	12.32	96.81151418	76.6	7.87	0.05			0.31	0.47	0.36	0.78	0.084	0.138	91	41.3	44	4100
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	22703	03/19/01	5	33.13	129	440	9.4	11.54	102.7731756	22.3	8.18	**0.025**			0.2	0.3	0.225	0.5	0.005	0.047	97.2	37	60	200
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	17230	04/19/99	5	4.62	182	765	15.1	11.33	115.8666432	7.64	8.36		**0.0005**	0.07		0.27	0.0705	0.3405		0.02	96	58	5.5	600
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	16642	05/17/99	9	22.98	104	429	19.9	8.84	98.31035492	746	8.12		0.007	0.225		1.22	0.232	1.452	0.01	0.63	52	**1**	552	7500
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	13560	06/14/99	9	7.53	109	296	23.7	7.41	89.14611657	69.4	7.73	**0**	0.009	**0.025**		0.28	0.034	0.314	0.016	0.086	25	**1**	45	800
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	13532	07/12/99	5	19.47	112	594	25.6	7.66	95.73253156	21	7.02	**0.025**	**0.002**	0.15		0.43	0.177	0.582	0.012	0.08	87	32.7	35	500
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	13484	08/16/99	4	0.04	243	1278	25.2	10.33	129.1014427	7.15	7.54	**0.01**	**0.0005**	0.074		0.11	0.0845	0.1845	0.008	0.036	255	41.3	6	100
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	13507	09/27/99	6	4.51	121	941	20.5	5.86	66.5347171	91.2	7.59	**0.01**	**0.0015**	0.27		0.25	0.2815	0.5215	0.055	0.12	196	23.5	46.5	300
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	13501	11/01/99	6	14.2	137	1551	15.3	8.2	83.85758817	25	7.61	**0**	**0.0025**	0.24		0.25	0.2425	0.4925	0.038	0.059	365	31.6	38	300
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	18224	12/06/99	7	23.36	89	368	6	10.65	88.23410094	128		**0**	0.008	**0**		0.77	0.008	0.778	0.009	0.196	42	9.9	107	10000
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	18090	01/11/00	5	4.98	170	940	5.7	15.72	126.9697728	8.23	8.29	**0**	**0.0025**	0.25		0.26	0.2525	0.5125	0.027	0.047	172	34	7	100
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	18029	02/15/00	5	7.02		925	6.3	14.3	118.4739571	5.68	8.47	0.025	**0.0005**	**0.01**		0.31	0.0355	0.3205	**0.0025**	0.021	190	65.4	6	100
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	17759	03/20/00	7	76.15	128	412.7	10.2	12.43	113.5808719	29.5	8.23	**0.02**	**0.002**	0.075		0.76	0.097	0.837	**0.0025**	0.089	46	14	19	900
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	18646	05/01/00	7	209.28	85	250.5	17.9	9.14	97.53867868	76	7.7	**0**	0.018	0.126		1.22	0.144	1.364	**0.0025**	0.13	20	**0.01**	58	7800
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	21368	06/05/00	6	9.57	129	780	24.6	7.08	86.79844749	37.7	7.5	**0**	0.009	0.166		0.35	0.175	0.525	0.006	0.105	34	6.59	38	600
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	18807	07/10/00	5	3.57	224	759	29.2	6.19	83.10999778	5.24	7.94	0.06			**0.025**	0.23	0.085	0.255	0.005	0.029	83.6	29.8	4	30
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	19131	08/14/00	5	0.39	203	724	30.1	7.41	101.2056708	3.1	7.77	**0.025**			**0.025**	0.32	0.05	0.345	0.015	0.047	156	44.1	2	20
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	21469	09/18/00	4	0.01	136	502	20.5	7.19	81.63559999	1.49		0.11			**0.025**	0.31	0.135	0.335	0.015	0.15	170	44.2	1	40
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	21786	10/23/00	5	0.54	123	838	19	5.87	65.28074473	8.72	7.68	**0.025**			**0.025**	0.38	0.05	0.405	0.019	0.036	169	41	1	200
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	22002	11/27/00	5	0.9	156	479	6	12.05	99.83294989	3.85	7.9	**0.025**			**0.025**	0.16	0.05	0.185	0.006	0.027	120	44.9	2	10
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	22157	01/08/01	7	36.28	156	506	0.6	14.44	101.8526477	18.4	10.48	0.05			0.44	0.48	0.49	0.92	0.018	0.051	180	47.7	10	170
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	22487	02/12/01	6	14.82	91	369.3	5.6	11.54	93.20809024	88.4	7.86	0.06			0.33	0.56	0.39	0.89	0.08	0.08	26.7	57.5	48	7000
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	22704	03/19/01	5	12.6	133	501	9.9	11.96	106.6368189	17.4	8.35	**0.025**			0.14	0.2	0.165	0.34	0.016	0.032	45.7	42.9	32	60
North Buck Creek	OK121400-03-0210R	Osage	FH	17216	04/20/99	5	6.97	230	491	18.9	10.16	111.1747072	4.45	8.39		**0.0025**	**0.025**		0.06	0.0275	0.0875		0.02	4	23.3	2	10500
North Buck Creek	OK121400-03-0210R	Osage	FH	16651	05/18/99	6	21.78	160	325	21	8.07	93.76216421	57.9	8.41		**0.0025**	**0.01**		0.44	0.0125	0.4525	**0**	0.07	5	**0.455**	39.5	5000
North Buck Creek	OK121400-03-0210R	Osage	FH	13197	06/15/99	5	8.83	144	410	27.8	10.16	132.1510671	9.15	8.39	**0**	0.007	**0.025**		0.16	0.032	0.192	**0.0025**	0.027	5	14.7	5	100
North Buck Creek	OK121400-03-0210R	Osage	FH	13445	07/13/99	5	14.4	140	355	24.3	8.33	102.5438952	17.8	6.97	**0.025**	**0.0025**	**0.025**		0.2	0.0525	0.2275	**0.0025**	0.04	5	17.7	8.5	200
North Buck Creek	OK121400-03-0210R	Osage	FH	13327	08/16/99	2	0	121	495	27.1	7.61	98.98323037	9.61	7.61	**0**	**0.002**	0.13		0.5	0.132	0.632	**0.002**	0.051	51	52	10	100
North Buck Creek	OK121400-03-0210R	Osage	FH	13471	09/28/99	4	2.66	99	393	18.3	7.63	83.49045435	10.8	7.65	**0**	**0.0005**	**0.01**		0.27	0.0105	0.2805	**0.0025**	0.039	5	20.2	5	200
North Buck Creek	OK121400-03-0210R	Osage	FH	13243	11/02/99	6	6	121	436	14.3	8.49	85.31716395	19.3	7.31	**0**	**0.0005**	0.1		0.36	0.1005	0.4605	**0.002**	0.014	88	60.3	4.5	100
North Buck Creek	OK121400-03-0210R	Osage	FH	18227	12/07/99	6	12.07	111	343	5.8	9.96	80.77802837	29.3		**0**	0.007	**0**		0.58	0.007	0.587	**0.0001**	0.109	46	24.3	56.5	4400
North Buck Creek	OK121400-03-0210R	Osage	FH	18117	01/10/00	5	2.85	161	462	7.8	11.45	97.68929196	7.08		**0**	**0.0005**	**0**		**0.05**	0.0005	0.0505	**0.0015**	0.007	8	28	1	100
North Buck Creek	OK121400-03-0210R	Osage	FH	18079	02/15/00	5	0.84	149	740	6.9	11.32	94.17147944	5.96		0.053	**0.0005**	**0.02**		0.23	0.0735	0.2505	**0.0025**	0.02	105	58.6	4	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
North Buck Creek	OK121400-03-0210R	Osage	FH	17305	03/20/00	7		177	408	11.5	11.45	107.5380762	16.1		**0.01**	**0.001**	**0**		0.33	0.011	0.331	**0.0001**	0.033	5	30.6	9	100
North Buck Creek	OK121400-03-0210R	Osage	FH	18653	05/02/00	7	26.14	217	366.9	18.9	7.88	86.22605247	15.3	7.85	**0**	**0.0015**	**0**		0.76	0.0015	0.7615	**0.0025**	0.035	5	16.5	10	2600
North Buck Creek	OK121400-03-0210R	Osage	FH	21390	06/06/00	5	3.15	215	416.3	23.5	6.03	72.84296961	7.22	8.12	**0**	**0.002**	**0**		**0.05**	0.002	0.052	**0.0015**	0.074	6	29.4	13	100
North Buck Creek	OK121400-03-0210R	Osage	FH	18816	07/11/00	5	4.23	241	481.1	30.6	7.05	96.68561547	7.36	8.09	**0.025**			**0.025**	0.23	0.05	0.255	**0.0025**	0.02	**2.5**	13.6	2	20
North Buck Creek	OK121400-03-0210R	Osage	FH	19138	08/15/00	4	0.14	162	402.6	28	6.32	83.67777803	7.52		**0.025**			**0.025**	0.18	0.05	0.205	0.005	0.007	**2.5**	16.7	2	10
North Buck Creek	OK121400-03-0210R	Osage	FH	21497	09/19/00	2	0	124	292.4	21.8	7.27	84.46727804	8.76		0.14			**0.025**	0.21	0.165	0.235	**0.0025**	0.028	**2.5**	15.1	18	40
North Buck Creek	OK121400-03-0210R	Osage	FH	21810	10/24/00	2	0	133	297.3	19.3	7.97	89.00029164	8.16	8.09	**0.025**			**0.025**	0.25	0.05	0.275	0.008	0.02	**2.5**	11.1	1	10
North Buck Creek	OK121400-03-0210R	Osage	FH	22009	11/28/00	4	1.71	184	276.8	7.3	12.41	105.8798352	1.9	7.78	**0**			0.24	**0.025**	0.24	0.265	**0.0025**	0.016	**2.5**	18.4	1	10
North Buck Creek	OK121400-03-0210R	Osage	FH	22164	01/09/01	6	15.6	151	206.7	1.2	13.95	101.6566765	8.54	8.39	**0.025**			1.31	0.32	1.335	1.63	0.008	0.026	**2.5**	21.6	7	80
North Buck Creek	OK121400-03-0210R	Osage	FH	22494	02/13/01	7	51.5	158	387.6	5.7	11.72	95.05205748	14.3	8.23	**0**			0.57	0.05	0.57	0.62	0.017	0.017	**2.5**	19.1	1	200
North Buck Creek	OK121400-03-0210R	Osage	FH	22717	03/20/01	6	41.45	193	404.8	9.3	10.53	94.27368473	5.26	8.17	**0**			0.22	**0.025**	0.22	0.245	0.007	0.009	**2.5**	21.5	12	30
Sand Creek	OK121400-04-0010T	Osage	FH	17224	04/20/99	5	2.64	164	427	15.9	9.43	97.15761324	6.61	8.26		**0.0025**	**0.025**		0.2	0.0275	0.2275		0.02	13	18.4	4.5	2700
Sand Creek	OK121400-04-0010T	Osage	FH	16655	05/18/99	9	10	180	377	19.3	9.21	103.1913416	40.5	8.24		**0.002**	**0.01**		0.41	0.012	0.422	0.05	0.12	9	17.5	26	4000
Sand Creek	OK121400-04-0010T	Osage	FH	13198	06/15/99	5	1.41	131	361	25.5	9.09	114.4540821	21.3	7.91	**0**	**0**	**0**		**0**	0	0	**0.0025**	0.029	6	**1**	7	100
Sand Creek	OK121400-04-0010T	Osage	FH	13377	07/13/99	5	4.35	105	295	22.1	9.38	111.6043105	27.2	6.9	**0.025**	**0.001**	0.37		0.34	0.396	0.711	**0.0025**	0.053	5	2.82	17.5	100
Sand Creek	OK121400-04-0010T	Osage	FH	13326	08/16/99	2	0	171	561	28.5	8.07	107.2055122	14.3	8.01	**0.02**	**0.001**	0.22		0.54	0.241	0.761	0.012	0.049	32	80.4	7	100
Sand Creek	OK121400-04-0010T	Osage	FH	13530	09/28/99	6	1.25	128	314	15.4	6.08	62.64244841	11.8	7.87	**0**	**0.0005**	**0**		0.26	0.0005	0.2605	**0.0025**	0.032	5	11.7	6	400
Sand Creek	OK121400-04-0010T	Osage	FH	13525	11/01/99	5	0.49	139	360	17.4	4.95	53.21970965	6.04	7.55	**0**	**0.0025**	**0.025**		0.25	0.0275	0.2775	0.041	0.062	7.5	21.6	5.5	400
Sand Creek	OK121400-04-0010T	Osage	FH	18228	12/07/99	5	5.16	95	304	4.8	9.93	78.70534324	50.9		0.058	0.006	0.149		0.45	0.213	0.605	0.008	0.067	10	31.1	40	300
Sand Creek	OK121400-04-0010T	Osage	FH	18118	01/10/00	5	3.16	164	496	6.3	11.09	92.56675358	6.69		**0**	**0.0025**	**0**		**0.05**	0.0025	0.0525	**0.0001**	0.017	9	29.5	6	100
Sand Creek	OK121400-04-0010T	Osage	FH	18076	02/14/00	5	1.87	207	508	6.6	11.43	95.40468831	6.67		0.038	**0.0005**	**0**		**0.05**	0.0385	0.0505	**0.0025**	0.015	12	38.9	5.5	100
Sand Creek	OK121400-04-0010T	Osage	FH	17306	03/20/00	6	11.03	131	389	10.8	11.66	107.3418929	41.4		0.01	**0.0015**	**0**		0.36	0.0115	0.3615	0.005	0.05	10	31.6	16	300
Sand Creek	OK121400-04-0010T	Osage	FH	18652	05/02/00	5	6.64	187	351.8	17.2	6.4	68.80932157	47.1	7.8	**0**	0.005	**0**		0.61	0.005	0.615	**0.0025**	0.064	6	20	31	7000
Sand Creek	OK121400-04-0010T	Osage	FH	21387	06/06/00	5	0.66	173	351.6	20.3	5.62	64.28707168	13.6	7.76	**0**	0.005	**0**		0.35	0.005	0.355	**0.002**	0.092	5.2	30.8	17	200
Sand Creek	OK121400-04-0010T	Osage	FH	18820	07/11/00	5	0.35	250	464.1	28	6.49	86.21608107	7.68	7.68	**0.025**			0.05	0.18	0.075	0.23	0.005	0.042	**2.5**	13.8	8	390
Sand Creek	OK121400-04-0010T	Osage	FH	19137	08/15/00	2	0	148	363.7	25.2	5.6	70.51076566	10.9		**0.025**			**0.025**	0.34	0.05	0.365	0.008	0.03	**2.5**	14.2	2	140
Sand Creek	OK121400-04-0010T	Osage	FH	21496	09/19/00	2	0	116	280.3	19.2	6.78	75.96496157	29.2		0.15			**0.025**	0.26	0.175	0.285	0.021	0.065	**2.5**	21.4	26	10
Sand Creek	OK121400-04-0010T	Osage	FH	21809	10/24/00	2	0	120	290.8	18	0.95	10.43005052	7.21	7.43	**0.025**			**0.025**	0.65	0.05	0.675	0.016	0.092	**2.5**	15.3	1	11000
Sand Creek	OK121400-04-0010T	Osage	FH	22008	11/28/00	4		161	243.2	3.8	7.82	60.36734833	3.45	7.73	**0.025**			**0.025**	0.07	0.05	0.095	0.014	0.043	**2.5**	15.2	1	10
Sand Creek	OK121400-04-0010T	Osage	FH	22163	01/09/01	6	2.15	148	247.8	0.2	12.73	90.46282859	12.6	7.29	**0.025**			0.63	0.58	0.655	1.21	0.012	0.052	**2.5**	36.4	8	70
Sand Creek	OK121400-04-0010T	Osage	FH	22493	02/13/01	6	21.91	124	389.2	4.5	11.52	91.30770937	26.5	8.14	**0.025**			0.58	0.33	0.605	0.91	0.028	0.042	19.7	23.7	6	700
Sand Creek	OK121400-04-0010T	Osage	FH	22716	03/20/01	5	7.07	172	430	7.5	10.95	93.73593476	19.2	8.08	**0.025**			0.09	0.16	0.115	0.25	0.021	0.027	19.8	26.3	8	80
Gray Horse Creek	OK621200-01-0400T	Osage	FH	17229	04/19/99	5	2.42	203	736	17.1	10.97	117.5854526	6.95	8.42		**0.0005**	0.06		0.27	0.0605	0.3305		0.03	81	56.8	5.5	5400
Gray Horse Creek	OK621200-01-0400T	Osage	FH	16893	05/17/99	9	19.8	98	186.8	19.4	7.94	88.69186691	425	8.11		0.006	0.079		1.62	0.085	1.705	0.02	0.42	10	**0.8**	348	40000
Gray Horse Creek	OK621200-01-0400T	Osage	FH	13535	06/14/99	5	1.83		192	23.2	8.94	108.0284227	71.4	7.89	**0.023**	0.008	0.2		0.46	0.231	0.668	0.012	0.104	9.5	**1**	41	500

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Gray Horse Creek	OK621200-01-0400T	Osage	FH	13375	07/12/99	5	0.89	91	331	25.3	8.5	106.7003871	107	6.81	**0.025**	0.006	0.21		0.64	0.241	0.856	**0.0015**	0.098	13	42.5	56	100
Gray Horse Creek	OK621200-01-0400T	Osage	FH	13323	08/16/99	2	0	145	510	25.4	6.21	77.9540475	41.7	7.69	**0.01**	**0.0015**	**0.01**		0.57	0.0215	0.5815	0.011	0.061	30	38	37	100
Gray Horse Creek	OK621200-01-0400T	Osage	FH	13581	09/27/99	6	0.72	88	192	18.4	7.91	86.580274	142	7.36	0.055	0.014	0.51		0.95	0.579	1.474	**0.002**	0.386	20	**1**	349	1800
Gray Horse Creek	OK621200-01-0400T	Osage	FH	13502	11/01/99	5	0.32	129	217	14.7	4.63	46.54144866	64.7	6.45	**0.015**	**0.0015**	**0.025**		1.53	0.0415	1.5565	0.118	0.22	16	5.91	62.5	300
Gray Horse Creek	OK621200-01-0400T	Osage	FH	18222	12/06/99	5	1.85	69	234	5	10.96	88.91492168	47.1		**0**	0.008	**0**		0.7	0.008	0.708	0.028	0.136	11	32.1	50	3400
Gray Horse Creek	OK621200-01-0400T	Osage	FH	18110	01/10/00	4	0.2	135	482	3.3	11.1	85.4275578	21.1		**0**	**0.0025**	0.073		0.39	0.0755	0.4655	**0.0015**	0.043	14	45.4	21	100
Gray Horse Creek	OK621200-01-0400T	Osage	FH	18069	02/14/00	5	0.05	70	559	2	12.44	93.17533925	6.08		0.026	**0.0005**	0.053		0.21	0.0795	0.2635	**0.0025**	0.02	24	92.5	5	100
Gray Horse Creek	OK621200-01-0400T	Osage	FH	17758	03/20/00	5	0.78	121	299	6.9	10.49	87.29284348	53.2		0.052	**0.002**	**0**		0.76	0.054	0.762	**0.002**	0.107	13	78.4	65	100
Gray Horse Creek	OK621200-01-0400T	Osage	FH	18647	05/01/00	6	5.91	182	546	18.3	8.65	94.68007207	18.2	7.83	**0**	**0.002**	**0**		0.54	0.002	0.542	**0.0025**	0.058	30	63.2	14	5000
Gray Horse Creek	OK621200-01-0400T	Osage	FH	21369	06/05/00	5	0.19	183	511	22.2	8.33	98.81043185	8.72	7.73	**0**	**0.0025**	**0.0235**		0.38	0.026	0.406	0.005	0.084	17	39.2	14	100
Gray Horse Creek	OK621200-01-0400T	Osage	FH	18817	07/10/00	5	0.06	213	507	26.9	6.71	85.79229378	8.18	8	**0.025**			**0.025**	0.41	0.05	0.435	0.005	0.025	11.3	31.5	4	100
Gray Horse Creek	OK621200-01-0400T	Osage	FH	19132	08/14/00	2	0	166	435.4	27.5	7.94	103.3065016	8.35	8.18	**0.025**			0.06	0.41	0.085	0.47	0.011	0.048	9.7	29.2	2	10
Gray Horse Creek	OK621200-01-0400T	Osage	FH	21470	09/18/00	2	0	130	415.2	22.4	7.6	90.15117432	16.7		0.08			**0.025**	0.54	0.105	0.565	0.009	0.059	18.1	34.9	4	20
Gray Horse Creek	OK621200-01-0400T	Osage	FH	21787	10/23/00	2	0	86	323.2	21.3	6.68	77.63556835	25	8.07	**0.025**			0.09	0.74	0.115	0.83	0.015	0.057	8.9	33.1	5	4000
Gray Horse Creek	OK621200-01-0400T	Osage	FH	22003	11/27/00	2	0	111	219.7	7.5	10.7	91.31779973	9.72	7.99	**0.025**			**0.025**	0.36	0.05	0.385	0.011	0.054	5.1	24.4	11	10
Gray Horse Creek	OK621200-01-0400T	Osage	FH	22158	01/08/01	6	1.59	116	199.1	0.8	11.11	78.71100979	25	8.05	**0.025**			0.65	0.79	0.675	1.44	0.076	0.132	**2.5**	30.8	24	1000
Gray Horse Creek	OK621200-01-0400T	Osage	FH	22488	02/12/01	6	1.3	61	248.6	4.5	12.07	95.37661491	123	7.62	**0.025**			0.33	0.85	0.355	1.18	0.109	0.149	9.5	62.9	74	4000
Gray Horse Creek	OK621200-01-0400T	Osage	FH	22705	03/19/01	5	0.99	143	407.8	9.4	11.45	102.5410555	11.8	8.33	**0.025**			**0.025**	0.3	0.05	0.325	0.01	0.021	17.7	69	22	10
Salt Creek	OK621200-04-0010J	Osage	FH	17226	04/19/99	5	29.16	180	384	17.7	10.06	108.3674037	18.1	8.41		**0.002**	**0.025**		0.51	0.027	0.537		0.06	11	5.52	14.5	4600
Salt Creek	OK621200-04-0010J	Osage	FH	16903	05/17/99	9	106.63	206	449	21.7	8.25	96.35892425	28.2	8.42		**0.0015**	0.038		0.25	0.0395	0.2895	0.007	0.06	10	**1**	21.5	400
Salt Creek	OK621200-04-0010J	Osage	FH	13392	06/14/99	5	8.18	129	400	22.3	10.61	126.4814687	16.4	7.81	**0.01**	0.005	**0.0295**		0.27	0.0445	0.3045	0.007	0.055	7.5	**1**	14	100
Salt Creek	OK621200-04-0010J	Osage	FH	13492	07/12/99	6	47.86	92	262	25.6	7.69	97.01237327	37	6.63	**0.025**	**0.002**	0.13		0.51	0.157	0.642	0.031	0.107	5	**0.5**	33	300
Salt Creek	OK621200-04-0010J	Osage	FH	13430	08/16/99	4	0.09	150	436	28.4	10.69	142.2835434	11.4	7.92	**0**	**0.0005**	0.069		0.31	0.0695	0.3795	0.015	0.056	26	1.85	10	100
Salt Creek	OK621200-04-0010J	Osage	FH	13508	09/27/99	6	10.54	136	416	19.6	7.78	87.33666644	14.9	7.82	**0**	**0.0005**	**0.01**		0.51	0.0105	0.5205	0.006	0.049	19	6.2	13.5	300
Salt Creek	OK621200-04-0010J	Osage	FH	13590	11/01/99	6	23.19	133	337	15.6	8.15	84.13101707	18.2	7.14	**0**	**0.0005**	**0.02**		0.47	0.0205	0.4905	0.016	0.042	10	2.89	26	2500
Salt Creek	OK621200-04-0010J	Osage	FH	18219	12/06/99	7	106.94	86	297	6.6	10.98	91.82463537	33		0.057	0.008	0.22		0.47	0.285	0.698	0.048	0.128	8	2.28	39	8000
Salt Creek	OK621200-04-0010J	Osage	FH	18107	01/10/00	5	4.02	196	490	4.8	11.19	88.86248235	5.91		**0**	**0.0025**	**0.025**		0.17	0.0275	0.1975	**0.0025**	0.025	10	15.7	15	100
Salt Creek	OK621200-04-0010J	Osage	FH	18072	02/14/00	5	4.04	181	516	5.4	11.06	90.17225763	5.98		0.02	**0.0005**	**0**		0.11	0.0205	0.1105	**0.0025**	0.025	11	20	4.5	100
Salt Creek	OK621200-04-0010J	Osage	FH	17309	03/20/00	7	87.31	200	368	8.6	11.28	99.11796023	31.1		**0**	**0.002**	0.129		0.52	0.131	0.651	0.032	0.085	7.5	6.34	40	1000
Salt Creek	OK621200-04-0010J	Osage	FH	18649	05/01/00	7	149.04	232	454.3	19.5	7.56	84.86699207	22.2	8.03	**0**	**0.002**	0.05		0.37	0.052	0.422	**0.0025**	0.072	29	4.34	33	7000
Salt Creek	OK621200-04-0010J	Osage	FH	21371	06/05/00	5	10.37	207	625	25.6	8.24	103.9508395	9.97	8.03	**0**	**0.002**	0.056		0.41	0.058	0.468	0.017	0.103	11	2.24	18	100
Salt Creek	OK621200-04-0010J	Osage	FH	18804	07/10/00	5	8.9	232	505	30.1	7.33	101.055657	9.08	8.09	**0.025**			**0.025**	0.41	0.05	0.435	0.016	0.062	**2.5**	11	12	40
Salt Creek	OK621200-04-0010J	Osage	FH	19134	08/14/00	5	0.14	38	422.7	31.2	9.45	132.5688844	7.37	6.9	**0.025**			**0.025**	0.34	0.05	0.365	0.012	0.05	6.8	11.8	2	10
Salt Creek	OK621200-04-0010J	Osage	FH	21472	09/18/00	2	0	121	323.1	21.3	7.84	91.57017771	7.17		0.09			**0.025**	0.4	0.115	0.425	0.01	0.038	12.1	7.6	6	90
Salt Creek	OK621200-04-0010J	Osage	FH	21789	10/23/00	2	0	120	270.7	21.1	5.25	61.31931543	6.65	7.3	**0.025**			**0.025**	0.52	0.05	0.545	0.035	0.077	10.8	8.2	1	800

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Salt Creek	OK621200-04-0010J	Osage	FH	22005	11/27/00	5	2.49	148	228.4	7.3	12.12	103.9508395	4.51	7.91	**0.025**			**0.025**	0.13	0.05	0.155	0.011	0.056	**2.5**	17.1	5	134
Salt Creek	OK621200-04-0010J	Osage	FH	22160	01/08/01	7	91.96	173	222.7	0.4	13.29	94.62374362	11.3	8.85	0.06			0.44	0.49	0.5	0.93	0.04	0.09	**2.5**	16.6	12	800
Salt Creek	OK621200-04-0010J	Osage	FH	22490	02/12/01	7	96.97	116	303.6	4.6	11.6	92.118391	50	8.05	0.08			0.77	0.61	0.85	1.38	0.074	0.121	5.5	26.4	36	1900
Salt Creek	OK621200-04-0010J	Osage	FH	22707	03/19/01	6	83.4	168	363.8	10.4	12.02	110.8685972	22.7	8.41	**0.025**			0.09	0.35	0.115	0.44	0.025	0.039	5.1	18.9	42	70
Little Chief Creek	OK621200-04-0070C	Osage	FH	17227	04/19/99	5	5.53	229	608	19	11.4	127.4508239	6.18	8.35		**0.0025**	**0.025**		0.24	0.0275	0.2675		0.02	47	25.5	6	1800
Little Chief Creek	OK621200-04-0070C	Osage	FH	16905	05/17/99	9	39.69	106	429	20.6	8.6	98.1612199	82	8.33		0.006	0.172		0.43	0.178	0.608	0.008	0.12	45	**1**	83.5	6000
Little Chief Creek	OK621200-04-0070C	Osage	FH	13391	06/14/99	5	14.09	126	485	25.1	10.31	129.532944	19.1	8.1	0.022	0.008	**0.0305**		0.23	0.0605	0.2685	**0.002**	0.058	30	6.7	12	100
Little Chief Creek	OK621200-04-0070C	Osage	FH	13491	07/12/99	5	12.83	131	533	25.9	8.92	112.0692397	13.6	7.13	**0.025**	**0.0005**	**0.025**		0.32	0.0505	0.3455	**0.0025**	0.043	35	16.8	11	300
Little Chief Creek	OK621200-04-0070C	Osage	FH	13325	08/16/99	2	17.59	131	683	31.4	11.36	158.7116864	7.43	7.53	**0**	**0.0005**	**0.01**		0.17	0.0105	0.1805	**0.0015**	0.026	90	25	5	100
Little Chief Creek	OK621200-04-0070C	Osage	FH	13279	09/27/99	6	5.28	147	470	20.1	7.85	89.6006484	13.2	8.06	**0**	**0.001**	**0.024**		0.12	0.025	0.145	**0.0025**	0.036	28	28.9	10.5	100
Little Chief Creek	OK621200-04-0070C	Osage	FH	13574	11/01/99	6	5.08	166	503	15.7	8.16	83.88986026	16.2	7.01	**0**	**0.0005**	**0.0245**		0.37	0.025	0.395	0.008	0.03	34	31.7	16.5	1400
Little Chief Creek	OK621200-04-0070C	Osage	FH	18220	12/06/99	6	29.85	148	445	5.3	11.98	97.27369565	22		**0**	0.005	**0**		0.27	0.005	0.275	0.014	0.052	26	3.36	22	100
Little Chief Creek	OK621200-04-0070C	Osage	FH	18108	01/10/00	5	6.63	212	678	6	11.04	91.94894011	9.33		**0**	**0.0025**	**0.02**		0.16	0.0225	0.1825	**0.0001**	0.011	46	24.6	7	100
Little Chief Creek	OK621200-04-0070C	Osage	FH	18071	02/14/00	5	3.87	208	723	2.1	10.88	81.56127374	10.3		**0.025**	**0.0005**	**0**		**0.05**	0.0255	0.0505	**0**	0.017	58	32.9	11.5	100
Little Chief Creek	OK621200-04-0070C	Osage	FH	17310	03/20/00	5	33.31	217	519	7.8	11.37	97.11954244	13.4		**0**	**0.001**	**0**		0.32	0.001	0.321	**0.0015**	0.035	40	3.36	11	600
Little Chief Creek	OK621200-04-0070C	Osage	FH	18648	05/01/00	7	46.03	227	540	18.5	8.92	97.71963331	32.3	8	**0**	**0.002**	**0**		0.58	0.002	0.582	**0.0025**	0.068	9	29	32	5000
Little Chief Creek	OK621200-04-0070C	Osage	FH	21370	06/05/00	5	4.29	221	789	25.5	7.53	94.60553527	7.49	7.8	**0**	**0.0025**	**0.02**		**0.05**	0.0225	0.0725	0.012	0.075	35	19.3	15	100
Little Chief Creek	OK621200-04-0070C	Osage	FH	18805	07/10/00	5	2	238	627	30.9	6.87	94.32659856	3.93	8.01	**0.025**			**0.025**	0.27	0.05	0.295	**0.0025**	0.017	33.7	13.8	11	20
Little Chief Creek	OK621200-04-0070C	Osage	FH	19133	08/14/00	2	0	158	681	29.6	8.45	114.0538967	4.26	8.01	**0.025**			0.05	0.29	0.075	0.34	0.005	0.02	67.5	21.6	2	20
Little Chief Creek	OK621200-04-0070C	Osage	FH	21471	09/18/00	2	0		773	25.8	10.95	137.5737864			**0.025**			**0.025**	0.33	0.05	0.355	0.005	0.02	139	33.3	2	10
Little Chief Creek	OK621200-04-0070C	Osage	FH	21788	10/23/00	2	0	154	679	22.4	10.72	127.2703045	11	8.28	**0.025**			0.11	0.38	0.135	0.49	0.006	0.031	116	45.1	1	1400
Little Chief Creek	OK621200-04-0070C	Osage	FH	22004	11/27/00	2	0	182	420.3	7.5	13.52	115.4842756	3.13	7.88	**0.025**			0.25	0.11	0.275	0.36	**0.0025**	0.031	51.1	24.3	3	10
Little Chief Creek	OK621200-04-0070C	Osage	FH	22159	01/08/01	6	25.19	148	318.5	0.8	13.45	95.37141173	28.8	7.4	0.19			1.04	1.12	1.23	2.16	0.059	0.112	71	27.7	26	22000
Little Chief Creek	OK621200-04-0070C	Osage	FH	22489	02/12/01	6	28.59	154	457.8	5.5	11.88	96.46172825	35.6	8.27	**0.025**			0.56	0.33	0.585	0.89	0.037	0.061	38.6	26.1	22	8000
Little Chief Creek	OK621200-04-0070C	Osage	FH	22706	03/19/01	5	15.66	208	6.13	9.5	11.42	102.3606187	8.3	8.29	**0**			0.12	**0.025**	0.12	0.145	0.01	0.011	56.5	28.3	20	10
Saline Creek	OK121600-02-0030D	Mayes	OH	17207	04/19/99	5	112.14	107	144.4	16.6	11.6	120.535307	1.27	7.99		**0.001**	0.573		0.04	0.574	0.614		0.016	6	5.97	1	100
Saline Creek	OK121600-02-0030D	Mayes	OH	16679	05/17/99	9	144.78	100	157.1	17.5	9.3	98.6388851	10.5	7.74		**0.001**	0.607		**0.025**	0.608	0.633	**0.002**	0.03	40	7.03	1	300
Saline Creek	OK121600-02-0030D	Mayes	OH	13201	06/14/99	5	64.65	80	169.2	20.7	8.09	91.29221707	1.3	7.71	**0**	0.007	0.41		0.06	0.417	0.477	0.012	0.02	5	**1**	1	100
Saline Creek	OK121600-02-0030D	Mayes	OH	13609	07/13/99	5	59	58	181	19.8	9.99	110.4198165	2.32	7.98	**0**	**0.0025**	0.31		**0.025**	0.3125	0.3375	0.006	0.015	3.5	7.5	1	
Saline Creek	OK121600-02-0030D	Mayes	OH	13334	08/16/99	5	20.5	112	205.7	25.8	8.49	105.4564137	0.78	6.88	**0**	**0.0015**	0.37		0.04	0.3715	0.4115	0.009	0.024	6	5.38	1	100
Saline Creek	OK121600-02-0030D	Mayes	OH	13472	09/27/99	5	22.95	107	191.9	21.7	9.96	114.5412324	0.6	7.85	**0**	**0.0025**	0.37		0.11	0.3725	0.4825	**0.0015**	0.017	5	8.4	1.5	100
Saline Creek	OK121600-02-0030D	Mayes	OH	13251	11/01/99	6	24.01		173.7	18.1	8.95	96.93569903	0.6	7.97	**0**	**0.0025**	0.37		**0.05**	0.3725	0.4225	0.011	0.011	8	6.6	1.5	100
Saline Creek	OK121600-02-0030D	Mayes	OH	18245	12/06/99	5	46.67	74	215	11.6	10.31	95.84376507	2.2	8.03	**0.02**	**0.0005**	0.61		0.13	0.6305	0.7405	0.006	0.026	9.5	6.23	1	100
Saline Creek	OK121600-02-0030D	Mayes	OH	18253	01/10/00	5	31.85	88	220	9.5	10.4	92.16029892	0.56	8.05	**0.015**	**0.0025**	0.69		**0.05**	0.7075	0.7425	0.008	0.01	10	3.3	1	100
Saline Creek	OK121600-02-0030D	Mayes	OH	18027	02/14/00	5	29.02	66	238	8.5	11.36	98.284743	1.56	7.47	0.029	**0.0005**	0.5		0.2	0.5295	0.7005	**0.0015**	0.013	11	5.24	1	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Saline Creek	OK121600-02-0030D	Mayes	OH	17298	03/20/00	5	74.37	76	196	10.5	11.78	106.9827837	1.11	8.18	**0.025**	**0.001**	0.583		0.12	0.609	0.704	**0.002**	0.015	8	7.58	1	100
Saline Creek	OK121600-02-0030D	Mayes	OH	18637	05/01/00	6	55.17	81	207	15.6	9.18	93.30517469	0.91	7.72	**0**	**0.0015**	0.42		0.31	0.4215	0.7315	**0.0025**	0.016	7	6.44	1	200
Saline Creek	OK121600-02-0030D	Mayes	OH	21359	06/05/00	5	73.34	85	214	17.5	9.55	101.290468	1.25	7.7	**0**	0.005	0.44		0.06	0.445	0.505	0.009	0.046	6	5.77	1	100
Saline Creek	OK121600-02-0030D	Mayes	OH	19054	07/10/00	5	91.13	95	144	20.4	9.16	103.366713	4.32	7.86	**0.025**			0.39	0.09	0.415	0.48	0.006	0.008	**2.5**	6.2	1	10
Saline Creek	OK121600-02-0030D	Mayes	OH	19148	08/15/00	5	25.49	101	215	22.2	8.08	94.83909378	0.89		**0.025**			0.4	0.11	0.425	0.51	0.014	0.018	**2.5**	6.1	1	40
Saline Creek	OK121600-02-0030D	Mayes	OH	21474	09/18/00	4	12.12	102	2.18	20	8.12	91.63075434	1.75	7.56	0.08			0.4	0.09	0.48	0.49	0.008	0.008	**2.5**	**2.5**	1	
Saline Creek	OK121600-02-0030D	Mayes	OH	21797	10/24/00	4	23.61	101	225	18.6	9.81	106.2501908	0.89	7.73	**0.025**			0.36	0.07	0.385	0.43	0.005	0.014	**2.5**	**2.5**	1	40
Saline Creek	OK121600-02-0030D	Mayes	OH	22013	11/28/00	5	34.68	102	218	11.4	10.62	98.72558536	2.2		**0**			0.46	**0.025**	0.46	0.485	0.005	0.017	**2.5**	**2.5**	3	20
Saline Creek	OK121600-02-0030D	Mayes	OH	22293	01/08/01	5	40.37	93	223	7.7	11.99	101.2532759	1.16	8.13	**0**			0.63	**0.025**	0.63	0.655	**0.0025**	0.017	5.6	**2.5**	6	30
Saline Creek	OK121600-02-0030D	Mayes	OH	22570	02/13/01	6	96.85	62	198	10	10.29	93.45100545	1.87	7.85	**0.025**			1.16	0.11	1.185	1.27	0.01	0.018	**2.5**	5.9	2	50
Saline Creek	OK121600-02-0030D	Mayes	OH	22682	03/20/01	5	62.01	58	110.6	9.4	11.55	102.3511012	2.3	8.08	**0.025**			0.94	0.06	0.965	1	0.006	0.008	**2.5**	6.2	4	40
Drowning Creek	OK121600-03-0090G	Delaware	OH	16682	04/26/99	9	420	68	122	13.6	9.76	95.39556984	24.7	7.5		0.005	1.14		0.32	1.145	1.465		0.14	7.3	1.1	20.5	8000
Drowning Creek	OK121600-03-0090G	Delaware	OH	16683	05/24/99	7	24.73	88	166.3	14.6	7.44	74.34498694	3.19	7.2		**0.0025**	0.94		0.17	0.9425	1.1125	0.057	0.078	11.5	6.4	3	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	13386	06/21/99	9	65.69	109	191.7	16.5	8.45	88.20934702	4.25	7.23	**0**	0.006	1.64		0.13	1.646	1.776	0.089	0.106	10	8.9	3.5	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	13305	07/19/99	2	0	123	158.7	19	6.46	71.7324493	1.77	7.66	**0.02**	**0.0025**	0.53		0.1	0.5525	0.6325	0.016	0.03	10	7.72	1	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	13514	08/23/99	5	1.84	115	299.1	19.4			1.74	7.4	**0**	**0.001**	1.46		0.04	1.461	1.501	0.046	0.057	17	9.72	1	300
Drowning Creek	OK121600-03-0090G	Delaware	OH	13399	10/04/99	5	1.82	112	278.5	17.5	7.1	75.65282747	1.46	7.7	**0**	**0.0025**	1.93		0.11	1.9325	2.0425	0.039	0.057	25	10.2	3	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	18194	12/13/99	5	7.55	67	268	9.5	10.25	91.25065907	2.67	7.15	**0**	**0.0025**	2.07		**0.045**	2.0725	2.1175	0.046	0.065	12	10.2	1.5	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	18251	01/18/00	2	0	102	308	7.8	4.26	36.14107847	10.3	7.96	**0**	0.005	0.074		0.46	0.079	0.539	0.005	0.046	13	10.3	11	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	18051	02/22/00	5	2.92	107	288.5	12.7	9.19	87.82079591	0.8	8.38	**0.025**	**0.0005**	2.66		**0.04**	2.6855	2.7005	0.036	0.036	22	10.7	3	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	17790	03/27/00	5	9.49	88	259	14	8.9	88.93419137	1.82	7.86	**0.01**	**0.001**	1.33		0.19	1.341	1.521	0.045	0.072	16	9.72	1	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	18657	05/02/00	6	8.85	95	275	14.6	8.8	87.93493079	4.61	7.53	**0**	0.005	1.09		0.34	1.095	1.435	0.026	0.051	14	9.83	1	2000
Drowning Creek	OK121600-03-0090G	Delaware	OH	21379	06/06/00	5	0.52	105	296	15.8	8.3	84.75059395	2.53	7.29	**0**	**0.002**	1.3		0.11	1.302	1.412	0.05	0.092	14	7.79	1	100
Drowning Creek	OK121600-03-0090G	Delaware	OH	19060	07/11/00	5	9.57	94	261	17.6	7.57	80.66083154	3.96	7.45	0.05			0.81	0.27	0.86	1.08	0.039	0.079	5.8	7	1	500
Drowning Creek	OK121600-03-0090G	Delaware	OH	19147	08/14/00	5	3.11	113	302	20.3	8.97	101.6902429	1.43		**0.025**			1.15	0.14	1.175	1.29	0.055	0.064	8.7	8.9	1	10
Drowning Creek	OK121600-03-0090G	Delaware	OH	21501	09/19/00	4	0.58	142	403	18.4	6.51	70.83425145	2.1	7.6	**0.025**			1.47	0.1	1.495	1.57	0.047	0.063	21.1	9.4	3	120
Drowning Creek	OK121600-03-0090G	Delaware	OH	21795	10/23/00	4	1.65	149	409	19	7.65	84.94632154	1.49	7.46	**0.025**			2.42	0.08	2.445	2.5	0.046	0.052	24.4	9.4	2	300
Drowning Creek	OK121600-03-0090G	Delaware	OH	21993	11/27/00	5		129	412	13.5	8.76	85.62143358	2.26		**0.025**			3.12	0.2	3.145	3.32	0.014	0.048	26.5	8.1	1	
Drowning Creek	OK121600-03-0090G	Delaware	OH	22303	01/09/01	5		112		12.3	9.32	89.06309227	1.38	7.72	**0**			3.81	**0.025**	3.81	3.835	0.054	0.091	21.7	8.8	1	10
Drowning Creek	OK121600-03-0090G	Delaware	OH	22569	02/12/01	6	15.21	93	293	11.6	10.03	93.67155779	1.72	7.61	**0.025**			3.42	0.25	3.445	3.67	0.053	0.061	9.3	7.8	1	10
Drowning Creek	OK121600-03-0090G	Delaware	OH	22681	03/19/01	5	9.19	72	171.5	11.8	9.9	92.4574698	2.2	7.65	**0.025**			1.94	0.19	1.965	2.13	0.055	0.06	7.7	8.3	28	10
Whitewater Creek	OK121600-03-0320G	Delaware	OH	16700	04/26/99	9	206.01	97	144	14.3	9.4	94.07418499	9.68	7.78		**0.002**	1.33		0.3	1.332	1.632		0.06	4	**0.1**	10	10000
Whitewater Creek	OK121600-03-0320G	Delaware	OH	16701	05/24/99	7	93.41	109	172	16.4	9.45	98.79923086	6.83	7.75		**0.0025**	0.88		0.38	0.8825	1.2625	0.019	0.051	7	**1**	16	200
Whitewater Creek	OK121600-03-0320G	Delaware	OH	13620	06/21/99	5		113	203.4	18	9.28	101.1286369	3.63	7.71	**0.025**	**0.0005**	0.72		0.09	0.7455	0.8105	0.012	0.027	5.2	8.74	3.5	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	13425	07/19/99	5	17.59	122	210.6	20.5	8.05	91.40008065	1.79	7.84	**0.02**	**0.0005**	0.54		0.11	0.5605	0.6505	**0.0015**	0.017	7.5	7.19	2.5	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Whitewater Creek	OK121600-03-0320G	Delaware	OH	13433	08/23/99	5	1.83	107	273.4	22.9	8.35	98.61159337	1.59	7.98	**0.01**	**0.0015**	0.62		0.04	0.6315	0.6615	0.009	0.016	7	8.37	1	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	13234	10/04/99	5	1.25	128	227.5	17.4	8.84	94.33719032	1.95	7.76	**0**	**0.0025**	0.49		**0.04**	0.4925	0.5325	**0.0015**	0.018	9	6.93	3.5	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	13415	11/09/99	4	1.12	118	299	15.9	8.44	86.3119566	3.66		**0.01**	**0.0015**	0.39		0.16	0.4015	0.5515	0.006	0.011	10	8.52	1	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	18193	12/13/99	6	32.94	89	248	11.4	11.4	106.6290446	2.4	7.57	**0.015**	**0.0005**	1.69		**0.035**	1.7055	1.7255	0.013	0.034	10	9.71	1	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	18250	01/18/00	5	3.74	103	278	10.8	10.44	95.39696724	1.11	8.11	**0.01**	**0.001**	0.924		0.25	0.935	1.175	**0.002**	0.013	9	6.89	2.5	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	18052	02/22/00	5	4.22	142	265	12.1	11.49	109.9678522	1.56	8.38	**0.025**	**0.001**	0.76		0.1	0.786	0.861	**0**	**0.0015**	11	7.41	4	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	17791	03/27/00	5	17.11	95	235	13.3	11.85	116.0006963	1.13	8.07	**0.01**	**0.0015**	0.82		0.28	0.8315	1.1015	0.006	0.024	6	7.77	1	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	18658	05/02/00	6	54.1	98	248	14.7	9.49	94.97489527	4.27	7.72	**0**	**0.002**	0.71		0.34	0.712	1.052	**0.0025**	0.023	5	7.44	1	500
Whitewater Creek	OK121600-03-0320G	Delaware	OH	21380	06/06/00	5	7.31	114	306	16.2	9.34	97.6491869	1.8	7.8	**0**	**0.001**	0.58		0.01	0.581	0.591	0.012	0.06	7	6.54	1	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	19061	07/11/00	5	8.2	123	264	20.2	8.35	94.80629484	1.53	7.71	**0**			0.52	**0.025**	0.52	0.545	0.005	**0.005**	**2.5**	5.9	1	20
Whitewater Creek	OK121600-03-0320G	Delaware	OH	19146	08/14/00	5	2.27	139	185	25.3	8.34	104.2309808	2.21		**0.025**			**0.025**	0.09	0.05	0.115	0.009	0.011	**2.5**	6.7	1	10
Whitewater Creek	OK121600-03-0320G	Delaware	OH	21502	09/19/00	2	0	148	339	18.8	0.88	9.589784531	1.87	7.64	0.12			**0.025**	0.23	0.145	0.255	0.011	0.034	5.1	**2.5**	1	10
Whitewater Creek	OK121600-03-0320G	Delaware	OH	21794	10/23/00	2	0	159	340	19.7	0.55	6.11659448	2.62	7.54	**0.025**			0.09	0.41	0.115	0.5	0.029	0.062	5.3	5.8	1	100
Whitewater Creek	OK121600-03-0320G	Delaware	OH	21994	11/27/00	5	4.53	145	298	10.7	12.72	116.2307877	1.65		**0.025**			0.65	0.12	0.675	0.77	**0.0025**	0.022	5.9	**2.5**	1	
Whitewater Creek	OK121600-03-0320G	Delaware	OH	22302	01/09/01	7	107.48	128	290	8.9	12.03	104.7222268	3.72	8.29	**0.025**			1.05	0.1	1.075	1.15	0.059	0.21	5.7	5.8	9	10
Whitewater Creek	OK121600-03-0320G	Delaware	OH	22568	02/12/01	6	31.6	87	235	9.6	11.78	105.0319169	1.09	8.11	**0.025**			2.31	0.3	2.335	2.61	0.012	0.021	**2.5**	**2.5**	1	10
Whitewater Creek	OK121600-03-0320G	Delaware	OH	22680	03/19/01	5	17.15	83	161.8	12.6	12.22	116.9544956	3.6	8.34	**0.025**			1.47	0.12	1.495	1.59	0.011	0.012	**2.5**	6.5	28	10
Lost Creek	OK121600-03-0560G	Ottawa	OH	16706	04/27/99	9		96	118.9	14.4	7.46	74.63938032	22.5	8.12		0.006	1.26		0.81	1.266	2.076		0.27	5.5	3.28	310	3000
Lost Creek	OK121600-03-0560G	Ottawa	OH	16707	05/25/99	9	144.58	106	137	18	7.63	83.12608019	6.13	7.78		**0.002**	1.57		0.22	1.572	1.792	0.026	0.064	8.5	**1**	6.5	200
Lost Creek	OK121600-03-0560G	Ottawa	OH	13621	06/21/99	7	87.37		252.6	21.2	9.55	110.4734552	9.64	7.93	**0**	0.006	1.71		0.33	1.716	2.046	0.052	0.082	6.9	10.5	15	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	13546	07/20/99	5	80.72	134	270.1	26.4	10.18	129.5519125	3.12	8.18	**0.02**	0.005	1.4		0.17	1.425	1.575	0.024	0.048	9	7.32	7	500
Lost Creek	OK121600-03-0560G	Ottawa	OH	13364	08/23/99	5	26.94	124	289.7	27.2	7.97	103.2133241	3.16	8.31	**0**	0.006	1.23		0.2	1.236	1.436	0.049	0.071	8	9.47	8.25	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	13236	10/04/99	5	18.56	135	254.3	18	9.13	99.46803566	2.59	8.3	**0**	**0.0015**	1.33		0.18	1.3315	1.5115	0.078	0.099	9	10.1	5	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	13414	11/08/99	5	14.7	12.9	306	16.8	10.01	104.6266739	3.98		**0.01**	0.006	1.07		0.53	1.086	1.606	0.063	0.081	9	10.6	6	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	18189	12/13/99	9	159.61	81	221	13.1	11.45	112.0557945	5.99		**0**	**0.0015**	2.12		**0.05**	2.1215	2.1715	0.053	0.085	6	12.3	9	
Lost Creek	OK121600-03-0560G	Ottawa	OH	18246	01/18/00	5	22.97	109	304	10.1	12.09	110.4452283	2.21	8.28	**0**	0.013	1.68		0.16	1.693	1.853	0.067	0.088	10	8.86	3.5	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	18056	02/22/00	5	23.76	152	296.2	14.7	12.88	128.8679918	3.52	8.63	**0.025**	0.024	1.86		0.29	1.909	2.174	0.095	0.114	10	9.33	14	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	17795	03/27/00	5	45.69	109	256	17.8	13.52	144.2427357	6.7	8.29	**0**	0.011	1.3		0.2	1.311	1.511	0.051	0.08	8	10.1	1	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	18662	05/02/00	6	89.78	104	268	18.8	9.66	105.2421933	16.5	7.99	**0**	0.014	1.18		0.4	1.194	1.594	0.052	0.101	6	5.82	50	300
Lost Creek	OK121600-03-0560G	Ottawa	OH	21384	06/06/00	5	44.71	73	306	20.8	9.83	111.5811423	4.92	7.92	**0**	0.009	1.39		0.38	1.399	1.779	0.06	0.117	7.2	8.1	16	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	19065	07/11/00	5	79.75	117	257	26	9.63	122.552546	4.09	8.11	**0**			1.17	**0.025**	1.17	1.195	0.034	0.066	**2.5**	6.6	1	90
Lost Creek	OK121600-03-0560G	Ottawa	OH	19142	08/14/00	5	32.4	108	302	25	6.8	84.9623025	3.42		**0.025**			1.25	0.14	1.275	1.39	0.063	0.072	**2.5**	9.9	2	160
Lost Creek	OK121600-03-0560G	Ottawa	OH	21506	09/19/00	4	14.44	119	301	21.2	10.92	126.3214797	2.66	7.95	0.08			0.89	0.19	0.97	1.08	0.062	0.08	**2.5**	5.7	3	40
Lost Creek	OK121600-03-0560G	Ottawa	OH	21791	10/23/00	5	18.12	129	325	17.7	7.76	82.79020925	2.59	7.72	**0.025**			0.91	0.16	0.935	1.07	0.079	0.09	5.2	5.6	1	1000
Lost Creek	OK121600-03-0560G	Ottawa	OH	21998	11/27/00	5	17.68	148	330	8.7	14.1	122.709713	1.76		**0.025**			1.42	0.16	1.445	1.58	0.045	0.098	6	5	2	20

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Lost Creek	OK121600-03-0560G	Ottawa	OH	22298	01/09/01	6	22.59	130	328	2.8	13.76	102.5815667	2.76	8.38	**0.025**			1.9	0.2	1.925	2.1	**0.0025**	0.086	7.1	6.8	7	100
Lost Creek	OK121600-03-0560G	Ottawa	OH	22564	02/12/01	6	66.79	91	274	7.8	10.86	92.25114767	1.78	7.92	**0.025**			2.39	0.35	2.415	2.74	0.038	0.048	**2.5**	10.2	1	
Lost Creek	OK121600-03-0560G	Ottawa	OH	22676	03/19/01	6	66.45	109	125.8	11	13.19	123.3394618	6.1	8.07	**0.025**			1.8	0.18	1.825	1.98	0.016	0.027	**2.5**	7.9	2	
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	16775	04/26/99	9		39	79	17.8	8.05	85.6190953	155	5.86	0.09	**0.002**	0.11		0.92	0.202	1.032		0.24	5	**1**	153	2000
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	16776	05/24/99	6	7.91	20.6	98	22.4	4.4	51.7890875	39.4	6.17	**0.023**	**0.002**	0.27		0.45	0.295	0.722	**0.002**	0.08	7	8.7	32.8	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	13494	06/21/99	6	6.07	28.4	123.5	23	5.63	67.50511752	49.9	6.01	**0.02**	**0.0015**	0.21		0.41	0.2315	0.6215	0.01	0.086	5.5	19.7	27	300
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	13288	07/19/99	5	0.13	34.3	136.4	27.4	3.63	46.86423843	16.2		**0.025**	**0.0015**	0.156		0.41	0.1825	0.5675	0.012	0.059	10	15.7	11	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	13342	08/23/99	2	0	141.7	345	25.2	6.39	79.59315388	36.9	7.64	**0.01**	**0.0005**	0.052		0.67	0.0625	0.7225	**0.0025**	0.086	8	22.1	38	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	13219	10/04/99	2	0	73	300	17.2	7.74	82.32196244	19.1	7.79	**0.02**	**0.0005**	0.122		0.46	0.1425	0.5825	**0.0025**	0.053	9	30.9	29	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	13256	11/08/99	5	0	164	448.6	17	5.75	61.15649664	19.4	7.49	**0.02**	**0.0015**	0.098		0.21	0.1195	0.3095	**0.002**	0.038	15	36.8	15	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	18181	12/13/99	9	213.6	10	65.8	9.5	9.73	86.46352229	54.5	6.14	0.022	**0.0015**	0.17		**0.05**	0.1935	0.2215	0.006	0.099	6	6.38	43	800
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	18136	01/18/00	5	2.57	17	109.2	10.6			30.3	7.6	**0**	**0.002**	0.186		0.26	0.188	0.448	**0.0025**	0.056	10.5	19.4	13	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	18039	02/20/00	5	2.53	14.9	117.9	9.7	7.89	70.11276371	25.7	6.97	**0.01**	**0.0015**	0.052		0.41	0.0635	0.4635	**0.002**	0.049	11	19.6	19	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	17797	03/27/00	9	142.05	10.5	81.7	16.2	8.21	85.54782929	70.3	7.11	**0**	0.006	0.06		0.79	0.066	0.856	**0.0015**	0.103	5.5	6.54	51	2600
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	18670	05/08/00	6	25.58	14.8	86.8	22	5.64	66.38419398	37.6	6.99	**0**	0.007	0.158		0.57	0.165	0.735	0.006	0.076	6.5	**0.1**	16	100
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	21406	06/12/00	7	27.23	22.3	91.5	22.8	5.2	61.20528523	104	6.79	0.116	0.009	0.074		1.01	0.199	1.093	0.017	0.197	5.2	**0.125**	97	2300
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	19038	07/17/00	4	0.05	109.3	285.9	27.2	2.72	35.11590317	21.1	7.3	**0.025**			0.19	0.48	0.215	0.67	0.033	0.082	**2.5**	11.8	18	540
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	19155	08/21/00	2	0	136	388.6	24.3	3.4	41.5433676	45	7.6	0.08			0.18	0.61	0.26	0.79	0.045	0.134	**2.5**	8.6	34	
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	21508	09/25/00	2	0	110	449.7	15.7	2.45	24.97115793	140	7.68	0.08			0.19	0.66	0.27	0.85	0.126	0.261	8.3	68.1	80	4000
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	21840	10/31/00	6	4.07	48	140	21	3.11	35.86513335	43.3	7.65	**0.025**			**0.025**	0.62	0.05	0.645	0.033	0.11	**2.5**	9.3	26	1000
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	22267	12/06/00	6	8.19	41	78	5.4	8.38	67.45837905	22.5	7.64	**0.025**			0.46	0.2	0.485	0.66	0.011	0.033	**2.5**	10.2	1	20
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	22320	01/17/01	7	33.13	33	81	4.3	11.86	92.99232583	63.9	7.9	**0.025**			0.46	0.14	0.485	0.6	0.01	0.044	**2.5**	20.3	2	160
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	22592	02/21/01	7	46.55	31	64	10.3	6.99	63.6583426	31.6	7.59	**0.025**			0.32	0.33	0.345	0.65	0.02	0.048	**2.5**	16.2	1	300
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	23029	03/27/01	5	1.38	49	119.8	10.8	10.43	94.98662565	12.9	7.72	**0.025**			0.19	0.2	0.215	0.39	0.011	0.036	**2.5**	20.1	1	30
Pine Creek	OK410300-03-0580C	Pushmataha	OM	17193	04/19/99	5	21.77	24	63.7	15.3	9.55	96.61513104	5.18	6.88	**0**	**0.0005**	**0.025**		0.12	0.0255	0.1455		0.02	6	**1.5**	2	
Pine Creek	OK410300-03-0580C	Pushmataha	OM	16816	05/17/99	7	53.69	8.88	43	22.2	8.3	96.96898587	10	6.38	**0**	**0.0015**	**0.025**		**0.025**	0.0265	0.0515	**0**	0.03	6	**1**	1	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	13387	06/14/99	6	30.32	14.3	65.4	24.6	7.68	93.14363448	8.12		**0.025**	0.007	0.13		0.26	0.162	0.397	**0.002**	0.031	5.5	**1**	2	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	13600	07/12/99	5	4.38	13.5	61.5	26.9	6.42	80.84585394	5.69	6.16	**0**	**0.0005**	0.073		0.11	0.0735	0.1835	**0.0025**	0.03	5	**0.5**	1	
Pine Creek	OK410300-03-0580C	Pushmataha	OM	13312	08/16/99	5	0.97	19.3	74.7	26	5.01	63.08998882	3.53	6.33	**0**	**0.0005**	0.06		0.16	0.0605	0.2205	**0.0001**	0.027	5	2.44	1.5	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	13274	09/27/99	5	0.34	19.2	78.5	21.4	7.8	89.284453	2.2	6.49	**0**	**0.001**	0.086		0.14	0.087	0.227	**0**	0.018	9	**0.35**	3	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	13404	11/01/99	5	0.2	22	98.6	13.8	8.2	79.40893268	1.42	6.59	**0**	**0.0025**	0.016		**0.04**	0.0185	0.0585	**0**	**0**	12	7.73	1	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	18236	12/06/99	7	53.87	10.3	92.6	9.4	11.57	102.0522586	27.7	6.29	**0**	0.041	2.05		0.74	2.091	2.831	**0**	0.05	7	2.74	16.2	800
Pine Creek	OK410300-03-0580C	Pushmataha	OM	18000	01/10/00	7	63.08	8.2	78.7	7	10.3	86.57766149	14.2	7.93	**0**	**0.0015**	0.87		0.23	0.8715	1.1015	**0.0001**	0.014	8	12.5	7	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	18018	02/14/00	5	13.68	8.2	74.4	9.6	9.91	87.41036153	6.79	7.09	0.019	**0.0005**	0.4		0.14	0.4195	0.5405	**0**	0.013	7.2	11.6	0.5	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	17304	03/20/00	5	23.26	10.7	78.4	9.6	10.65	93.93747228	7.72	6.85	**0**	**0.001**	**0.0225**		0.27	0.0235	0.2935	**0.0025**	0.016	6.5	9.75	4.8	100

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Pine Creek	OK410300-03-0580C	Pushmataha	OM	18632	05/01/00	9	1985.47	30	36.8	18.1	7.46	80.42262885	111		**0**	0.006	0.29		0.88	0.296	1.176	**0.0025**	0.074	3	**0.5**	9	2500
Pine Creek	OK410300-03-0580C	Pushmataha	OM	21374	06/05/00	6	27.21	67	53.8	23.1	7.75	92.23572888	23.4	7.81	**0**	**0.002**	0.117		0.3	0.119	0.419	**0.002**	0.04	4.5	**0.01**	9	100
Pine Creek	OK410300-03-0580C	Pushmataha	OM	18802	07/10/00	4	1.78	64		29.2	6.32	83.94463799	5.98	7.77	**0.025**			**0.025**	0.27	0.05	0.295	**0.0025**	0.015	**2.5**	7.1	2	20
Pine Creek	OK410300-03-0580C	Pushmataha	OM	19291	08/14/00	2	0	69	99	27.1	4.03	51.64272659	5.97	8.41	**0.025**			0.07	0.25	0.095	0.32	0.016	0.03	5.3	6.2	4	60
Pine Creek	OK410300-03-0580C	Pushmataha	OM	21682	09/18/00	5	0.52	61	109	21.2	5.55	63.52932233	5.33	7.8	0.11			**0.025**	0.38	0.135	0.405	0.007	0.032	7.8	6.2	4	
Pine Creek	OK410300-03-0580C	Pushmataha	OM	21778	10/23/00	4	0.82	42	104	18.8	7.05	76.00261842	3.48	8.49	**0.025**			0.05	0.22	0.075	0.27	0.006	0.009	7.1	8.6	2	
Pine Creek	OK410300-03-0580C	Pushmataha	OM	21988	11/27/00	7	63.07	44	41	8.6	10.94	94.21147941	15.6	8.2	**0.025**			0.59	0.22	0.615	0.81	0.006	0.022	**2.5**	6	1	
Pine Creek	OK410300-03-0580C	Pushmataha	OM	22274	01/08/01	7	53.5	50	48	3.1	12.5	94.75060474	12.3	8.13	**0.025**			0.59	0.23	0.615	0.82	**0.0025**	0.019	**2.5**	8.6	1	10
Pine Creek	OK410300-03-0580C	Pushmataha	OM	22479	02/12/01	7	44.42	37	49	6.5	11.09	90.89325655	14.4	7.5	**0.025**			0.35	0.11	0.375	0.46	0.007	0.035	**2.5**	10.7	1	40
Pine Creek	OK410300-03-0580C	Pushmataha	OM	22710	03/19/01	5	23.03	29	41.3	11.2	10.1	93.45559375	6.7	8.22	**0.025**			0.15	0.1	0.175	0.25	**0**	**0.0025**	**2.5**	9.7	1	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	16819	04/26/99	9	179.23	26	51.8	16.8	8.85	91.86814474	80.5	5.77	0.1	0.005	0.06		1.01	0.165	1.075		0.2	4	**1**	80.5	5000
Dry Creek	OK410310-01-0070C	Pushmataha	OM	16820	05/24/99	5	4.28	16.9	63.3	25.6	8.87	110.0662864	3.95	7.54	**0**	**0.0025**	**0.025**		0.07	0.0275	0.0975	**0**	0.016	3	6.8	2	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	13615	06/21/99	5	6.46	18.4	69	25.5	8.97	111.307169	12	7.43	**0.01**	**0.0005**	**0.025**		0.14	0.0355	0.1655	**0.0025**	0.015	2.5	8.64	1	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	13289	07/19/99	5	3.08	20.8	73.7	28.7	7.76	101.5941247	5.8		**0**	**0.0005**	**0.025**		0.06	0.0255	0.0855	0.006	0.01	5	7.95	2	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	13344	08/23/99	4	0.01	27.7	106.3	29.4	6.25	83.3187142	7.09	7.01	**0.01**	**0.0005**	**0**		0.2	0.0105	0.2005	**0.0001**	0.007	3	10.8	3	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	13396	10/04/99	2	0	30	140.9	16.3	8.24	85.53599013	8.15	6.92	**0.01**	**0.0025**	0.017		0.42	0.0295	0.4395	**0.0025**	0.032	4	24.4	7.5	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	13258	11/08/99	2	0	22.1	185	15	6.6	67.01505383	3.82	6.53	**0**	**0.002**	0.21		**0.035**	0.212	0.247	**0.0001**	0.024	6	39.2	3	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	18179	12/13/99	7	43.46	11	70.2	12.8	9.33	88.65990839	9.16	6.24	**0**	**0.0005**	1.33		**0.05**	1.3305	1.3805	0.006	0.037	4	11.7	5	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	18134	01/18/00	5	4.24	11.3	74.3	12.5			2.61	7.49	**0**	**0.001**	0.416		**0.05**	0.417	0.467	**0.0025**	0.01	4	11.6	1	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	18041	02/20/00	6	24.48	10.9	72.5	11.9	10.24	95.09781607	2.11	7.51	**0.025**	**0.001**	0.23		0.2	0.256	0.431	**0.0015**	0.007	4	12.1	1	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	17799	03/27/00	5	7.08	13.8	81.6	22.2	8.03	94.15794385	5.89	7.84	**0**	**0.001**	**0.01**		0.1	0.011	0.111	**0**	0.019	3	15.2	1	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	18672	05/08/00	5		17.7	77.2	23.4	9.02	107.7434006	5.1	8.47	**0**	**0.002**	0.114		0.15	0.116	0.266	**0.0015**	0.019	3	9.3	2	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	21412	06/12/00	5	3.33	23.3	86.5	26.4	8.34	105.4084518	3.13	7.64	**0.02**	**0.0005**	**0.02**		0.12	0.0405	0.1405	**0.0015**	0.049	3.8	10.3	1.5	100
Dry Creek	OK410310-01-0070C	Pushmataha	OM	19040	07/17/00	5	0.6	26.9	109.8	30.4	8.21	111.3344882	4.7	7.69	**0.025**			**0.025**	0.14	0.05	0.165	0.006	0.03	**2.5**	8.9	1	500
Dry Creek	OK410310-01-0070C	Pushmataha	OM	19157	08/21/00	4	0.05	33.4	141.7	29.7	5.88	78.38624632	5.83	7.22	**0.025**			**0.025**	0.27	0.05	0.295	0.005	0.02	**2.5**	7.3	1	70
Dry Creek	OK410310-01-0070C	Pushmataha	OM	21510	09/25/00	2	0	51	184.9	16.5	6.68	69.34228326	51.1	7.97	0.06			0.08	0.68	0.14	0.76	0.026	0.16	**2.5**	14.7	40	21000
Dry Creek	OK410310-01-0070C	Pushmataha	OM	21836	10/31/00	4		46	180	21.1	7.63	87.65817752	4.69	8.2	**0.025**			2.4	0.3	2.425	2.7	0.007	0.011	**2.5**	29.8	7	1000
Dry Creek	OK410310-01-0070C	Pushmataha	OM	22272	12/06/00	6	1.35	44	85	9.5	13.27	117.4753762	32.6	7.71	**0.025**			1.09	0.16	1.115	1.25	0.012	0.029	**2.5**	9.3	2	110
Dry Creek	OK410310-01-0070C	Pushmataha	OM	22317	01/17/01	6	4.2	31	68	5.7	12.11	97.116241	35.2	8.33	**0**			0.67	0.05	0.67	0.72	0.007	0.027	**2.5**	12.4	1	40
Dry Creek	OK410310-01-0070C	Pushmataha	OM	22588	02/21/01	6	10.21	30	64	10.2	8.85	80.29292154	19.3	8.06	**0.025**			0.73	0.11	0.755	0.84	0.011	0.02	**2.5**	11	1	20
Dry Creek	OK410310-01-0070C	Pushmataha	OM	23025	03/27/01	5	5.69	24	59.9	9.1	10.96	97.02563097	4.4	7.9	**0**			**0.025**	**0.025**	0.025	0.05	0.007	0.008	**2.5**	11.5	6	40
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	16824	04/26/99	9	86.43	27	129.8	17.2	8.66	92.16183635	47.2	7.07	**0.01**	**0.002**	**0.01**		0.26	0.022	0.272		0.09	6	**1**	27	5000
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	16825	05/24/99	6	17.01	9.6	57.2	21.4	8.15	94.04336124	27.7	6.34	**0.025**	**0.001**	0.076		0.21	0.102	0.287	**0.0001**	0.041	5	4.6	8	200
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	13614	06/21/99	5	0.56	17.4	74.5	24.4	8.21	100.3747351	16.7	6.76	**0.01**	**0.0005**	**0.034**		0.1	0.0445	0.1345	**0.002**	0.034	5	9.98	6	100
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	13421	07/19/99	5	0.16	18.4	89.6	29.3	6.2	83.01505624	11.4		**0.01**	**0.0005**	**0.025**		0.18	0.0355	0.2055	**0.0025**	0.029	8.5	10.1	10	100

Appendix B-1. Water quality data for Task 110 intensive sites. (*sum of ammonia, nitrite, and nitrate; **sum of nitrite, nitrate, and TKN)

Site Name	WBID	County	E-region	Sample ID	Date	Stage	Discharge (cfs)	Alk (mg/l as CaCO3)	Cond (uS/cm)	Temp C	DO (mg/l)	DO, (% Sat)	Turb (NTU)	pH	Ammonia (mg/l)	Nitrite (mg/l)	Nitrate (mg/l)	Nitrate-Nitrite (mg/l)	TKN (mg/l)	Available-N* (mg/l)	Total-N** (mg/l)	oP (mg/l)	TP (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	TSS (mg/l)	Fecal Coliform (cfu/100ml)
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	13343	08/23/99	2	0	42.5	184.4	26.2	5.05	64.10669646	57.3	6.96	**0.01**	**0.001**	**0.025**		0.78	0.036	0.806	**0.0025**	0.078	14	21	30.5	100
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	13220	10/04/99	2	0	26	135.9	15.5	8.43	85.9723197	19.1	6.69	**0.01**	**0.0005**	0.07		0.36	0.0805	0.4305	**0.0025**	0.05	11	17	11	100
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	13257	11/08/99	2	0	47.6	231.3	18	6.81	74.00751883	20.9	10.1	**0.01**	**0.0015**	0.075		0.4	0.0865	0.4765	**0**	0.049	15	35.8	19.5	100
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	18180	12/13/99	7	44.32	5.4	49.6	10.6	9.97	90.85143329	26.8	6.24	**0**	**0.0015**	0.24		**0.05**	0.2415	0.2915	**0.002**	0.048	5.5	4.82	15	300
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	18135	01/18/00	5	4.88	9.9	85.2	12.2			14.7	7.37	**0**	**0.0015**	0.032		0.15	0.0335	0.1835	**0.0025**	0.026	9	13.1	3	100
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	18040	02/20/00	5	1.24	11.9	88.4	10.3	9.84	89.66681079	12.3	7.1	**0.025**	**0.001**	**0**		0.26	0.026	0.261	**0.0001**	0.025	10	12.7	8	100
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	17798	03/27/00	6	11.57	12.3	81.7	19.1	8.63	95.71066858	64.6	6.64	**0**	0.005	**0**		0.34	0.005	0.345	**0.0015**	0.063	6	7.74	25	300
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	18671	05/08/00	6	5.34	11.8	71.7	22.3	6.87	80.90973767	20.8	6.63	**0**	**0.0025**	**0.01**		0.31	0.0125	0.3225	**0.0015**	0.042	5	12.9	5	700
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	21407	06/12/00	5	0.23	23.9	95.9	26.4	8.27	104.9826494	9.65	6.64	**0.015**	**0.001**	**0**		0.38	0.016	0.381	**0.0001**	0.073	7.8	10.7	25.5	200
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	19039	07/17/00	2	0	91	250.6	27.8	4.65	60.06844164	19.8	8.21	**0.025**			0.08	1.33	0.105	1.41	0.026	0.197	5.8	9.6	6	7200
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	19156	08/21/00	2	0	51.7	247.7	25	5.35	66.67869804	47.3	7.39	0.07			**0.025**	1	0.095	1.025	0.052	0.137	10.4	12.7	26	
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	21509	09/25/00	2	0	94	372.9	14	4.69	46.80777623	36	8.18	0.11			0.11	0.96	0.22	1.07	0.027	0.116	8	23.1	20	21000
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	21841	10/31/00	2	0	48	178	25.5	8.81	109.8017439	38.8	8.33	0.06			**0.025**	0.84	0.085	0.865	0.014	0.035	6.1	31.2	18	1900
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	22269	12/06/00	5	4.05	36	67	7	13.47	114.1367539	16.3	7.69	**0.025**			0.65	0.11	0.675	0.76	0.006	0.023	**2.5**	7.2	2	160
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	22321	01/17/01	7	21.48	31	56	4.7	12.36	96.97043976	59.6	7.74	**0.025**			0.28	0.14	0.305	0.42	0.01	0.036	**2.5**	15.8	1	120
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	22591	02/21/01	6	8.12	21	51	10.6	6.41	58.41100174	15.3	7.61	**0.025**			0.25	0.06	0.275	0.31	0.007	0.029	**2.5**	10.8	1	90
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	23028	03/27/01	5	4.62	21	51.4	9.8	12.35	109.810916	16.8	7.63	**0**			0.06	**0.025**	0.06	0.085	0.012	0.013	**2.5**	11.6	4	100

Appendix B-2. Descriptive statistics by ecoregion for water quality evaluation parameters for Task 110 intensive sites.

Variable	E-region	N	N*	Mean	SE Mean	StDev	Minimum	Q1	Median	Q3	Maximum
DO (% sat)	AV	103	9	63.18	2.51	25.51	2.28	45.77	65.43	82.42	115.06
	CGP	38	1	103.55	3.97	24.5	75.24	88.54	99.03	110.72	217.04
	CIP	387	4	84.04	1.6	31.49	1.56	67.61	90.25	103.55	166.05
	COTP	490	9	92.58	1.27	28.13	6.31	77.58	91.58	103.22	256.11
	FH	140	0	95.11	1.84	21.77	10.43	84.22	94.47	105.77	195.8
	OH	71	1	96.93	2.61	21.98	6.12	91.25	98.28	106.63	144.24
	OM	63	3	81.09	2.7	21.45	24.97	66.68	83.32	95.71	117.48
pH	AV	98	14	7.2155	0.0541	0.5353	5.91	6.8575	7.14	7.68	8.29
	CGP	32	7	8.1313	0.064	0.3622	6.93	7.9075	8.125	8.3375	8.8
	CIP	330	61	7.7925	0.0258	0.4678	5.91	7.5	7.805	8.09	9.78
	COTP	414	85	7.8533	0.0272	0.5544	5.75	7.5275	7.93	8.22	9.52
	FH	108	32	7.8345	0.0427	0.4434	6.45	7.61	7.89	8.1625	8.47
	OH	62	10	7.8627	0.0415	0.3268	6.88	7.6575	7.855	8.0875	8.63
	OM	62	4	7.4334	0.0913	0.7185	6.01	6.91	7.57	7.8025	10.1
Turb (NTU)*	AV	112	0	20.77	1.58	16.68	3.1	9.87	15.7	27.33	112
	CGP	39	0	18.38	3.24	20.21	1.94	5.54	11.3	22.7	91.8
	CIP	385	6	15.95	1.32	25.9	0.2	3.04	7.6	18.15	239
	COTP	496	3	26.24	1.63	36.34	0.5	7.19	13.75	30.35	335
	FH	139	1	21.59	2.14	25.26	1.49	7.17	12.2	25	142
	OH	72	0	2.575	0.27	2.287	0.56	1.438	1.91	3.03	16.5
	OM	66	0	20.21	2.66	21.61	1.42	5.77	15	28.35	140
Available-N (mg/l)*	AV	112	0	0.1958	0.0249	0.2635	0.0005	0.05	0.1035	0.2543	1.48
	CGP	39	0	1.603	0.199	1.241	0.05	0.553	1.245	2.662	4.25
	CIP	391	0	0.4922	0.0333	0.6582	0.0005	0.068	0.2415	0.5825	4.21
	COTP	498	1	0.3603	0.0345	0.7706	0.0005	0.0715	0.155	0.3433	8.641
	FH	140	0	0.199	0.0505	0.5981	0	0.0271	0.0555	0.175	6.61
	OH	72	0	1.1088	0.0937	0.7952	0.05	0.4994	0.935	1.457	3.81
	OM	66	0	0.195	0.0422	0.3432	0.005	0.0359	0.091	0.215	2.425
Total-N (mg/l)*	AV	112	0	0.636	0.0472	0.4992	0.051	0.3229	0.493	0.8028	2.78
	CGP	39	0	2.189	0.197	1.233	0.395	1	2.42	3.18	4.79
	CIP	391	0	1.0158	0.0581	1.1486	0.0405	0.4	0.665	1.233	13.87
	COTP	497	2	0.803	0.0442	0.9863	0.0495	0.375	0.559	0.9	11.147
	FH	140	0	0.5182	0.0562	0.665	0	0.2613	0.3705	0.5819	7.06
	OH	72	0	1.2466	0.0959	0.8137	0.115	0.5614	1.08	1.593	3.835
	OM	66	0	0.4847	0.0499	0.4057	0.05	0.2254	0.3935	0.6825	2.7
o-P (mg/l)*	AV	112	0	0.01485	0.00355	0.03753	0	0.002	0.006	0.01375	0.258
	CGP	37	2	0.06903	0.00983	0.05978	0	0.0265	0.051	0.098	0.305
	CIP	376	15	0.03337	0.00347	0.06736	0	0.006	0.0155	0.03175	0.622
	COTP	482	17	0.0789	0.0124	0.273	0	0.0025	0.0125	0.031	3.61
	FH	132	8	0.029	0.0102	0.1176	0	0.0025	0.008	0.016	1.267
	OH	71	1	0.02564	0.00288	0.02423	0	0.006	0.012	0.046	0.095
	OM	65	1	0.00922	0.00226	0.01822	0	0.0015	0.0025	0.0105	0.126
Total-P (mg/l)*	AV	112	0	0.0645	0.00776	0.08212	0.009	0.031	0.043	0.06475	0.645
	CGP	39	0	0.1326	0.0152	0.095	0.022	0.072	0.108	0.156	0.53
	CIP	391	0	0.09889	0.00658	0.13014	0.002	0.033	0.056	0.107	1.149
	COTP	499	0	0.1487	0.0156	0.3483	0.0025	0.034	0.056	0.102	3.7
	FH	140	0	0.071	0.0105	0.1248	0.007	0.027	0.047	0.073	1.33
	OH	72	0	0.04359	0.00368	0.03122	0.0015	0.01625	0.034	0.06575	0.117
	OM	66	0	0.0469	0.00582	0.04728	0	0.01875	0.0305	0.05675	0.261
TSS (mg/l)*	AV	109	3	13.71	1.44	15.03	1	4.75	10	16.25	108
	CGP	38	1	15.79	2.56	15.79	1	5.38	10.25	19.75	74
	CIP	388	3	14.175	0.981	19.318	0.5	2	8	19.75	152
	COTP	490	9	21.07	1.3	28.79	0.5	5	12	26	220
	FH	140	0	20.28	2.88	34.05	1	5	11	26	349
	OH	72	0	3.878	0.886	7.519	1	1	1	3	50
	OM	66	0	10.77	1.71	13.89	0.5	1.5	4.4	18	80
ln Fecal Col (cfu/100 mls)	AV	107	5	4.919	0.115	1.193	2.303	4.605	4.605	5.298	11.035
	CGP	37	2	5.839	0.31	1.883	2.303	4.605	5.704	7.087	10.597
	CIP	375	16	4.9847	0.0854	1.6531	2.3026	4.4998	4.6052	5.3936	10.6454
	COTP	449	50	5.4199	0.0735	1.5572	2.3026	4.6052	5.1358	6.2146	10.5966
	FH	136	4	5.315	0.157	1.833	2.303	4.605	4.605	6.397	9.999
	OH	66	6	4.356	0.139	1.131	2.303	3.689	4.605	4.605	7.601
	OM	60	6	5.051	0.185	1.429	2.996	4.605	4.605	4.982	9.952

*data collected during elevated or high flow stages omitted

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Greenleaf Creek	OK120400-01-0120C	Alk, mg/l	18	0	64.11	4.60	19.51	38.00	52.25	63.00	73.50	128.00
Greenleaf Creek	OK120400-01-0120C	Ammonia, mg/l	17	1	0.01	0.00	0.02	0.00	0.00	0.00	0.03	0.06
Greenleaf Creek	OK120400-01-0120C	Available-N, mg/l	18	0	0.22	0.09	0.37	0.00	0.01	0.05	0.27	1.32
Greenleaf Creek	OK120400-01-0120C	Chloride, mg/l	18	0	3.18	0.18	0.76	2.50	2.50	3.00	3.85	5.00
Greenleaf Creek	OK120400-01-0120C	Cond, mS/cm	18	0	167.38	8.03	34.06	106.80	147.80	169.00	181.65	242.50
Greenleaf Creek	OK120400-01-0120C	DO, mg/l	18	0	9.57	0.60	2.54	4.89	7.76	8.98	12.00	13.87
Greenleaf Creek	OK120400-01-0120C	DOpsat	18	0	101.17	5.29	22.45	50.71	92.21	100.29	111.67	159.23
Greenleaf Creek	OK120400-01-0120C	Fecal col, cfu/100ml	17	1	241.00	120.00	496.00	10.00	20.00	100.00	100.00	2000.00
Greenleaf Creek	OK120400-01-0120C	Inst. Q, cfs	17	1	38.40	16.60	68.50	0.00	0.02	18.50	48.60	286.90
Greenleaf Creek	OK120400-01-0120C	NitrateNitrite, mg/l	18	0	0.21	0.09	0.37	0.00	0.01	0.03	0.25	1.29
Greenleaf Creek	OK120400-01-0120C	pH	15	3	7.95	0.08	0.29	7.41	7.76	7.95	8.08	8.62
Greenleaf Creek	OK120400-01-0120C	Sulfate, mg/l	18	0	14.50	1.30	5.53	3.77	11.50	15.10	17.28	23.60
Greenleaf Creek	OK120400-01-0120C	Temp, C	18	0	18.63	2.07	8.77	3.70	10.25	19.80	25.13	33.40
Greenleaf Creek	OK120400-01-0120C	TKN, mg/l	18	0	0.24	0.04	0.18	0.03	0.05	0.22	0.38	0.53
Greenleaf Creek	OK120400-01-0120C	Total o-P, mg/l	17	1	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.02
Greenleaf Creek	OK120400-01-0120C	Total-N, mg/l	18	0	0.45	0.08	0.36	0.04	0.20	0.43	0.56	1.49
Greenleaf Creek	OK120400-01-0120C	Total-P, mg/l	18	0	0.03	0.00	0.02	0.01	0.02	0.03	0.04	0.06
Greenleaf Creek	OK120400-01-0120C	TSS, mg/l	18	0	4.64	1.12	4.74	1.00	1.00	2.75	6.63	19.00
Greenleaf Creek	OK120400-01-0120C	Turb, NTU	18	0	6.17	1.28	5.43	1.60	3.45	4.60	5.99	23.10
South Fork of Dirty Creek	OK120400-02-0030F	Alk, mg/l	11	0	107.30	12.30	40.60	17.40	88.00	106.80	140.00	172.00
South Fork of Dirty Creek	OK120400-02-0030F	Ammonia, mg/l	11	0	0.02	0.01	0.02	0.00	0.01	0.01	0.03	0.06
South Fork of Dirty Creek	OK120400-02-0030F	Available-N, mg/l	11	0	0.22	0.12	0.39	0.01	0.05	0.09	0.14	1.35
South Fork of Dirty Creek	OK120400-02-0030F	Chloride, mg/l	11	0	5.20	0.62	2.06	2.50	2.50	5.20	6.50	9.00
South Fork of Dirty Creek	OK120400-02-0030F	Cond, mS/cm	11	0	449.90	48.20	159.90	131.00	364.00	469.90	620.00	671.00
South Fork of Dirty Creek	OK120400-02-0030F	DO, mg/l	10	1	5.49	0.85	2.68	0.23	4.39	5.36	7.15	9.28
South Fork of Dirty Creek	OK120400-02-0030F	DOpsat	10	1	60.87	7.78	24.62	2.28	52.88	69.03	75.06	81.85
South Fork of Dirty Creek	OK120400-02-0030F	Fecal col, cfu/100ml	11	0	109.10	17.00	56.30	40.00	100.00	100.00	100.00	270.00
South Fork of Dirty Creek	OK120400-02-0030F	Inst. Q, cfs	9	2	2.24	1.09	3.27	0.00	0.03	1.11	3.10	10.36
South Fork of Dirty Creek	OK120400-02-0030F	NitrateNitrite, mg/l	11	0	0.21	0.12	0.38	0.00	0.03	0.08	0.14	1.32
South Fork of Dirty Creek	OK120400-02-0030F	pH	8	3	7.46	0.14	0.39	7.01	7.11	7.33	7.78	8.14
South Fork of Dirty Creek	OK120400-02-0030F	Sulfate, mg/l	11	0	102.50	10.90	36.10	41.00	86.50	99.00	125.00	175.00
South Fork of Dirty Creek	OK120400-02-0030F	Temp, C	11	0	20.24	2.65	8.80	6.60	10.70	23.30	27.80	30.50
South Fork of Dirty Creek	OK120400-02-0030F	TKN, mg/l	11	0	0.38	0.05	0.16	0.14	0.23	0.37	0.50	0.67
South Fork of Dirty Creek	OK120400-02-0030F	Total o-P, mg/l	11	0	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.03
South Fork of Dirty Creek	OK120400-02-0030F	Total-N, mg/l	11	0	0.59	0.12	0.38	0.22	0.37	0.44	0.75	1.55
South Fork of Dirty Creek	OK120400-02-0030F	Total-P, mg/l	11	0	0.05	0.01	0.04	0.03	0.03	0.04	0.05	0.14
South Fork of Dirty Creek	OK120400-02-0030F	TSS, mg/l	11	0	9.18	2.26	7.49	1.00	2.00	9.00	15.50	25.00
South Fork of Dirty Creek	OK120400-02-0030F	Turb, NTU	11	0	16.95	3.77	12.51	5.78	8.59	13.20	17.50	44.60
Candy Creek: Site # 1	OK121300-02-0080G	Alk, mg/l	17	0	78.00	8.27	34.10	31.00	56.50	75.00	91.00	179.00
Candy Creek: Site # 1	OK121300-02-0080G	Ammonia, mg/l	16	1	0.02	0.01	0.03	0.00	0.00	0.03	0.03	0.11
Candy Creek: Site # 1	OK121300-02-0080G	Available-N, mg/l	17	0	0.10	0.02	0.08	0.00	0.05	0.08	0.13	0.31
Candy Creek: Site # 1	OK121300-02-0080G	Chloride, mg/l	17	0	46.20	14.70	60.50	11.00	21.00	29.90	46.00	272.00
Candy Creek: Site # 1	OK121300-02-0080G	Cond, mS/cm	17	0	393.60	62.70	258.40	100.30	234.00	320.90	428.00	1090.00
Candy Creek: Site # 1	OK121300-02-0080G	DO, mg/l	17	0	8.37	0.54	2.21	5.76	6.43	7.93	9.93	12.80
Candy Creek: Site # 1	OK121300-02-0080G	DOpsat	17	0	84.66	3.48	14.35	62.10	72.29	83.39	95.35	115.17
Candy Creek: Site # 1	OK121300-02-0080G	Fecal col, cfu/100ml	11	6	2002.00	1553.00	5149.00	10.00	100.00	100.00	600.00	17200.00
Candy Creek: Site # 1	OK121300-02-0080G	Inst. Q, cfs	17	0	4.49	2.46	10.15	0.00	0.00	0.00	1.21	36.07
Candy Creek: Site # 1	OK121300-02-0080G	NitrateNitrite, mg/l	17	0	0.08	0.02	0.08	0.00	0.02	0.05	0.10	0.28
Candy Creek: Site # 1	OK121300-02-0080G	pH	13	4	7.54	0.16	0.59	6.43	7.17	7.51	7.89	8.73
Candy Creek: Site # 1	OK121300-02-0080G	Sulfate, mg/l	17	0	37.35	4.04	16.67	4.00	24.70	35.30	50.20	67.00
Candy Creek: Site # 1	OK121300-02-0080G	Temp, C	17	0	16.59	2.20	9.06	4.00	6.70	17.70	25.40	28.80

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Candy Creek: Site # 1	OK121300-02-0080G	TKN, mg/l	16	1	0.35	0.04	0.14	0.05	0.26	0.32	0.49	0.57
Candy Creek: Site # 1	OK121300-02-0080G	Total o-P, mg/l	16	1	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.06
Candy Creek: Site # 1	OK121300-02-0080G	Total-N, mg/l	16	1	0.42	0.04	0.17	0.10	0.30	0.44	0.52	0.80
Candy Creek: Site # 1	OK121300-02-0080G	Total-P, mg/l	17	0	0.04	0.01	0.03	0.01	0.02	0.03	0.05	0.10
Candy Creek: Site # 1	OK121300-02-0080G	TSS, mg/l	17	0	14.09	2.58	10.63	1.00	6.50	9.00	26.50	32.00
Candy Creek: Site # 1	OK121300-02-0080G	Turb, NTU	17	0	18.88	4.29	17.67	2.47	6.72	13.80	27.80	66.10
Bird Creek	OK121300-03-0010A	Alk, mg/l	14	0	98.60	13.00	48.70	37.00	59.00	96.00	122.00	202.00
Bird Creek	OK121300-03-0010A	Ammonia, mg/l	13	1	0.05	0.02	0.06	0.00	0.01	0.03	0.08	0.20
Bird Creek	OK121300-03-0010A	Available-N, mg/l	14	0	0.20	0.04	0.14	0.00	0.09	0.19	0.31	0.55
Bird Creek	OK121300-03-0010A	Chloride, mg/l	14	0	30.15	5.12	19.17	13.30	19.08	25.00	32.30	89.90
Bird Creek	OK121300-03-0010A	Cond, mS/cm	14	0	335.80	37.80	141.50	123.40	247.00	318.90	372.50	670.00
Bird Creek	OK121300-03-0010A	DO, mg/l	14	0	9.14	0.66	2.46	5.53	6.56	9.77	11.53	12.43
Bird Creek	OK121300-03-0010A	DOpsat	14	0	90.16	5.01	18.76	66.29	77.12	85.82	95.19	129.59
Bird Creek	OK121300-03-0010A	Fecal col, cfu/100ml	8	6	132.50	68.30	193.10	10.00	22.50	100.00	100.00	600.00
Bird Creek	OK121300-03-0010A	Inst. Q, cfs	14	0	64.10	21.20	79.40	8.93	18.10	25.00	113.20	283.20
Bird Creek	OK121300-03-0010A	NitrateNitrite, mg/l	14	0	0.16	0.03	0.12	0.00	0.08	0.13	0.26	0.44
Bird Creek	OK121300-03-0010A	pH	11	3	7.65	0.14	0.46	7.08	7.20	7.56	8.03	8.51
Bird Creek	OK121300-03-0010A	Sulfate, mg/l	14	0	17.06	2.42	9.05	4.00	8.90	16.75	24.48	31.50
Bird Creek	OK121300-03-0010A	Temp, C	14	0	15.60	2.58	9.66	1.30	6.60	16.15	24.75	29.40
Bird Creek	OK121300-03-0010A	TKN, mg/l	14	0	0.39	0.04	0.15	0.05	0.31	0.43	0.52	0.59
Bird Creek	OK121300-03-0010A	Total o-P, mg/l	13	1	0.02	0.01	0.02	0.00	0.00	0.01	0.01	0.09
Bird Creek	OK121300-03-0010A	Total-N, mg/l	14	0	0.55	0.06	0.21	0.15	0.37	0.59	0.69	0.86
Bird Creek	OK121300-03-0010A	Total-P, mg/l	14	0	0.05	0.01	0.03	0.02	0.03	0.04	0.06	0.13
Bird Creek	OK121300-03-0010A	TSS, mg/l	14	0	20.36	5.45	20.40	2.00	8.88	13.00	22.38	74.00
Bird Creek	OK121300-03-0010A	Turb, NTU	14	0	21.27	5.22	19.55	7.26	12.20	13.55	20.58	76.40
Clear Creek	OK121300-03-0200C	Alk, mg/l	18	0	144.50	7.59	32.20	78.00	118.00	137.00	172.25	206.00
Clear Creek	OK121300-03-0200C	Ammonia, mg/l	16	2	0.03	0.01	0.04	0.00	0.00	0.02	0.03	0.14
Clear Creek	OK121300-03-0200C	Available-N, mg/l	18	0	0.10	0.03	0.11	0.00	0.04	0.06	0.14	0.47
Clear Creek	OK121300-03-0200C	Chloride, mg/l	18	0	45.40	5.16	21.91	15.60	25.00	42.50	72.00	80.30
Clear Creek	OK121300-03-0200C	Cond, mS/cm	18	0	465.30	29.30	124.50	295.50	364.40	463.40	549.50	717.00
Clear Creek	OK121300-03-0200C	DO, mg/l	18	0	10.26	0.36	1.53	8.16	8.83	10.26	11.44	12.84
Clear Creek	OK121300-03-0200C	DOpsat	18	0	108.96	4.71	20.00	89.92	97.86	102.58	109.56	166.37
Clear Creek	OK121300-03-0200C	Fecal col, cfu/100ml	18	0	1658.00	977.00	4144.00	10.00	92.50	105.00	675.00	16000.00
Clear Creek	OK121300-03-0200C	Inst. Q, cfs	18	0	14.08	3.89	16.48	0.00	2.89	6.13	23.83	58.30
Clear Creek	OK121300-03-0200C	NitrateNitrite, mg/l	18	0	0.08	0.02	0.10	0.00	0.03	0.03	0.12	0.39
Clear Creek	OK121300-03-0200C	pH	12	6	7.98	0.18	0.63	6.63	7.91	8.19	8.33	8.74
Clear Creek	OK121300-03-0200C	Sulfate, mg/l	18	0	19.12	2.54	10.79	1.00	11.60	18.30	26.48	42.40
Clear Creek	OK121300-03-0200C	Temp, C	18	0	17.81	2.24	9.48	5.40	8.43	17.85	27.10	33.60
Clear Creek	OK121300-03-0200C	TKN, mg/l	18	0	0.29	0.03	0.12	0.05	0.21	0.29	0.37	0.48
Clear Creek	OK121300-03-0200C	Total o-P, mg/l	17	1	0.01	0.01	0.02	0.00	0.00	0.00	0.01	0.10
Clear Creek	OK121300-03-0200C	Total-N, mg/l	18	0	0.37	0.04	0.18	0.06	0.26	0.36	0.44	0.86
Clear Creek	OK121300-03-0200C	Total-P, mg/l	18	0	0.04	0.01	0.04	0.01	0.01	0.03	0.06	0.15
Clear Creek	OK121300-03-0200C	TSS, mg/l	18	0	16.14	5.97	25.31	1.00	2.00	5.50	22.00	98.50
Clear Creek	OK121300-03-0200C	Turb, NTU	18	0	21.59	7.73	32.81	1.84	2.91	5.16	27.33	108.00
North Bird Creek	OK121300-03-0320M	Alk, mg/l	17	0	161.60	10.50	43.40	103.00	130.50	156.00	189.00	269.00
North Bird Creek	OK121300-03-0320M	Ammonia, mg/l	16	1	0.02	0.01	0.03	0.00	0.00	0.03	0.03	0.12
North Bird Creek	OK121300-03-0320M	Available-N, mg/l	17	0	0.06	0.02	0.07	0.00	0.02	0.05	0.08	0.29
North Bird Creek	OK121300-03-0320M	Chloride, mg/l	17	0	14.33	1.93	7.96	6.40	7.85	12.00	18.75	31.00
North Bird Creek	OK121300-03-0320M	Cond, mS/cm	17	0	406.50	21.30	87.90	239.60	356.50	398.00	431.60	587.00
North Bird Creek	OK121300-03-0320M	DO, mg/l	17	0	8.39	0.63	2.58	1.93	6.45	8.08	10.80	11.90
North Bird Creek	OK121300-03-0320M	DOpsat	17	0	85.82	4.90	20.20	21.12	78.52	88.44	100.04	107.72

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
North Bird Creek	OK121300-03-0320M	Fecal col, cfu/100ml	17	0	604.00	215.00	886.00	50.00	100.00	200.00	750.00	3200.00
North Bird Creek	OK121300-03-0320M	Inst. Q, cfs	17	0	4.55	1.45	5.99	0.00	0.00	1.77	6.23	19.19
North Bird Creek	OK121300-03-0320M	NitrateNitrite, mg/l	17	0	0.04	0.01	0.06	0.00	0.01	0.03	0.05	0.26
North Bird Creek	OK121300-03-0320M	pH	13	4	7.87	0.09	0.33	7.33	7.60	7.89	8.08	8.40
North Bird Creek	OK121300-03-0320M	Sulfate, mg/l	17	0	25.61	2.38	9.83	0.55	20.05	24.60	32.05	45.40
North Bird Creek	OK121300-03-0320M	Temp, C	17	0	16.88	2.16	8.92	0.90	6.95	18.30	24.35	29.80
North Bird Creek	OK121300-03-0320M	TKN, mg/l	17	0	0.27	0.03	0.13	0.05	0.19	0.27	0.34	0.56
North Bird Creek	OK121300-03-0320M	Total o-P, mg/l	16	1	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.05
North Bird Creek	OK121300-03-0320M	Total-N, mg/l	17	0	0.31	0.04	0.15	0.05	0.21	0.33	0.41	0.60
North Bird Creek	OK121300-03-0320M	Total-P, mg/l	17	0	0.05	0.01	0.02	0.02	0.03	0.04	0.06	0.09
North Bird Creek	OK121300-03-0320M	TSS, mg/l	17	0	21.24	4.08	16.83	2.00	8.25	15.00	30.00	58.00
North Bird Creek	OK121300-03-0320M	Turb, NTU	17	0	22.16	4.17	17.18	4.10	10.85	15.30	30.30	69.10
Hominy Creek: Downstream	OK121300-04-0280M	Alk, mg/l	14	2	137.70	10.30	38.50	83.00	102.80	134.00	168.80	214.00
Hominy Creek: Downstream	OK121300-04-0280M	Ammonia, mg/l	15	1	0.03	0.01	0.04	0.00	0.00	0.03	0.03	0.14
Hominy Creek: Downstream	OK121300-04-0280M	Available-N, mg/l	16	0	0.79	0.40	1.60	0.01	0.14	0.34	0.52	6.61
Hominy Creek: Downstream	OK121300-04-0280M	Chloride, mg/l	16	0	168.40	24.60	98.30	52.00	93.30	142.50	230.50	419.00
Hominy Creek: Downstream	OK121300-04-0280M	Cond, mS/cm	16	0	820.70	83.40	333.60	366.00	547.80	744.00	1047.80	1472.00
Hominy Creek: Downstream	OK121300-04-0280M	DO, mg/l	16	0	10.23	0.64	2.57	6.84	7.70	10.05	12.64	14.60
Hominy Creek: Downstream	OK121300-04-0280M	DOpsat	16	0	104.26	6.76	27.05	79.17	86.13	100.37	109.66	195.80
Hominy Creek: Downstream	OK121300-04-0280M	Fecal col, cfu/100ml	12	4	1329.00	587.00	2034.00	100.00	125.00	225.00	2900.00	6000.00
Hominy Creek: Downstream	OK121300-04-0280M	Inst. Q, cfs	16	0	12.14	3.44	13.75	0.00	2.11	5.85	17.01	42.02
Hominy Creek: Downstream	OK121300-04-0280M	NitrateNitrite, mg/l	16	0	0.77	0.39	1.57	0.01	0.13	0.31	0.49	6.47
Hominy Creek: Downstream	OK121300-04-0280M	pH	13	3	7.94	0.12	0.44	6.86	7.67	7.95	8.31	8.46
Hominy Creek: Downstream	OK121300-04-0280M	Sulfate, mg/l	16	0	33.71	2.85	11.41	8.60	25.93	33.60	40.65	58.40
Hominy Creek: Downstream	OK121300-04-0280M	Temp, C	16	0	16.30	2.26	9.04	4.70	6.30	16.80	24.63	29.90
Hominy Creek: Downstream	OK121300-04-0280M	TKN, mg/l	16	0	0.39	0.03	0.13	0.18	0.31	0.36	0.47	0.63
Hominy Creek: Downstream	OK121300-04-0280M	Total o-P, mg/l	15	1	0.15	0.08	0.33	0.00	0.01	0.04	0.08	1.27
Hominy Creek: Downstream	OK121300-04-0280M	Total-N, mg/l	16	0	1.16	0.41	1.63	0.30	0.47	0.70	1.00	7.06
Hominy Creek: Downstream	OK121300-04-0280M	Total-P, mg/l	16	0	0.21	0.08	0.32	0.02	0.05	0.11	0.17	1.33
Hominy Creek: Downstream	OK121300-04-0280M	TSS, mg/l	16	0	30.88	8.32	33.28	2.00	5.63	18.50	56.00	119.00
Hominy Creek: Downstream	OK121300-04-0280M	Turb, NTU	16	0	28.25	8.59	34.37	1.51	6.04	14.05	40.00	132.00
Hominy Creek: Upstream	OK121300-04-0280R	Alk, mg/l	14	1	154.30	11.90	44.50	91.00	122.50	136.50	187.30	243.00
Hominy Creek: Upstream	OK121300-04-0280R	Ammonia, mg/l	14	1	0.03	0.01	0.03	0.00	0.01	0.03	0.03	0.11
Hominy Creek: Upstream	OK121300-04-0280R	Available-N, mg/l	15	0	0.15	0.03	0.10	0.04	0.05	0.14	0.24	0.39
Hominy Creek: Upstream	OK121300-04-0280R	Chloride, mg/l	15	0	144.40	23.20	90.00	26.70	83.60	156.00	190.00	365.00
Hominy Creek: Upstream	OK121300-04-0280R	Cond, mS/cm	15	0	796.40	80.70	312.50	369.30	502.00	765.00	940.00	1551.00
Hominy Creek: Upstream	OK121300-04-0280R	DO, mg/l	15	0	9.51	0.82	3.17	5.86	7.08	8.20	11.96	15.72
Hominy Creek: Upstream	OK121300-04-0280R	DOpsat	15	0	96.95	5.13	19.86	65.28	83.11	95.73	115.87	129.10
Hominy Creek: Upstream	OK121300-04-0280R	Fecal col, cfu/100ml	15	0	664.00	456.00	1765.00	10.00	40.00	100.00	500.00	7000.00
Hominy Creek: Upstream	OK121300-04-0280R	Inst. Q, cfs	15	0	6.48	1.62	6.27	0.01	0.54	4.62	12.60	19.47
Hominy Creek: Upstream	OK121300-04-0280R	NitrateNitrite, mg/l	15	0	0.12	0.03	0.11	0.01	0.03	0.07	0.24	0.33
Hominy Creek: Upstream	OK121300-04-0280R	pH	14	1	7.85	0.11	0.41	7.02	7.58	7.82	8.31	8.47
Hominy Creek: Upstream	OK121300-04-0280R	Sulfate, mg/l	15	0	39.83	3.78	14.63	6.59	31.60	41.30	44.90	65.40
Hominy Creek: Upstream	OK121300-04-0280R	Temp, C	15	0	17.24	2.29	8.85	5.60	6.30	19.00	25.20	30.10
Hominy Creek: Upstream	OK121300-04-0280R	TKN, mg/l	15	0	0.29	0.03	0.11	0.11	0.23	0.27	0.35	0.56
Hominy Creek: Upstream	OK121300-04-0280R	Total o-P, mg/l	14	1	0.02	0.01	0.02	0.00	0.01	0.02	0.03	0.08
Hominy Creek: Upstream	OK121300-04-0280R	Total-N, mg/l	15	0	0.42	0.05	0.18	0.18	0.32	0.35	0.52	0.89
Hominy Creek: Upstream	OK121300-04-0280R	Total-P, mg/l	15	0	0.06	0.01	0.04	0.02	0.03	0.05	0.08	0.15
Hominy Creek: Upstream	OK121300-04-0280R	TSS, mg/l	15	0	18.13	4.80	18.61	1.00	2.00	6.00	38.00	48.00
Hominy Creek: Upstream	OK121300-04-0280R	Turb, NTU	15	0	22.12	7.53	29.18	1.49	5.24	8.23	25.00	91.20
Rabb Creek	OK121400-01-0090D	Alk, mg/l	16	1	102.06	7.99	31.98	60.00	85.50	93.00	117.50	191.00

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Rabb Creek	OK121400-01-0090D	Ammonia, mg/l	16	1	0.03	0.01	0.03	0.00	0.01	0.03	0.03	0.13
Rabb Creek	OK121400-01-0090D	Available-N, mg/l	17	0	0.22	0.08	0.33	0.03	0.05	0.12	0.29	1.40
Rabb Creek	OK121400-01-0090D	Chloride, mg/l	17	0	24.27	6.61	27.25	5.00	7.80	18.00	26.50	110.00
Rabb Creek	OK121400-01-0090D	Cond, mS/cm	17	0	334.40	36.30	149.70	146.50	190.70	318.90	416.50	665.00
Rabb Creek	OK121400-01-0090D	DO, mg/l	17	0	7.45	0.72	2.99	1.18	6.77	7.37	9.68	11.63
Rabb Creek	OK121400-01-0090D	DOpsat	17	0	80.50	7.20	29.71	11.73	69.65	86.46	100.51	125.38
Rabb Creek	OK121400-01-0090D	Fecal col, cfu/100ml	17	0	1511.00	691.00	2850.00	40.00	95.00	190.00	1865.00	9999.00
Rabb Creek	OK121400-01-0090D	Inst. Q, cfs	17	0	2.28	1.13	4.65	0.00	0.00	0.76	2.24	19.02
Rabb Creek	OK121400-01-0090D	NitrateNitrite, mg/l	17	0	0.20	0.08	0.33	0.00	0.03	0.06	0.26	1.40
Rabb Creek	OK121400-01-0090D	pH	12	5	7.33	0.16	0.57	5.91	7.14	7.31	7.81	8.05
Rabb Creek	OK121400-01-0090D	Sulfate, mg/l	17	0	42.48	5.16	21.29	9.20	21.45	40.00	64.55	73.10
Rabb Creek	OK121400-01-0090D	Temp, C	17	0	19.16	2.01	8.29	7.00	11.80	20.50	24.75	33.90
Rabb Creek	OK121400-01-0090D	TKN, mg/l	17	0	0.59	0.10	0.42	0.17	0.34	0.43	0.70	1.84
Rabb Creek	OK121400-01-0090D	Total o-P, mg/l	16	1	0.02	0.01	0.03	0.00	0.00	0.02	0.03	0.09
Rabb Creek	OK121400-01-0090D	Total-N, mg/l	17	0	0.79	0.14	0.57	0.20	0.40	0.54	1.10	2.06
Rabb Creek	OK121400-01-0090D	Total-P, mg/l	17	0	0.10	0.01	0.05	0.03	0.06	0.09	0.13	0.23
Rabb Creek	OK121400-01-0090D	TSS, mg/l	16	1	38.00	11.50	45.90	2.00	12.10	23.00	36.30	152.00
Rabb Creek	OK121400-01-0090D	Turb, NTU	17	0	51.60	15.40	63.50	10.00	14.90	29.80	64.10	239.00
Hogshooter Creek	OK121400-01-0300J	Alk, mg/l	19	0	137.47	7.79	33.95	87.00	111.00	136.00	149.00	231.00
Hogshooter Creek	OK121400-01-0300J	Ammonia, mg/l	18	1	0.02	0.01	0.03	0.00	0.00	0.01	0.03	0.11
Hogshooter Creek	OK121400-01-0300J	Available-N, mg/l	19	0	0.21	0.08	0.36	0.00	0.02	0.05	0.14	1.17
Hogshooter Creek	OK121400-01-0300J	Chloride, mg/l	19	0	18.01	1.67	7.26	2.50	14.50	17.00	22.00	35.30
Hogshooter Creek	OK121400-01-0300J	Cond, mS/cm	19	0	430.10	22.60	98.60	266.40	356.40	405.10	494.00	657.00
Hogshooter Creek	OK121400-01-0300J	DO, mg/l	19	0	10.42	0.65	2.84	5.01	8.44	11.05	12.97	14.98
Hogshooter Creek	OK121400-01-0300J	DOpsat	19	0	108.19	6.06	26.43	63.42	94.09	103.84	120.64	166.05
Hogshooter Creek	OK121400-01-0300J	Fecal col, cfu/100ml	18	1	416.00	231.00	981.00	10.00	27.50	100.00	225.00	4100.00
Hogshooter Creek	OK121400-01-0300J	Inst. Q, cfs	19	0	3.69	1.44	6.28	0.00	0.18	1.41	2.99	20.24
Hogshooter Creek	OK121400-01-0300J	NitrateNitrite, mg/l	19	0	0.19	0.08	0.35	0.00	0.01	0.03	0.06	1.16
Hogshooter Creek	OK121400-01-0300J	pH	13	6	7.91	0.12	0.44	7.29	7.56	7.95	8.15	8.72
Hogshooter Creek	OK121400-01-0300J	Sulfate, mg/l	19	0	57.12	9.87	43.00	4.65	28.40	37.10	87.10	174.00
Hogshooter Creek	OK121400-01-0300J	Temp, C	19	0	17.68	2.03	8.84	0.70	10.30	19.40	24.70	33.80
Hogshooter Creek	OK121400-01-0300J	TKN, mg/l	19	0	0.22	0.05	0.21	0.03	0.05	0.20	0.31	0.89
Hogshooter Creek	OK121400-01-0300J	Total o-P, mg/l	18	1	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Hogshooter Creek	OK121400-01-0300J	Total-N, mg/l	19	0	0.41	0.10	0.44	0.05	0.08	0.23	0.48	1.50
Hogshooter Creek	OK121400-01-0300J	Total-P, mg/l	19	0	0.02	0.00	0.02	0.01	0.01	0.02	0.03	0.07
Hogshooter Creek	OK121400-01-0300J	TSS, mg/l	18	1	3.31	0.59	2.52	1.00	1.00	2.50	4.88	10.00
Hogshooter Creek	OK121400-01-0300J	Turb, NTU	19	0	4.74	1.16	5.08	1.11	1.47	2.22	8.03	18.50
North Buck Creek	OK121400-03-0210R	Alk, mg/l	18	0	157.72	9.58	40.66	99.00	123.25	150.00	186.25	241.00
North Buck Creek	OK121400-03-0210R	Ammonia, mg/l	16	2	0.02	0.01	0.04	0.00	0.00	0.00	0.03	0.14
North Buck Creek	OK121400-03-0210R	Available-N, mg/l	18	0	0.14	0.07	0.31	0.00	0.01	0.05	0.14	1.34
North Buck Creek	OK121400-03-0210R	Chloride, mg/l	18	0	19.19	7.48	31.73	2.50	2.50	5.00	17.50	105.00
North Buck Creek	OK121400-03-0210R	Cond, mS/cm	18	0	401.60	27.50	116.50	206.70	318.10	403.70	466.80	740.00
North Buck Creek	OK121400-03-0210R	DO, mg/l	18	0	9.15	0.52	2.20	6.03	7.53	8.41	10.73	13.95
North Buck Creek	OK121400-03-0210R	DOpsat	18	0	94.92	3.17	13.47	72.84	84.27	94.22	101.88	132.15
North Buck Creek	OK121400-03-0210R	Fecal col, cfu/100ml	18	0	1172.00	652.00	2766.00	10.00	27.50	100.00	200.00	10500.00
North Buck Creek	OK121400-03-0210R	Inst. Q, cfs	18	0	7.93	2.47	10.48	0.00	0.67	3.69	12.65	41.45
North Buck Creek	OK121400-03-0210R	NitrateNitrite, mg/l	18	0	0.12	0.07	0.30	0.00	0.01	0.03	0.11	1.31
North Buck Creek	OK121400-03-0210R	pH	13	5	7.95	0.13	0.46	6.97	7.63	8.09	8.39	8.41
North Buck Creek	OK121400-03-0210R	Sulfate, mg/l	18	0	24.83	3.83	16.23	0.46	15.00	20.85	28.35	60.30
North Buck Creek	OK121400-03-0210R	Temp, C	18	0	17.40	2.13	9.04	1.20	7.68	19.10	25.00	30.60
North Buck Creek	OK121400-03-0210R	TKN, mg/l	18	0	0.23	0.04	0.16	0.03	0.06	0.22	0.33	0.58

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
North Buck Creek	OK121400-03-0210R	Total o-P, mg/l	17	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
North Buck Creek	OK121400-03-0210R	Total-N, mg/l	18	0	0.35	0.08	0.36	0.05	0.20	0.25	0.45	1.63
North Buck Creek	OK121400-03-0210R	Total-P, mg/l	18	0	0.03	0.01	0.03	0.01	0.02	0.02	0.04	0.11
North Buck Creek	OK121400-03-0210R	TSS, mg/l	18	0	10.67	3.46	14.68	1.00	2.00	5.00	12.25	56.50
North Buck Creek	OK121400-03-0210R	Turb, NTU	18	0	12.56	3.06	12.99	1.90	6.80	8.35	12.55	57.90
Sand Creek	OK121400-04-0010T	Alk, mg/l	20	0	151.70	8.21	36.74	95.00	125.00	148.00	171.75	250.00
Sand Creek	OK121400-04-0010T	Ammonia, mg/l	19	1	0.03	0.01	0.03	0.00	0.00	0.03	0.03	0.15
Sand Creek	OK121400-04-0010T	Available-N, mg/l	20	0	0.14	0.04	0.20	0.00	0.01	0.05	0.20	0.66
Sand Creek	OK121400-04-0010T	Chloride, mg/l	20	0	8.76	1.71	7.63	2.50	2.50	6.00	11.50	32.00
Sand Creek	OK121400-04-0010T	Cond, mS/cm	20	0	371.40	19.70	88.00	243.20	297.30	360.50	429.30	561.00
Sand Creek	OK121400-04-0010T	DO, mg/l	20	0	8.30	0.66	2.95	0.95	6.16	8.58	11.06	12.73
Sand Creek	OK121400-04-0010T	DOpsat	20	0	81.62	5.50	24.60	10.43	65.42	88.34	96.72	114.45
Sand Creek	OK121400-04-0010T	Fecal col, cfu/100ml	20	0	1210.00	627.00	2803.00	10.00	100.00	170.00	400.00	11000.00
Sand Creek	OK121400-04-0010T	Inst. Q, cfs	19	1	3.69	1.22	5.33	0.00	0.35	1.87	5.16	21.91
Sand Creek	OK121400-04-0010T	NitrateNitrite, mg/l	20	0	0.11	0.04	0.19	0.00	0.00	0.03	0.14	0.63
Sand Creek	OK121400-04-0010T	pH	14	6	7.74	0.10	0.36	6.90	7.52	7.78	8.03	8.26
Sand Creek	OK121400-04-0010T	Sulfate, mg/l	20	0	24.21	3.73	16.68	1.00	14.45	21.50	31.03	80.40
Sand Creek	OK121400-04-0010T	Temp, C	20	0	14.86	1.96	8.77	0.20	6.38	16.55	21.65	28.50
Sand Creek	OK121400-04-0010T	TKN, mg/l	20	0	0.30	0.04	0.19	0.00	0.17	0.30	0.43	0.65
Sand Creek	OK121400-04-0010T	Total o-P, mg/l	19	1	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.04
Sand Creek	OK121400-04-0010T	Total-N, mg/l	20	0	0.41	0.07	0.32	0.00	0.23	0.32	0.66	1.21
Sand Creek	OK121400-04-0010T	Total-P, mg/l	20	0	0.05	0.00	0.02	0.02	0.03	0.05	0.06	0.09
Sand Creek	OK121400-04-0010T	TSS, mg/l	20	0	11.15	2.34	10.48	1.00	5.50	7.00	16.75	40.00
Sand Creek	OK121400-04-0010T	Turb, NTU	20	0	18.52	3.20	14.29	3.45	6.82	13.10	27.03	50.90
Buck Creek	OK121400-04-0050C	Alk, mg/l	18	2	97.44	7.89	33.48	34.00	75.00	90.00	128.00	160.00
Buck Creek	OK121400-04-0050C	Ammonia, mg/l	18	2	0.03	0.01	0.03	0.00	0.00	0.03	0.03	0.11
Buck Creek	OK121400-04-0050C	Available-N, mg/l	19	1	0.16	0.03	0.13	0.00	0.05	0.14	0.24	0.46
Buck Creek	OK121400-04-0050C	Chloride, mg/l	20	0	54.03	8.86	39.62	8.00	29.78	44.90	70.63	175.00
Buck Creek	OK121400-04-0050C	Cond, mS/cm	19	1	383.10	32.00	139.70	205.30	276.00	368.00	480.00	707.00
Buck Creek	OK121400-04-0050C	DO, mg/l	19	1	8.84	0.52	2.28	5.11	6.75	9.10	10.90	12.63
Buck Creek	OK121400-04-0050C	DOpsat	19	1	88.22	2.90	12.63	68.35	75.03	90.49	94.71	116.28
Buck Creek	OK121400-04-0050C	Fecal col, cfu/100ml	19	1	767.00	306.00	1332.00	10.00	50.00	100.00	500.00	3800.00
Buck Creek	OK121400-04-0050C	Inst. Q, cfs	20	0	5.98	1.98	8.86	0.00	0.50	1.81	8.20	34.26
Buck Creek	OK121400-04-0050C	NitrateNitrite, mg/l	20	0	0.13	0.03	0.12	0.00	0.03	0.13	0.20	0.41
Buck Creek	OK121400-04-0050C	pH	14	6	7.74	0.08	0.30	7.25	7.43	7.78	7.92	8.29
Buck Creek	OK121400-04-0050C	Sulfate, mg/l	20	0	34.23	3.77	16.87	0.37	24.33	33.85	43.53	78.50
Buck Creek	OK121400-04-0050C	Temp, C	19	1	16.17	2.04	8.91	1.30	6.90	18.20	23.30	29.70
Buck Creek	OK121400-04-0050C	TKN, mg/l	20	0	0.41	0.05	0.20	0.02	0.24	0.44	0.49	0.99
Buck Creek	OK121400-04-0050C	Total o-P, mg/l	18	2	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.04
Buck Creek	OK121400-04-0050C	Total-N, mg/l	19	1	0.57	0.05	0.22	0.25	0.39	0.57	0.66	1.09
Buck Creek	OK121400-04-0050C	Total-P, mg/l	20	0	0.05	0.01	0.03	0.01	0.03	0.04	0.06	0.11
Buck Creek	OK121400-04-0050C	TSS, mg/l	19	1	15.83	3.69	16.08	2.00	6.00	11.00	22.00	70.30
Buck Creek	OK121400-04-0050C	Turb, NTU	19	1	20.10	5.51	24.04	3.62	5.71	10.30	20.80	97.40
Lightning Creek	OK121510-01-0130M	Alk, mg/l	17	2	202.80	14.60	60.30	120.00	168.00	194.00	225.00	395.00
Lightning Creek	OK121510-01-0130M	Ammonia, mg/l	18	1	0.03	0.00	0.02	0.00	0.01	0.03	0.03	0.08
Lightning Creek	OK121510-01-0130M	Available-N, mg/l	19	0	0.16	0.04	0.17	0.00	0.05	0.10	0.23	0.65
Lightning Creek	OK121510-01-0130M	Chloride, mg/l	19	0	5.34	0.57	2.50	2.50	2.50	6.00	7.00	10.00
Lightning Creek	OK121510-01-0130M	Cond, mS/cm	19	0	2581.00	193.00	840.00	3.37	2062.00	2810.00	3195.00	3498.00
Lightning Creek	OK121510-01-0130M	DO, mg/l	19	0	9.50	0.60	2.61	5.71	6.52	10.70	11.58	13.60
Lightning Creek	OK121510-01-0130M	DOpsat	19	0	93.57	4.47	19.47	61.32	78.19	93.11	103.95	138.61
Lightning Creek	OK121510-01-0130M	Fecal col, cfu/100ml	18	1	901.00	578.00	2453.00	10.00	100.00	100.00	503.00	10500.00

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Lightning Creek	OK121510-01-0130M	Inst. Q, cfs	18	1	13.51	3.29	13.97	1.03	1.61	10.15	19.41	48.67
Lightning Creek	OK121510-01-0130M	NitrateNitrite, mg/l	19	0	0.14	0.04	0.16	0.00	0.03	0.08	0.21	0.60
Lightning Creek	OK121510-01-0130M	pH	17	2	7.96	0.04	0.17	7.57	7.87	7.98	8.06	8.20
Lightning Creek	OK121510-01-0130M	Sulfate, mg/l	19	0	1839.30	90.90	396.00	1239.00	1596.00	1798.00	2040.00	2660.00
Lightning Creek	OK121510-01-0130M	Temp, C	19	0	15.35	1.89	8.25	1.60	7.60	18.00	23.80	27.30
Lightning Creek	OK121510-01-0130M	TKN, mg/l	19	0	0.24	0.03	0.13	0.03	0.17	0.22	0.32	0.64
Lightning Creek	OK121510-01-0130M	Total o-P, mg/l	18	1	0.02	0.00	0.02	0.00	0.01	0.01	0.02	0.07
Lightning Creek	OK121510-01-0130M	Total-N, mg/l	19	0	0.37	0.05	0.20	0.15	0.25	0.30	0.39	0.94
Lightning Creek	OK121510-01-0130M	Total-P, mg/l	19	0	0.04	0.01	0.02	0.01	0.03	0.04	0.06	0.09
Lightning Creek	OK121510-01-0130M	TSS, mg/l	19	0	12.61	2.48	10.79	1.00	8.00	9.50	16.00	48.00
Lightning Creek	OK121510-01-0130M	Turb, NTU	18	1	5.11	0.57	2.43	2.21	3.01	4.47	7.02	10.80
California Creek	OK121510-02-0050C	Alk, mg/l	17	1	105.46	9.52	39.25	15.90	78.00	124.00	131.00	164.00
California Creek	OK121510-02-0050C	Ammonia, mg/l	17	1	0.03	0.01	0.03	0.00	0.02	0.03	0.03	0.14
California Creek	OK121510-02-0050C	Available-N, mg/l	18	0	0.27	0.11	0.45	0.03	0.05	0.10	0.21	1.80
California Creek	OK121510-02-0050C	Chloride, mg/l	18	0	43.71	5.31	22.51	16.90	24.78	37.80	60.18	93.00
California Creek	OK121510-02-0050C	Cond, mS/cm	18	0	467.90	25.70	109.00	239.00	389.30	475.50	517.80	668.00
California Creek	OK121510-02-0050C	DO, mg/l	18	0	8.25	0.74	3.15	3.70	5.62	7.14	10.53	15.53
California Creek	OK121510-02-0050C	DOpsat	18	0	80.54	4.86	20.61	41.84	66.98	80.50	89.60	122.86
California Creek	OK121510-02-0050C	Fecal col, cfu/100ml	17	1	660.00	404.00	1667.00	10.00	50.00	100.00	250.00	6600.00
California Creek	OK121510-02-0050C	Inst. Q, cfs	16	2	2.51	0.88	3.51	0.00	0.02	0.42	5.29	11.00
California Creek	OK121510-02-0050C	NitrateNitrite, mg/l	18	0	0.24	0.10	0.42	0.01	0.03	0.08	0.19	1.66
California Creek	OK121510-02-0050C	pH	14	4	7.65	0.14	0.54	6.06	7.49	7.75	7.92	8.31
California Creek	OK121510-02-0050C	Sulfate, mg/l	18	0	40.91	4.64	19.68	13.40	30.45	35.50	49.30	97.40
California Creek	OK121510-02-0050C	Temp, C	18	0	15.78	2.10	8.90	0.80	6.93	16.00	25.28	27.20
California Creek	OK121510-02-0050C	TKN, mg/l	18	0	0.48	0.05	0.22	0.19	0.33	0.48	0.61	0.98
California Creek	OK121510-02-0050C	Total o-P, mg/l	17	1	0.02	0.01	0.02	0.00	0.00	0.01	0.02	0.09
California Creek	OK121510-02-0050C	Total-N, mg/l	18	0	0.72	0.14	0.59	0.26	0.39	0.60	0.64	2.64
California Creek	OK121510-02-0050C	Total-P, mg/l	18	0	0.08	0.02	0.08	0.02	0.05	0.06	0.08	0.38
California Creek	OK121510-02-0050C	TSS, mg/l	18	0	25.72	7.93	33.65	1.00	11.13	15.25	24.50	152.00
California Creek	OK121510-02-0050C	Turb, NTU	18	0	27.40	11.40	48.50	7.06	11.90	15.10	22.50	220.00
Snow Creek	OK121510-02-0250F	Alk, mg/l	16	2	152.93	9.30	37.20	53.00	133.25	161.00	179.73	205.00
Snow Creek	OK121510-02-0250F	Ammonia, mg/l	17	1	0.02	0.00	0.02	0.00	0.01	0.03	0.03	0.07
Snow Creek	OK121510-02-0250F	Available-N, mg/l	18	0	0.20	0.08	0.32	0.02	0.04	0.05	0.16	1.06
Snow Creek	OK121510-02-0250F	Chloride, mg/l	18	0	4.99	0.55	2.35	2.50	2.50	5.35	7.00	10.00
Snow Creek	OK121510-02-0250F	Cond, mS/cm	18	0	345.20	18.30	77.50	160.80	293.00	360.00	403.60	486.00
Snow Creek	OK121510-02-0250F	DO, mg/l	18	0	9.76	0.65	2.78	5.66	7.56	9.14	12.47	13.75
Snow Creek	OK121510-02-0250F	DOpsat	18	0	99.30	5.62	23.84	55.61	89.11	101.77	112.31	155.61
Snow Creek	OK121510-02-0250F	Fecal col, cfu/100ml	16	2	189.00	101.00	406.00	10.00	55.00	100.00	108.00	1700.00
Snow Creek	OK121510-02-0250F	Inst. Q, cfs	15	3	6.81	3.18	12.33	0.00	0.00	0.92	11.78	46.56
Snow Creek	OK121510-02-0250F	NitrateNitrite, mg/l	18	0	0.17	0.08	0.32	0.00	0.02	0.03	0.13	1.03
Snow Creek	OK121510-02-0250F	pH	17	1	8.11	0.07	0.29	7.70	7.87	8.14	8.31	8.81
Snow Creek	OK121510-02-0250F	Sulfate, mg/l	18	0	17.06	1.92	8.14	6.50	8.64	17.00	21.43	33.00
Snow Creek	OK121510-02-0250F	Temp, C	18	0	16.57	2.28	9.66	2.30	6.20	16.70	26.33	30.70
Snow Creek	OK121510-02-0250F	TKN, mg/l	18	0	0.40	0.04	0.15	0.08	0.33	0.39	0.51	0.64
Snow Creek	OK121510-02-0250F	Total o-P, mg/l	17	1	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.03
Snow Creek	OK121510-02-0250F	Total-N, mg/l	18	0	0.57	0.08	0.35	0.11	0.37	0.49	0.67	1.40
Snow Creek	OK121510-02-0250F	Total-P, mg/l	18	0	0.05	0.01	0.02	0.02	0.03	0.05	0.07	0.10
Snow Creek	OK121510-02-0250F	TSS, mg/l	18	0	10.83	2.26	9.58	1.00	3.25	9.50	15.25	35.00
Snow Creek	OK121510-02-0250F	Turb, NTU	18	0	7.77	1.00	4.24	2.14	4.67	7.01	10.93	15.50
Big Creek	OK121510-03-0010G	Alk, mg/l	15	1	158.90	13.80	53.30	1.45	152.00	178.00	193.00	212.00
Big Creek	OK121510-03-0010G	Ammonia, mg/l	15	1	0.02	0.00	0.02	0.00	0.01	0.03	0.03	0.07

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Big Creek	OK121510-03-0010G	Available-N, mg/l	16	0	0.13	0.07	0.27	0.03	0.03	0.05	0.09	1.15
Big Creek	OK121510-03-0010G	Chloride, mg/l	16	0	5.43	0.76	3.03	2.50	2.50	5.00	7.15	12.00
Big Creek	OK121510-03-0010G	Cond, mS/cm	16	0	359.00	22.30	89.10	205.10	293.10	364.50	428.00	512.00
Big Creek	OK121510-03-0010G	DO, mg/l	16	0	9.28	0.79	3.16	3.43	7.13	8.65	12.39	14.71
Big Creek	OK121510-03-0010G	DOpsat	16	0	96.47	6.33	25.31	39.54	75.64	102.49	110.43	150.16
Big Creek	OK121510-03-0010G	Fecal col, cfu/100ml	14	2	1138.00	932.00	3487.00	10.00	57.50	100.00	225.00	13200.00
Big Creek	OK121510-03-0010G	Inst. Q, cfs	15	1	11.92	4.58	17.76	0.00	0.03	5.18	15.19	64.45
Big Creek	OK121510-03-0010G	NitrateNitrite, mg/l	16	0	0.11	0.07	0.27	0.00	0.03	0.03	0.06	1.12
Big Creek	OK121510-03-0010G	pH	15	1	8.04	0.07	0.27	7.39	7.81	8.10	8.24	8.42
Big Creek	OK121510-03-0010G	Sulfate, mg/l	16	0	19.50	1.71	6.85	6.42	14.15	21.50	22.73	32.60
Big Creek	OK121510-03-0010G	Temp, C	16	0	18.08	2.24	8.97	6.00	8.70	18.40	26.53	33.50
Big Creek	OK121510-03-0010G	TKN, mg/l	16	0	0.34	0.04	0.14	0.03	0.24	0.35	0.45	0.54
Big Creek	OK121510-03-0010G	Total o-P, mg/l	15	1	0.02	0.01	0.02	0.00	0.00	0.01	0.02	0.06
Big Creek	OK121510-03-0010G	Total-N, mg/l	16	0	0.45	0.08	0.31	0.05	0.30	0.40	0.54	1.46
Big Creek	OK121510-03-0010G	Total-P, mg/l	16	0	0.05	0.01	0.02	0.01	0.03	0.04	0.06	0.09
Big Creek	OK121510-03-0010G	TSS, mg/l	16	0	10.13	1.93	7.72	1.00	4.13	8.00	14.75	26.10
Big Creek	OK121510-03-0010G	Turb, NTU	16	0	7.35	0.94	3.76	3.16	4.01	7.30	9.22	16.00
Fourteenmile Creek	OK121600-01-0100C	Alk, mg/l	18	0	65.17	4.07	17.27	48.00	51.00	56.50	81.00	102.00
Fourteenmile Creek	OK121600-01-0100C	Ammonia, mg/l	17	1	0.02	0.00	0.02	0.00	0.00	0.03	0.03	0.08
Fourteenmile Creek	OK121600-01-0100C	Available-N, mg/l	18	0	0.49	0.08	0.32	0.11	0.19	0.48	0.69	1.16
Fourteenmile Creek	OK121600-01-0100C	Chloride, mg/l	18	0	4.72	0.63	2.66	2.50	2.50	4.25	6.00	12.00
Fourteenmile Creek	OK121600-01-0100C	Cond, mS/cm	18	0	155.68	5.43	23.05	102.30	139.83	160.15	170.33	193.00
Fourteenmile Creek	OK121600-01-0100C	DO, mg/l	18	0	10.02	0.54	2.30	6.71	7.76	9.94	12.18	14.04
Fourteenmile Creek	OK121600-01-0100C	DOpsat	18	0	101.58	3.17	13.45	82.20	89.79	101.88	111.49	127.64
Fourteenmile Creek	OK121600-01-0100C	Fecal col, cfu/100ml	18	0	90.00	25.80	109.30	10.00	32.50	100.00	100.00	500.00
Fourteenmile Creek	OK121600-01-0100C	Inst. Q, cfs	17	1	37.72	7.61	31.36	4.26	8.32	20.62	63.85	90.95
Fourteenmile Creek	OK121600-01-0100C	NitrateNitrite, mg/l	18	0	0.47	0.08	0.32	0.10	0.18	0.46	0.68	1.13
Fourteenmile Creek	OK121600-01-0100C	pH	14	4	7.90	0.11	0.39	7.23	7.60	7.85	8.33	8.51
Fourteenmile Creek	OK121600-01-0100C	Sulfate, mg/l	18	0	7.17	0.82	3.49	1.00	5.23	7.40	9.08	14.80
Fourteenmile Creek	OK121600-01-0100C	Temp, C	18	0	16.66	1.78	7.57	5.40	9.20	17.00	23.00	27.80
Fourteenmile Creek	OK121600-01-0100C	TKN, mg/l	18	0	0.15	0.03	0.13	0.05	0.07	0.10	0.20	0.59
Fourteenmile Creek	OK121600-01-0100C	Total o-P, mg/l	17	1	0.02	0.00	0.01	0.01	0.01	0.02	0.03	0.03
Fourteenmile Creek	OK121600-01-0100C	Total-N, mg/l	18	0	0.62	0.08	0.34	0.18	0.32	0.55	0.90	1.26
Fourteenmile Creek	OK121600-01-0100C	Total-P, mg/l	18	0	0.04	0.00	0.02	0.02	0.02	0.03	0.04	0.07
Fourteenmile Creek	OK121600-01-0100C	TSS, mg/l	18	0	2.88	1.14	4.84	1.00	1.00	2.00	2.50	22.00
Fourteenmile Creek	OK121600-01-0100C	Turb, NTU	18	0	2.90	0.37	1.56	1.22	1.79	2.48	3.47	7.16
Chouteau Creek	OK121600-01-0430M	Alk, mg/l	15	2	71.80	13.40	51.70	22.00	32.00	53.00	113.00	206.00
Chouteau Creek	OK121600-01-0430M	Ammonia, mg/l	16	1	0.23	0.10	0.41	0.01	0.03	0.07	0.28	1.68
Chouteau Creek	OK121600-01-0430M	Available-N, mg/l	17	0	0.68	0.16	0.64	0.03	0.20	0.43	1.05	2.12
Chouteau Creek	OK121600-01-0430M	Chloride, mg/l	17	0	9.75	2.25	9.26	2.50	2.50	6.00	11.50	30.00
Chouteau Creek	OK121600-01-0430M	Cond, mS/cm	17	0	260.80	21.90	90.30	167.50	184.00	230.00	304.80	473.90
Chouteau Creek	OK121600-01-0430M	DO, mg/l	17	0	7.43	0.91	3.74	0.54	4.37	8.56	10.69	12.50
Chouteau Creek	OK121600-01-0430M	DOpsat	17	0	71.05	7.85	32.36	5.84	55.04	77.28	91.61	136.48
Chouteau Creek	OK121600-01-0430M	Fecal col, cfu/100ml	17	0	3226.00	1746.00	7200.00	70.00	100.00	700.00	1250.00	28400.00
Chouteau Creek	OK121600-01-0430M	Inst. Q, cfs	11	6	5.76	3.45	11.45	0.00	0.00	0.17	6.28	35.11
Chouteau Creek	OK121600-01-0430M	NitrateNitrite, mg/l	17	0	0.46	0.11	0.46	0.03	0.06	0.35	0.67	1.48
Chouteau Creek	OK121600-01-0430M	pH	14	3	7.48	0.10	0.38	6.96	7.31	7.41	7.63	8.47
Chouteau Creek	OK121600-01-0430M	Sulfate, mg/l	17	0	44.69	5.79	23.88	6.00	25.25	56.40	65.80	75.20
Chouteau Creek	OK121600-01-0430M	Temp, C	17	0	15.06	2.23	9.21	0.10	6.75	17.90	24.55	28.40
Chouteau Creek	OK121600-01-0430M	TKN, mg/l	17	0	1.35	0.33	1.36	0.17	0.70	0.99	1.27	6.09
Chouteau Creek	OK121600-01-0430M	Total o-P, mg/l	16	1	0.03	0.01	0.03	0.00	0.01	0.02	0.04	0.11

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Chouteau Creek	OK121600-01-0430M	Total-N, mg/l	17	0	1.81	0.40	1.66	0.43	0.82	1.28	2.22	7.46
Chouteau Creek	OK121600-01-0430M	Total-P, mg/l	17	0	0.13	0.03	0.11	0.01	0.07	0.11	0.16	0.51
Chouteau Creek	OK121600-01-0430M	TSS, mg/l	17	0	32.12	7.09	29.22	2.00	18.00	20.50	36.50	126.00
Chouteau Creek	OK121600-01-0430M	Turb, NTU	17	0	39.61	7.54	31.09	5.23	21.10	25.90	46.60	112.00
Saline Creek	OK121600-02-0030D	Alk, mg/l	19	1	86.74	4.01	17.47	58.00	74.00	88.00	102.00	112.00
Saline Creek	OK121600-02-0030D	Ammonia, mg/l	19	1	0.02	0.00	0.02	0.00	0.00	0.02	0.03	0.08
Saline Creek	OK121600-02-0030D	Available-N, mg/l	20	0	0.54	0.05	0.22	0.31	0.39	0.45	0.62	1.19
Saline Creek	OK121600-02-0030D	Chloride, mg/l	20	0	5.41	0.63	2.80	2.50	2.50	5.30	7.75	11.00
Saline Creek	OK121600-02-0030D	Cond, mS/cm	20	0	184.60	12.00	53.70	2.18	170.30	201.90	217.30	238.00
Saline Creek	OK121600-02-0030D	DO, mg/l	20	0	9.96	0.28	1.27	8.08	9.00	9.98	11.18	11.99
Saline Creek	OK121600-02-0030D	DOpsat	20	0	100.95	1.79	7.99	91.29	93.80	99.99	106.05	120.54
Saline Creek	OK121600-02-0030D	Fecal col, cfu/100ml	18	2	79.40	10.70	45.40	10.00	40.00	100.00	100.00	200.00
Saline Creek	OK121600-02-0030D	Inst. Q, cfs	20	0	50.00	6.38	28.54	12.12	24.38	43.52	71.17	112.14
Saline Creek	OK121600-02-0030D	NitrateNitrite, mg/l	20	0	0.52	0.05	0.21	0.31	0.38	0.43	0.60	1.16
Saline Creek	OK121600-02-0030D	pH	18	2	7.82	0.07	0.31	6.88	7.71	7.86	8.04	8.18
Saline Creek	OK121600-02-0030D	Sulfate, mg/l	20	0	5.19	0.46	2.06	1.00	2.70	5.94	6.39	8.40
Saline Creek	OK121600-02-0030D	Temp, C	20	0	15.78	1.22	5.48	7.70	10.13	17.05	20.30	25.80
Saline Creek	OK121600-02-0030D	TKN, mg/l	20	0	0.09	0.02	0.07	0.03	0.04	0.07	0.11	0.31
Saline Creek	OK121600-02-0030D	Total o-P, mg/l	19	1	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01
Saline Creek	OK121600-02-0030D	Total-N, mg/l	20	0	0.61	0.05	0.22	0.34	0.48	0.51	0.72	1.27
Saline Creek	OK121600-02-0030D	Total-P, mg/l	20	0	0.02	0.00	0.01	0.01	0.01	0.02	0.02	0.05
Saline Creek	OK121600-02-0030D	TSS, mg/l	20	0	1.60	0.29	1.30	1.00	1.00	1.00	1.50	6.00
Saline Creek	OK121600-02-0030D	Turb, NTU	20	0	1.49	0.20	0.89	0.56	0.89	1.26	2.12	4.32
Drowning Creek	OK121600-03-0090G	Alk, mg/l	17	0	106.94	5.29	21.80	67.00	93.50	107.00	119.00	149.00
Drowning Creek	OK121600-03-0090G	Ammonia, mg/l	17	0	0.02	0.00	0.01	0.00	0.00	0.02	0.03	0.05
Drowning Creek	OK121600-03-0090G	Available-N, mg/l	17	0	1.82	0.25	1.03	0.08	1.14	1.50	2.57	3.81
Drowning Creek	OK121600-03-0090G	Chloride, mg/l	17	0	15.78	1.60	6.60	5.80	9.65	14.00	21.85	26.50
Drowning Creek	OK121600-03-0090G	Cond, mS/cm	16	1	292.60	17.80	71.30	158.70	262.80	290.80	306.50	412.00
Drowning Creek	OK121600-03-0090G	DO, mg/l	16	1	8.25	0.40	1.59	4.26	7.22	8.78	9.29	10.25
Drowning Creek	OK121600-03-0090G	DOpsat	16	1	82.70	3.70	14.79	36.14	76.90	86.72	90.70	101.69
Drowning Creek	OK121600-03-0090G	Fecal col, cfu/100ml	16	1	248.00	121.00	485.00	10.00	32.50	100.00	255.00	2000.00
Drowning Creek	OK121600-03-0090G	Inst. Q, cfs	15	2	4.82	1.22	4.72	0.00	0.58	2.92	9.19	15.21
Drowning Creek	OK121600-03-0090G	NitrateNitrite, mg/l	17	0	1.80	0.25	1.03	0.08	1.12	1.47	2.54	3.81
Drowning Creek	OK121600-03-0090G	pH	15	2	7.63	0.08	0.29	7.15	7.45	7.61	7.72	8.38
Drowning Creek	OK121600-03-0090G	Sulfate, mg/l	17	0	9.05	0.27	1.10	7.00	7.95	9.40	10.02	10.70
Drowning Creek	OK121600-03-0090G	Temp, C	17	0	14.99	0.91	3.75	7.80	12.05	14.60	18.70	20.30
Drowning Creek	OK121600-03-0090G	TKN, mg/l	17	0	0.16	0.03	0.12	0.03	0.06	0.11	0.23	0.46
Drowning Creek	OK121600-03-0090G	Total o-P, mg/l	17	0	0.04	0.00	0.02	0.01	0.03	0.05	0.05	0.06
Drowning Creek	OK121600-03-0090G	Total-N, mg/l	17	0	1.96	0.24	0.98	0.54	1.35	1.57	2.60	3.84
Drowning Creek	OK121600-03-0090G	Total-P, mg/l	17	0	0.06	0.00	0.02	0.03	0.05	0.06	0.07	0.09
Drowning Creek	OK121600-03-0090G	TSS, mg/l	17	0	3.62	1.63	6.74	1.00	1.00	1.00	3.00	28.00
Drowning Creek	OK121600-03-0090G	Turb, NTU	17	0	2.60	0.53	2.20	0.80	1.48	1.82	2.60	10.30
Horse Creek	OK121600-03-0160G	Alk, mg/l	16	1	97.38	8.53	34.13	39.00	82.00	90.50	103.75	187.00
Horse Creek	OK121600-03-0160G	Ammonia, mg/l	17	0	0.45	0.21	0.88	0.00	0.02	0.06	0.37	2.99
Horse Creek	OK121600-03-0160G	Available-N, mg/l	17	0	1.16	0.30	1.25	0.05	0.21	0.56	1.85	4.21
Horse Creek	OK121600-03-0160G	Chloride, mg/l	17	0	30.03	6.60	27.20	2.50	10.35	23.00	52.00	85.00
Horse Creek	OK121600-03-0160G	Cond, mS/cm	17	0	376.60	39.30	161.90	150.00	259.60	332.00	475.50	695.00
Horse Creek	OK121600-03-0160G	DO, mg/l	17	0	9.24	1.01	4.17	0.99	6.24	10.04	12.10	17.14
Horse Creek	OK121600-03-0160G	DOpsat	17	0	93.00	9.99	41.18	10.78	61.01	88.38	119.66	163.85
Horse Creek	OK121600-03-0160G	Fecal col, cfu/100ml	17	0	3543.00	2456.00	10125.00	10.00	75.00	200.00	2000.00	42000.00
Horse Creek	OK121600-03-0160G	Inst. Q, cfs	17	0	1.05	0.41	1.71	0.00	0.07	0.24	1.81	6.14

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Horse Creek	OK121600-03-0160G	NitrateNitrite, mg/l	17	0	0.71	0.14	0.60	0.03	0.18	0.39	1.30	1.60
Horse Creek	OK121600-03-0160G	pH	14	3	8.17	0.21	0.79	7.16	7.52	8.06	8.80	9.78
Horse Creek	OK121600-03-0160G	Sulfate, mg/l	17	0	36.52	6.31	26.00	3.57	12.80	36.60	56.45	93.50
Horse Creek	OK121600-03-0160G	Temp, C	17	0	15.72	2.06	8.50	1.10	7.65	15.10	23.60	29.00
Horse Creek	OK121600-03-0160G	TKN, mg/l	17	0	1.55	0.30	1.25	0.05	0.82	1.17	1.86	4.60
Horse Creek	OK121600-03-0160G	Total o-P, mg/l	16	1	0.12	0.03	0.10	0.01	0.05	0.08	0.15	0.40
Horse Creek	OK121600-03-0160G	Total-N, mg/l	17	0	2.26	0.39	1.61	0.53	1.09	1.78	3.13	5.82
Horse Creek	OK121600-03-0160G	Total-P, mg/l	17	0	0.28	0.05	0.19	0.07	0.15	0.25	0.35	0.79
Horse Creek	OK121600-03-0160G	TSS, mg/l	17	0	20.41	3.53	14.57	1.00	7.50	18.50	33.00	48.00
Horse Creek	OK121600-03-0160G	Turb, NTU	16	1	21.31	7.33	29.33	4.61	6.81	14.15	22.28	127.00
Fly Creek	OK121600-03-0180D	Alk, mg/l	18	0	117.83	7.74	32.85	58.00	95.00	122.50	142.00	183.00
Fly Creek	OK121600-03-0180D	Ammonia, mg/l	18	0	0.02	0.01	0.03	0.00	0.00	0.02	0.03	0.12
Fly Creek	OK121600-03-0180D	Available-N, mg/l	18	0	0.65	0.16	0.68	0.04	0.19	0.34	1.00	2.37
Fly Creek	OK121600-03-0180D	Chloride, mg/l	18	0	8.04	0.85	3.61	2.50	6.08	8.90	10.00	17.00
Fly Creek	OK121600-03-0180D	Cond, mS/cm	18	0	294.90	12.30	52.10	191.20	262.30	291.10	347.80	371.00
Fly Creek	OK121600-03-0180D	DO, mg/l	18	0	10.39	0.63	2.68	5.25	8.58	10.06	12.89	14.29
Fly Creek	OK121600-03-0180D	DOpsat	18	0	103.42	4.88	20.69	51.41	92.76	107.61	119.14	131.02
Fly Creek	OK121600-03-0180D	Fecal col, cfu/100ml	18	0	272.80	99.50	422.20	20.00	92.50	130.00	200.00	1600.00
Fly Creek	OK121600-03-0180D	Inst. Q, cfs	18	0	1.12	0.29	1.22	0.01	0.22	0.74	1.95	4.48
Fly Creek	OK121600-03-0180D	NitrateNitrite, mg/l	18	0	0.62	0.16	0.67	0.03	0.17	0.34	0.97	2.34
Fly Creek	OK121600-03-0180D	pH	14	4	7.93	0.08	0.32	7.51	7.70	7.93	8.20	8.66
Fly Creek	OK121600-03-0180D	Sulfate, mg/l	18	0	12.74	1.44	6.11	3.45	8.95	12.45	17.28	23.80
Fly Creek	OK121600-03-0180D	Temp, C	18	0	15.23	1.73	7.36	1.50	8.58	15.10	20.75	26.00
Fly Creek	OK121600-03-0180D	TKN, mg/l	18	0	0.30	0.05	0.20	0.05	0.16	0.23	0.46	0.65
Fly Creek	OK121600-03-0180D	Total o-P, mg/l	18	0	0.02	0.00	0.02	0.00	0.01	0.02	0.04	0.05
Fly Creek	OK121600-03-0180D	Total-N, mg/l	18	0	0.92	0.19	0.79	0.25	0.36	0.60	1.20	2.79
Fly Creek	OK121600-03-0180D	Total-P, mg/l	18	0	0.07	0.02	0.08	0.01	0.03	0.04	0.08	0.37
Fly Creek	OK121600-03-0180D	TSS, mg/l	18	0	7.14	1.64	6.96	1.00	1.50	5.50	9.00	24.00
Fly Creek	OK121600-03-0180D	Turb, NTU	18	0	5.18	1.53	6.51	1.41	2.36	2.79	5.00	29.20
Little Horse Creek	OK121600-03-0190A	Alk, mg/l	16	0	111.06	7.32	29.27	58.00	92.00	116.00	132.00	155.00
Little Horse Creek	OK121600-03-0190A	Ammonia, mg/l	16	0	0.06	0.02	0.08	0.00	0.01	0.03	0.09	0.24
Little Horse Creek	OK121600-03-0190A	Available-N, mg/l	16	0	0.47	0.15	0.59	0.05	0.10	0.22	0.60	2.00
Little Horse Creek	OK121600-03-0190A	Chloride, mg/l	16	0	15.83	1.88	7.52	5.50	12.00	13.55	19.50	34.60
Little Horse Creek	OK121600-03-0190A	Cond, mS/cm	16	0	285.00	20.20	80.70	17.70	257.40	309.50	328.00	355.00
Little Horse Creek	OK121600-03-0190A	DO, mg/l	16	0	7.83	0.91	3.64	1.22	5.90	6.76	11.13	14.31
Little Horse Creek	OK121600-03-0190A	DOpsat	16	0	76.54	7.08	28.31	11.94	65.23	78.42	89.02	130.69
Little Horse Creek	OK121600-03-0190A	Fecal col, cfu/100ml	15	1	850.00	428.00	1659.00	20.00	100.00	200.00	300.00	6000.00
Little Horse Creek	OK121600-03-0190A	Inst. Q, cfs	15	1	1.78	0.76	2.93	0.00	0.00	0.12	2.95	9.65
Little Horse Creek	OK121600-03-0190A	NitrateNitrite, mg/l	16	0	0.41	0.14	0.56	0.03	0.07	0.13	0.43	1.84
Little Horse Creek	OK121600-03-0190A	pH	13	3	7.76	0.13	0.47	6.61	7.58	7.71	8.08	8.45
Little Horse Creek	OK121600-03-0190A	Sulfate, mg/l	16	0	17.41	3.75	14.99	1.05	3.21	14.90	30.90	44.90
Little Horse Creek	OK121600-03-0190A	Temp, C	16	0	15.59	1.94	7.77	0.40	9.73	16.05	23.00	26.80
Little Horse Creek	OK121600-03-0190A	TKN, mg/l	16	0	0.76	0.13	0.51	0.21	0.45	0.59	1.05	2.27
Little Horse Creek	OK121600-03-0190A	Total o-P, mg/l	16	0	0.10	0.04	0.14	0.01	0.02	0.06	0.13	0.55
Little Horse Creek	OK121600-03-0190A	Total-N, mg/l	16	0	1.17	0.22	0.89	0.33	0.55	0.87	1.28	3.14
Little Horse Creek	OK121600-03-0190A	Total-P, mg/l	16	0	0.19	0.05	0.18	0.04	0.06	0.15	0.24	0.71
Little Horse Creek	OK121600-03-0190A	TSS, mg/l	16	0	12.09	2.67	10.66	1.00	3.88	8.75	16.75	40.00
Little Horse Creek	OK121600-03-0190A	Turb, NTU	16	0	11.81	2.88	11.51	2.82	4.80	8.11	11.03	45.90
Whitewater Creek	OK121600-03-0320G	Alk, mg/l	18	0	117.39	5.36	22.76	83.00	97.25	116.00	139.75	159.00
Whitewater Creek	OK121600-03-0320G	Ammonia, mg/l	18	0	0.02	0.01	0.03	0.00	0.01	0.02	0.03	0.12
Whitewater Creek	OK121600-03-0320G	Available-N, mg/l	18	0	0.76	0.14	0.57	0.05	0.47	0.65	0.86	2.34

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Whitewater Creek	OK121600-03-0320G	Chloride, mg/l	18	0	6.28	0.65	2.76	2.50	4.38	5.95	9.00	11.00
Whitewater Creek	OK121600-03-0320G	Cond, mS/cm	18	0	256.50	11.70	49.40	161.80	223.30	256.00	298.30	340.00
Whitewater Creek	OK121600-03-0320G	DO, mg/l	18	0	8.99	0.80	3.38	0.55	8.35	9.31	11.56	12.72
Whitewater Creek	OK121600-03-0320G	DOpsat	18	0	91.41	7.46	31.65	6.12	93.60	98.13	107.46	116.95
Whitewater Creek	OK121600-03-0320G	Fecal col, cfu/100ml	17	1	97.60	27.00	111.40	10.00	15.00	100.00	100.00	500.00
Whitewater Creek	OK121600-03-0320G	Inst. Q, cfs	17	1	12.06	3.65	15.04	0.00	1.54	4.53	17.37	54.10
Whitewater Creek	OK121600-03-0320G	NitrateNitrite, mg/l	18	0	0.74	0.14	0.58	0.03	0.47	0.64	0.85	2.31
Whitewater Creek	OK121600-03-0320G	pH	15	3	7.89	0.07	0.27	7.54	7.71	7.80	8.11	8.38
Whitewater Creek	OK121600-03-0320G	Sulfate, mg/l	18	0	6.55	0.50	2.11	2.50	5.88	6.91	7.92	9.71
Whitewater Creek	OK121600-03-0320G	Temp, C	18	0	16.12	1.07	4.55	9.60	11.93	16.05	19.83	25.30
Whitewater Creek	OK121600-03-0320G	TKN, mg/l	18	0	0.15	0.03	0.12	0.01	0.04	0.12	0.26	0.41
Whitewater Creek	OK121600-03-0320G	Total o-P, mg/l	18	0	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.03
Whitewater Creek	OK121600-03-0320G	Total-N, mg/l	18	0	0.89	0.14	0.60	0.12	0.54	0.72	1.12	2.61
Whitewater Creek	OK121600-03-0320G	Total-P, mg/l	18	0	0.02	0.00	0.02	0.00	0.01	0.02	0.03	0.06
Whitewater Creek	OK121600-03-0320G	TSS, mg/l	18	0	3.11	1.48	6.30	1.00	1.00	1.00	2.75	28.00
Whitewater Creek	OK121600-03-0320G	Turb, NTU	18	0	2.19	0.23	0.98	1.09	1.55	1.84	2.87	4.27
Lost Creek	OK121600-03-0560G	Alk, mg/l	17	0	111.99	7.82	32.24	12.90	106.00	117.00	132.00	152.00
Lost Creek	OK121600-03-0560G	Ammonia, mg/l	17	0	0.02	0.00	0.02	0.00	0.00	0.02	0.03	0.08
Lost Creek	OK121600-03-0560G	Available-N, mg/l	17	0	1.44	0.09	0.39	0.94	1.18	1.33	1.76	2.42
Lost Creek	OK121600-03-0560G	Chloride, mg/l	17	0	6.29	0.69	2.85	2.50	2.50	7.10	9.00	10.00
Lost Creek	OK121600-03-0560G	Cond, mS/cm	17	0	281.90	11.50	47.30	125.80	262.50	296.20	306.00	330.00
Lost Creek	OK121600-03-0560G	DO, mg/l	17	0	10.72	0.54	2.23	6.80	9.38	10.18	13.04	14.10
Lost Creek	OK121600-03-0560G	DOpsat	17	0	111.46	4.11	16.93	82.79	101.02	110.45	124.83	144.24
Lost Creek	OK121600-03-0560G	Fecal col, cfu/100ml	15	2	194.00	65.10	252.30	20.00	100.00	100.00	160.00	1000.00
Lost Creek	OK121600-03-0560G	Inst. Q, cfs	17	0	40.36	6.36	26.22	14.44	18.34	26.94	66.62	89.78
Lost Creek	OK121600-03-0560G	NitrateNitrite, mg/l	17	0	1.43	0.10	0.39	0.89	1.18	1.33	1.75	2.39
Lost Creek	OK121600-03-0560G	pH	14	3	8.15	0.06	0.24	7.72	7.94	8.15	8.30	8.63
Lost Creek	OK121600-03-0560G	Sulfate, mg/l	17	0	8.08	0.46	1.89	5.00	6.21	8.10	10.00	10.60
Lost Creek	OK121600-03-0560G	Temp, C	17	0	17.11	1.73	7.15	2.80	10.55	17.80	23.10	27.20
Lost Creek	OK121600-03-0560G	TKN, mg/l	17	0	0.23	0.03	0.12	0.03	0.16	0.19	0.32	0.53
Lost Creek	OK121600-03-0560G	Total o-P, mg/l	17	0	0.05	0.01	0.02	0.00	0.04	0.05	0.07	0.10
Lost Creek	OK121600-03-0560G	Total-N, mg/l	17	0	1.66	0.10	0.42	1.07	1.41	1.58	1.92	2.74
Lost Creek	OK121600-03-0560G	Total-P, mg/l	17	0	0.08	0.01	0.02	0.03	0.07	0.08	0.10	0.12
Lost Creek	OK121600-03-0560G	TSS, mg/l	17	0	7.63	2.86	11.80	1.00	1.50	3.50	7.63	50.00
Lost Creek	OK121600-03-0560G	Turb, NTU	17	0	4.23	0.84	3.45	1.76	2.59	3.16	4.51	16.50
Hudson Creek	OK121600-04-0040G	Alk, mg/l	17	0	110.71	9.33	38.46	23.00	90.50	115.00	136.50	165.00
Hudson Creek	OK121600-04-0040G	Ammonia, mg/l	17	0	0.09	0.03	0.13	0.00	0.02	0.03	0.09	0.41
Hudson Creek	OK121600-04-0040G	Available-N, mg/l	17	0	0.56	0.22	0.90	0.04	0.05	0.13	0.75	3.24
Hudson Creek	OK121600-04-0040G	Chloride, mg/l	17	0	13.28	1.22	5.02	2.50	10.70	11.30	16.55	25.00
Hudson Creek	OK121600-04-0040G	Cond, mS/cm	17	0	317.50	17.30	71.20	146.70	280.10	320.00	359.60	435.00
Hudson Creek	OK121600-04-0040G	DO, mg/l	17	0	7.46	0.81	3.36	1.82	4.87	7.00	9.95	14.40
Hudson Creek	OK121600-04-0040G	DOpsat	17	0	75.73	6.89	28.42	19.00	60.28	80.30	89.56	135.93
Hudson Creek	OK121600-04-0040G	Fecal col, cfu/100ml	14	3	251.00	101.00	379.00	10.00	80.00	100.00	213.00	1300.00
Hudson Creek	OK121600-04-0040G	Inst. Q, cfs	16	1	1.02	0.55	2.18	0.00	0.00	0.00	0.54	7.08
Hudson Creek	OK121600-04-0040G	NitrateNitrite, mg/l	17	0	0.47	0.20	0.81	0.02	0.03	0.13	0.55	2.83
Hudson Creek	OK121600-04-0040G	pH	15	2	7.94	0.11	0.43	7.40	7.57	7.78	8.32	8.63
Hudson Creek	OK121600-04-0040G	Sulfate, mg/l	17	0	27.43	4.24	17.49	2.92	11.90	19.70	45.00	58.40
Hudson Creek	OK121600-04-0040G	Temp, C	17	0	17.11	2.35	9.67	1.50	7.10	17.50	26.70	30.90
Hudson Creek	OK121600-04-0040G	TKN, mg/l	17	0	1.05	0.09	0.39	0.50	0.77	0.98	1.29	2.12
Hudson Creek	OK121600-04-0040G	Total o-P, mg/l	17	0	0.06	0.02	0.06	0.00	0.01	0.03	0.08	0.21
Hudson Creek	OK121600-04-0040G	Total-N, mg/l	17	0	1.52	0.26	1.06	0.55	0.86	1.05	2.08	4.40

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Hudson Creek	OK121600-04-0040G	Total-P, mg/l	17	0	0.17	0.03	0.13	0.04	0.08	0.11	0.28	0.47
Hudson Creek	OK121600-04-0040G	TSS, mg/l	16	1	16.66	3.24	12.96	1.00	8.00	13.00	22.75	50.00
Hudson Creek	OK121600-04-0040G	Turb, NTU	17	0	24.28	6.12	25.23	4.09	8.37	14.10	34.80	94.20
Cow Creek	OK121600-04-0130G	Alk, mg/l	14	1	61.30	11.80	44.10	11.00	26.50	44.50	113.80	137.00
Cow Creek	OK121600-04-0130G	Ammonia, mg/l	15	0	0.10	0.02	0.08	0.00	0.03	0.12	0.13	0.27
Cow Creek	OK121600-04-0130G	Available-N, mg/l	15	0	0.87	0.25	0.98	0.05	0.29	0.50	1.28	3.74
Cow Creek	OK121600-04-0130G	Chloride, mg/l	15	0	6.17	0.90	3.47	2.50	2.50	5.60	8.00	14.00
Cow Creek	OK121600-04-0130G	Cond, mS/cm	14	1	220.80	18.80	70.40	88.50	164.90	226.50	278.50	320.00
Cow Creek	OK121600-04-0130G	DO, mg/l	14	1	5.78	1.00	3.73	0.67	2.47	6.63	9.38	10.93
Cow Creek	OK121600-04-0130G	DOpsat	13	2	57.93	7.55	27.24	9.87	33.89	68.64	73.61	99.74
Cow Creek	OK121600-04-0130G	Fecal col, cfu/100ml	15	0	338.00	128.00	495.00	10.00	90.00	200.00	500.00	2000.00
Cow Creek	OK121600-04-0130G	Inst. Q, cfs	15	0	2.36	1.22	4.73	0.00	0.00	0.23	3.22	18.48
Cow Creek	OK121600-04-0130G	NitrateNitrite, mg/l	15	0	0.77	0.24	0.93	0.03	0.24	0.37	1.20	3.48
Cow Creek	OK121600-04-0130G	pH	12	3	7.54	0.15	0.52	6.99	7.08	7.43	8.05	8.59
Cow Creek	OK121600-04-0130G	Sulfate, mg/l	15	0	38.03	6.25	24.20	5.66	17.10	36.10	60.70	84.00
Cow Creek	OK121600-04-0130G	Temp, C	13	2	15.59	2.43	8.76	1.60	7.25	13.70	24.95	26.40
Cow Creek	OK121600-04-0130G	TKN, mg/l	15	0	0.83	0.06	0.24	0.54	0.61	0.75	1.08	1.26
Cow Creek	OK121600-04-0130G	Total o-P, mg/l	14	1	0.02	0.00	0.02	0.00	0.00	0.02	0.02	0.06
Cow Creek	OK121600-04-0130G	Total-N, mg/l	15	0	1.60	0.26	1.01	0.70	0.97	1.22	2.01	4.51
Cow Creek	OK121600-04-0130G	Total-P, mg/l	15	0	0.09	0.01	0.06	0.00	0.05	0.09	0.14	0.20
Cow Creek	OK121600-04-0130G	TSS, mg/l	15	0	25.20	4.84	18.76	6.00	9.50	16.00	49.00	56.00
Cow Creek	OK121600-04-0130G	Turb, NTU	14	1	39.66	6.58	24.61	9.80	17.85	34.65	64.68	80.20
Fourmile Creek	OK121600-04-0170G	Alk, mg/l	17	0	56.06	8.13	33.51	22.00	30.50	50.00	67.00	150.00
Fourmile Creek	OK121600-04-0170G	Ammonia, mg/l	17	0	0.07	0.02	0.09	0.00	0.02	0.03	0.07	0.29
Fourmile Creek	OK121600-04-0170G	Available-N, mg/l	17	0	0.60	0.17	0.69	0.05	0.12	0.33	0.74	2.56
Fourmile Creek	OK121600-04-0170G	Chloride, mg/l	17	0	5.49	0.60	2.46	2.50	2.50	5.40	7.50	10.00
Fourmile Creek	OK121600-04-0170G	Cond, mS/cm	17	0	191.20	19.50	80.50	1.86	160.90	186.80	220.40	333.00
Fourmile Creek	OK121600-04-0170G	DO, mg/l	17	0	6.15	0.83	3.41	0.17	4.73	5.60	9.55	11.02
Fourmile Creek	OK121600-04-0170G	DOpsat	17	0	60.11	7.46	30.77	1.93	38.57	66.00	86.36	99.15
Fourmile Creek	OK121600-04-0170G	Fecal col, cfu/100ml	17	0	575.00	347.00	1432.00	10.00	70.00	120.00	300.00	6000.00
Fourmile Creek	OK121600-04-0170G	Inst. Q, cfs	17	0	2.52	1.09	4.48	0.00	0.00	0.29	4.04	13.77
Fourmile Creek	OK121600-04-0170G	NitrateNitrite, mg/l	17	0	0.53	0.15	0.63	0.03	0.09	0.27	0.71	2.27
Fourmile Creek	OK121600-04-0170G	pH	14	3	7.38	0.12	0.45	6.72	6.98	7.31	7.88	8.07
Fourmile Creek	OK121600-04-0170G	Sulfate, mg/l	17	0	33.06	4.57	18.85	0.50	17.30	33.20	47.40	73.80
Fourmile Creek	OK121600-04-0170G	Temp, C	17	0	14.81	2.05	8.44	0.60	6.85	13.00	22.50	26.70
Fourmile Creek	OK121600-04-0170G	TKN, mg/l	17	0	0.89	0.15	0.61	0.36	0.44	0.59	1.32	2.47
Fourmile Creek	OK121600-04-0170G	Total o-P, mg/l	17	0	0.03	0.01	0.03	0.00	0.00	0.02	0.05	0.09
Fourmile Creek	OK121600-04-0170G	Total-N, mg/l	17	0	1.41	0.24	1.00	0.43	0.57	1.11	2.37	3.82
Fourmile Creek	OK121600-04-0170G	Total-P, mg/l	17	0	0.13	0.02	0.09	0.04	0.06	0.08	0.18	0.38
Fourmile Creek	OK121600-04-0170G	TSS, mg/l	17	0	14.32	3.38	13.92	1.00	4.75	9.50	22.25	52.00
Fourmile Creek	OK121600-04-0170G	Turb, NTU	17	0	22.44	4.50	18.56	3.10	7.35	15.60	40.65	58.60
Russell Creek	OK121600-04-0200G	Alk, mg/l	19	1	110.90	7.81	34.03	4.01	104.00	109.00	136.00	163.00
Russell Creek	OK121600-04-0200G	Ammonia, mg/l	18	2	0.02	0.01	0.03	0.00	0.01	0.03	0.03	0.12
Russell Creek	OK121600-04-0200G	Available-N, mg/l	20	0	0.40	0.16	0.69	0.03	0.05	0.11	0.34	2.75
Russell Creek	OK121600-04-0200G	Chloride, mg/l	20	0	20.20	10.30	46.10	2.50	2.50	6.65	7.98	200.00
Russell Creek	OK121600-04-0200G	Cond, mS/cm	20	0	387.20	27.60	123.40	162.20	323.40	391.40	445.10	739.00
Russell Creek	OK121600-04-0200G	DO, mg/l	19	1	8.37	0.89	3.89	0.14	6.34	8.25	11.21	13.33
Russell Creek	OK121600-04-0200G	DOpsat	19	1	81.30	7.45	32.47	1.56	78.34	94.03	101.71	124.00
Russell Creek	OK121600-04-0200G	Fecal col, cfu/100ml	20	0	1124.00	718.00	3213.00	10.00	100.00	200.00	775.00	14600.00
Russell Creek	OK121600-04-0200G	Inst. Q, cfs	19	1	4.60	1.45	6.32	0.00	0.00	2.06	6.59	18.87
Russell Creek	OK121600-04-0200G	NitrateNitrite, mg/l	20	0	0.38	0.15	0.68	0.02	0.03	0.10	0.32	2.72

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Russell Creek	OK121600-04-0200G	pH	18	2	7.82	0.09	0.37	6.83	7.59	7.94	8.09	8.29
Russell Creek	OK121600-04-0200G	Sulfate, mg/l	20	0	73.13	4.71	21.06	38.20	57.93	76.50	82.93	115.00
Russell Creek	OK121600-04-0200G	Temp, C	20	0	14.82	2.10	9.37	0.50	5.95	14.45	24.68	27.80
Russell Creek	OK121600-04-0200G	TKN, mg/l	20	0	0.52	0.06	0.25	0.19	0.38	0.49	0.62	1.36
Russell Creek	OK121600-04-0200G	Total o-P, mg/l	19	1	0.02	0.01	0.04	0.00	0.01	0.01	0.02	0.17
Russell Creek	OK121600-04-0200G	Total-N, mg/l	20	0	0.90	0.16	0.69	0.21	0.44	0.75	1.07	3.11
Russell Creek	OK121600-04-0200G	Total-P, mg/l	20	0	0.07	0.01	0.05	0.02	0.04	0.07	0.08	0.22
Russell Creek	OK121600-04-0200G	TSS, mg/l	20	0	10.80	1.78	7.95	1.00	4.63	9.75	15.25	28.50
Russell Creek	OK121600-04-0200G	Turb, NTU	19	1	9.71	1.63	7.12	3.68	5.73	6.95	10.20	33.50
Bull Creek	OK121600-06-0200G	Alk, mg/l	18	1	94.78	8.93	37.90	40.00	62.25	90.50	120.25	164.00
Bull Creek	OK121600-06-0200G	Ammonia, mg/l	18	1	0.62	0.19	0.80	0.03	0.08	0.30	0.97	2.61
Bull Creek	OK121600-06-0200G	Available-N, mg/l	19	0	1.03	0.22	0.94	0.05	0.38	0.67	1.45	3.00
Bull Creek	OK121600-06-0200G	Chloride, mg/l	19	0	24.54	5.84	25.45	2.50	8.00	15.10	26.00	100.00
Bull Creek	OK121600-06-0200G	Cond, mS/cm	19	0	348.20	37.60	163.90	59.90	226.70	343.00	402.00	722.00
Bull Creek	OK121600-06-0200G	DO, mg/l	19	0	3.79	0.83	3.60	0.64	0.95	2.96	5.33	15.05
Bull Creek	OK121600-06-0200G	DOpsat	19	0	33.16	5.93	25.86	7.96	10.33	25.63	48.95	108.66
Bull Creek	OK121600-06-0200G	Fecal col, cfu/100ml	19	0	3787.00	1525.00	6648.00	10.00	100.00	200.00	7000.00	21000.00
Bull Creek	OK121600-06-0200G	Inst. Q, cfs	19	0	1.44	0.46	1.99	0.00	0.15	0.42	2.26	5.66
Bull Creek	OK121600-06-0200G	NitrateNitrite, mg/l	19	0	0.44	0.09	0.38	0.03	0.19	0.31	0.59	1.38
Bull Creek	OK121600-06-0200G	pH	18	1	7.51	0.11	0.46	6.78	7.19	7.42	7.82	8.47
Bull Creek	OK121600-06-0200G	Sulfate, mg/l	19	0	79.60	13.10	57.00	3.70	37.00	72.20	110.00	228.00
Bull Creek	OK121600-06-0200G	Temp, C	19	0	14.26	1.80	7.83	1.50	6.60	13.60	22.90	25.50
Bull Creek	OK121600-06-0200G	TKN, mg/l	19	0	1.78	0.25	1.11	0.62	0.94	1.32	2.34	4.87
Bull Creek	OK121600-06-0200G	Total o-P, mg/l	18	1	0.14	0.04	0.18	0.01	0.02	0.08	0.14	0.62
Bull Creek	OK121600-06-0200G	Total-N, mg/l	19	0	2.22	0.27	1.18	0.80	1.25	1.94	3.38	5.17
Bull Creek	OK121600-06-0200G	Total-P, mg/l	19	0	0.35	0.07	0.29	0.01	0.15	0.26	0.50	1.15
Bull Creek	OK121600-06-0200G	TSS, mg/l	19	0	18.32	3.08	13.44	4.00	8.00	11.50	26.00	47.00
Bull Creek	OK121600-06-0200G	Turb, NTU	19	0	23.26	3.25	14.16	6.52	13.00	19.70	26.90	51.80
PawPaw Creek	OK121600-06-0240G	Alk, mg/l	16	2	100.32	9.72	38.89	1.06	78.00	98.50	136.25	149.00
PawPaw Creek	OK121600-06-0240G	Ammonia, mg/l	17	1	0.03	0.00	0.02	0.00	0.02	0.03	0.03	0.07
PawPaw Creek	OK121600-06-0240G	Available-N, mg/l	18	0	0.20	0.07	0.30	0.02	0.05	0.09	0.18	1.06
PawPaw Creek	OK121600-06-0240G	Chloride, mg/l	18	0	5.56	0.72	3.05	2.50	2.50	6.50	7.63	11.00
PawPaw Creek	OK121600-06-0240G	Cond, mS/cm	18	0	1070.70	92.10	390.80	568.00	685.80	1006.50	1315.00	1761.00
PawPaw Creek	OK121600-06-0240G	DO, mg/l	18	0	6.69	1.05	4.46	0.24	3.25	5.46	11.21	14.38
PawPaw Creek	OK121600-06-0240G	DOpsat	18	0	62.45	8.28	35.13	2.66	36.40	60.91	96.04	118.62
PawPaw Creek	OK121600-06-0240G	Fecal col, cfu/100ml	17	1	251.80	94.40	389.30	10.00	75.00	100.00	250.00	1600.00
PawPaw Creek	OK121600-06-0240G	Inst. Q, cfs	17	1	4.47	1.47	6.06	0.00	0.00	2.39	6.57	20.01
PawPaw Creek	OK121600-06-0240G	NitrateNitrite, mg/l	18	0	0.18	0.07	0.30	0.00	0.03	0.08	0.13	1.03
PawPaw Creek	OK121600-06-0240G	pH	17	1	7.57	0.06	0.26	7.11	7.38	7.59	7.74	7.96
PawPaw Creek	OK121600-06-0240G	Sulfate, mg/l	18	0	545.30	71.90	305.00	170.00	268.80	496.00	813.80	1120.00
PawPaw Creek	OK121600-06-0240G	Temp, C	18	0	14.81	1.96	8.33	0.50	6.35	15.75	22.93	26.20
PawPaw Creek	OK121600-06-0240G	TKN, mg/l	18	0	0.41	0.05	0.23	0.03	0.28	0.37	0.56	0.94
PawPaw Creek	OK121600-06-0240G	Total o-P, mg/l	17	1	0.02	0.01	0.06	0.00	0.00	0.01	0.02	0.25
PawPaw Creek	OK121600-06-0240G	Total-N, mg/l	18	0	0.59	0.08	0.35	0.06	0.36	0.52	0.72	1.32
PawPaw Creek	OK121600-06-0240G	Total-P, mg/l	18	0	0.07	0.02	0.08	0.01	0.03	0.05	0.06	0.36
PawPaw Creek	OK121600-06-0240G	TSS, mg/l	18	0	13.72	1.94	8.24	1.00	6.88	11.75	20.50	28.00
PawPaw Creek	OK121600-06-0240G	Turb, NTU	18	0	8.49	0.79	3.36	2.88	5.26	9.13	10.88	15.10
Warren Branch Creek	OK121600-07-0050G	Alk, mg/l	19	0	123.89	6.93	30.20	74.00	99.00	123.00	144.00	191.00
Warren Branch Creek	OK121600-07-0050G	Ammonia, mg/l	19	0	0.04	0.02	0.09	0.00	0.00	0.03	0.03	0.39
Warren Branch Creek	OK121600-07-0050G	Available-N, mg/l	19	0	1.19	0.09	0.40	0.05	1.01	1.18	1.29	1.99
Warren Branch Creek	OK121600-07-0050G	Chloride, mg/l	19	0	4.04	0.35	1.50	2.50	2.50	4.00	5.00	7.00

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Warren Branch Creek	OK121600-07-0050G	Cond, mS/cm	19	0	261.30	15.00	65.20	123.80	216.00	280.10	309.80	367.00
Warren Branch Creek	OK121600-07-0050G	DO, mg/l	19	0	10.05	0.26	1.12	8.26	9.28	10.00	10.66	12.89
Warren Branch Creek	OK121600-07-0050G	DOpsat	19	0	101.36	2.64	11.51	80.88	93.40	97.71	108.76	129.04
Warren Branch Creek	OK121600-07-0050G	Fecal col, cfu/100ml	17	2	142.90	60.90	251.10	10.00	45.00	100.00	100.00	1100.00
Warren Branch Creek	OK121600-07-0050G	Inst. Q, cfs	19	0	10.32	1.73	7.54	3.22	4.92	6.16	18.01	29.78
Warren Branch Creek	OK121600-07-0050G	NitrateNitrite, mg/l	19	0	1.15	0.09	0.41	0.03	0.98	1.15	1.28	1.96
Warren Branch Creek	OK121600-07-0050G	pH	17	2	7.78	0.08	0.35	7.19	7.50	7.65	8.15	8.31
Warren Branch Creek	OK121600-07-0050G	Sulfate, mg/l	19	0	7.16	0.71	3.09	2.50	5.90	7.49	7.87	16.50
Warren Branch Creek	OK121600-07-0050G	Temp, C	19	0	14.86	0.58	2.51	9.90	12.70	14.90	16.80	19.20
Warren Branch Creek	OK121600-07-0050G	TKN, mg/l	19	0	0.15	0.03	0.14	0.03	0.08	0.11	0.16	0.52
Warren Branch Creek	OK121600-07-0050G	Total o-P, mg/l	19	0	0.02	0.00	0.01	0.00	0.02	0.02	0.02	0.03
Warren Branch Creek	OK121600-07-0050G	Total-N, mg/l	19	0	1.30	0.09	0.41	0.22	1.07	1.26	1.57	2.07
Warren Branch Creek	OK121600-07-0050G	Total-P, mg/l	19	0	0.04	0.00	0.01	0.02	0.03	0.04	0.05	0.07
Warren Branch Creek	OK121600-07-0050G	TSS, mg/l	19	0	3.29	0.62	2.68	1.00	1.00	3.00	4.00	11.00
Warren Branch Creek	OK121600-07-0050G	Turb, NTU	19	0	3.05	0.50	2.18	0.75	1.56	2.17	3.49	8.99
Fivemile Creek	OK121600-07-0110G	Alk, mg/l	19	0	110.37	7.12	31.05	1.03	102.00	117.00	127.00	152.00
Fivemile Creek	OK121600-07-0110G	Ammonia, mg/l	19	0	0.01	0.00	0.02	0.00	0.00	0.01	0.03	0.06
Fivemile Creek	OK121600-07-0110G	Available-N, mg/l	19	0	0.43	0.06	0.24	0.05	0.31	0.41	0.46	1.03
Fivemile Creek	OK121600-07-0110G	Chloride, mg/l	19	0	5.07	0.55	2.38	2.50	2.50	6.00	7.50	8.00
Fivemile Creek	OK121600-07-0110G	Cond, mS/cm	19	0	263.09	9.75	42.50	160.80	240.00	271.00	286.00	324.00
Fivemile Creek	OK121600-07-0110G	DO, mg/l	19	0	9.88	0.47	2.05	6.89	8.03	9.74	11.83	13.07
Fivemile Creek	OK121600-07-0110G	DOpsat	19	0	101.95	3.05	13.27	84.05	90.71	100.24	111.12	130.96
Fivemile Creek	OK121600-07-0110G	Fecal col, cfu/100ml	19	0	81.60	15.30	66.60	10.00	10.00	100.00	100.00	300.00
Fivemile Creek	OK121600-07-0110G	Inst. Q, cfs	19	0	12.73	1.83	7.96	3.63	5.32	12.48	20.64	27.78
Fivemile Creek	OK121600-07-0110G	NitrateNitrite, mg/l	19	0	0.41	0.06	0.24	0.03	0.31	0.40	0.45	1.03
Fivemile Creek	OK121600-07-0110G	pH	17	2	8.10	0.07	0.30	7.74	7.89	8.08	8.27	9.02
Fivemile Creek	OK121600-07-0110G	Sulfate, mg/l	19	0	6.02	0.61	2.65	1.85	2.50	6.43	7.91	10.60
Fivemile Creek	OK121600-07-0110G	Temp, C	19	0	16.65	1.45	6.32	7.00	10.90	16.20	21.40	27.10
Fivemile Creek	OK121600-07-0110G	TKN, mg/l	19	0	0.09	0.02	0.07	0.03	0.04	0.08	0.14	0.28
Fivemile Creek	OK121600-07-0110G	Total o-P, mg/l	19	0	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.02
Fivemile Creek	OK121600-07-0110G	Total-N, mg/l	19	0	0.50	0.05	0.22	0.21	0.35	0.49	0.56	1.07
Fivemile Creek	OK121600-07-0110G	Total-P, mg/l	19	0	0.03	0.01	0.02	0.00	0.02	0.02	0.03	0.11
Fivemile Creek	OK121600-07-0110G	TSS, mg/l	19	0	1.57	0.30	1.28	1.00	1.00	1.00	1.50	6.00
Fivemile Creek	OK121600-07-0110G	Turb, NTU	19	0	0.77	0.10	0.46	0.20	0.55	0.62	0.85	2.33
Little Fivemile Creek	OK121600-07-0120D	Alk, mg/l	18	1	128.39	7.36	31.24	59.00	108.00	131.50	155.00	177.00
Little Fivemile Creek	OK121600-07-0120D	Ammonia, mg/l	19	0	0.02	0.00	0.02	0.00	0.00	0.01	0.03	0.07
Little Fivemile Creek	OK121600-07-0120D	Available-N, mg/l	19	0	0.37	0.06	0.24	0.05	0.21	0.34	0.46	1.11
Little Fivemile Creek	OK121600-07-0120D	Chloride, mg/l	19	0	3.75	0.28	1.22	2.50	2.50	4.20	5.00	6.00
Little Fivemile Creek	OK121600-07-0120D	Cond, mS/cm	19	0	294.60	12.40	54.10	187.00	259.30	309.50	337.00	380.00
Little Fivemile Creek	OK121600-07-0120D	DO, mg/l	19	0	8.72	0.59	2.57	5.07	6.37	7.78	11.36	12.78
Little Fivemile Creek	OK121600-07-0120D	DOpsat	19	0	86.52	3.56	15.52	59.89	74.96	81.36	100.57	113.88
Little Fivemile Creek	OK121600-07-0120D	Fecal col, cfu/100ml	19	0	82.10	10.50	45.80	10.00	40.00	100.00	100.00	200.00
Little Fivemile Creek	OK121600-07-0120D	Inst. Q, cfs	18	1	1.86	0.37	1.57	0.05	0.46	1.62	3.16	5.03
Little Fivemile Creek	OK121600-07-0120D	NitrateNitrite, mg/l	19	0	0.35	0.06	0.24	0.03	0.21	0.34	0.41	1.08
Little Fivemile Creek	OK121600-07-0120D	pH	17	2	7.85	0.06	0.24	7.51	7.62	7.79	8.06	8.26
Little Fivemile Creek	OK121600-07-0120D	Sulfate, mg/l	19	0	9.94	0.91	3.95	2.50	6.30	10.30	13.50	15.40
Little Fivemile Creek	OK121600-07-0120D	Temp, C	19	0	15.58	1.51	6.57	4.10	9.80	14.20	20.90	25.80
Little Fivemile Creek	OK121600-07-0120D	TKN, mg/l	19	0	0.11	0.02	0.11	0.01	0.03	0.07	0.12	0.42
Little Fivemile Creek	OK121600-07-0120D	Total o-P, mg/l	19	0	0.03	0.00	0.01	0.01	0.02	0.02	0.03	0.04
Little Fivemile Creek	OK121600-07-0120D	Total-N, mg/l	19	0	0.46	0.06	0.24	0.10	0.33	0.44	0.53	1.15
Little Fivemile Creek	OK121600-07-0120D	Total-P, mg/l	19	0	0.04	0.00	0.01	0.02	0.03	0.04	0.05	0.07

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Little Fivemile Creek	OK121600-07-0120D	TSS, mg/l	19	0	1.47	0.21	0.92	0.50	1.00	1.00	2.00	3.50
Little Fivemile Creek	OK121600-07-0120D	Turb, NTU	18	1	1.05	0.16	0.68	0.27	0.62	0.88	1.33	2.99
Pryor Creek	OK121610-00-0090N	Alk, mg/l	15	2	69.87	7.64	29.58	13.00	46.00	72.00	98.00	115.00
Pryor Creek	OK121610-00-0090N	Ammonia, mg/l	16	1	0.15	0.11	0.43	0.00	0.01	0.03	0.07	1.75
Pryor Creek	OK121610-00-0090N	Available-N, mg/l	17	0	0.39	0.13	0.55	0.00	0.13	0.23	0.48	2.42
Pryor Creek	OK121610-00-0090N	Chloride, mg/l	17	0	17.56	7.66	31.59	2.50	5.95	8.50	12.75	137.00
Pryor Creek	OK121610-00-0090N	Cond, mS/cm	16	1	245.90	16.20	64.70	87.60	224.30	246.90	294.50	323.00
Pryor Creek	OK121610-00-0090N	DO, mg/l	16	1	7.17	0.85	3.39	0.91	3.92	7.73	10.33	11.27
Pryor Creek	OK121610-00-0090N	DOpsat	16	1	71.88	7.80	31.22	9.86	42.16	81.15	91.19	114.38
Pryor Creek	OK121610-00-0090N	Fecal col, cfu/100ml	16	1	1234.00	676.00	2704.00	70.00	100.00	250.00	1000.00	10600.00
Pryor Creek	OK121610-00-0090N	Inst. Q, cfs	14	3	10.07	3.89	14.56	0.00	0.00	3.92	17.68	50.87
Pryor Creek	OK121610-00-0090N	NitrateNitrite, mg/l	17	0	0.25	0.05	0.21	0.00	0.06	0.19	0.44	0.67
Pryor Creek	OK121610-00-0090N	pH	13	4	7.54	0.17	0.61	6.14	7.31	7.47	7.78	8.68
Pryor Creek	OK121610-00-0090N	Sulfate, mg/l	17	0	45.88	4.88	20.13	18.60	35.05	40.60	58.40	98.30
Pryor Creek	OK121610-00-0090N	Temp, C	16	1	16.27	2.05	8.21	5.30	7.03	17.70	23.13	27.10
Pryor Creek	OK121610-00-0090N	TKN, mg/l	17	0	1.37	0.74	3.06	0.19	0.49	0.62	0.82	13.20
Pryor Creek	OK121610-00-0090N	Total o-P, mg/l	16	1	0.02	0.00	0.02	0.00	0.01	0.01	0.03	0.06
Pryor Creek	OK121610-00-0090N	Total-N, mg/l	17	0	1.62	0.77	3.17	0.43	0.74	0.85	1.01	13.87
Pryor Creek	OK121610-00-0090N	Total-P, mg/l	17	0	0.13	0.02	0.09	0.05	0.07	0.11	0.18	0.39
Pryor Creek	OK121610-00-0090N	TSS, mg/l	17	0	35.47	5.61	23.15	2.00	20.00	26.50	52.25	90.00
Pryor Creek	OK121610-00-0090N	Turb, NTU	16	1	40.64	6.55	26.19	3.00	18.83	33.20	59.60	92.70
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Alk, mg/l	13	0	58.03	6.38	23.01	35.00	43.00	53.00	66.10	110.00
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Ammonia, mg/l	13	0	0.03	0.01	0.02	0.01	0.01	0.03	0.04	0.08
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Available-N, mg/l	13	0	0.19	0.08	0.29	0.05	0.05	0.09	0.19	1.14
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Chloride, mg/l	13	0	4.92	0.74	2.68	2.50	2.50	5.00	7.25	10.00
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Cond, mS/cm	13	0	256.70	29.10	105.00	133.00	175.80	218.00	363.20	437.00
Brazil Creek: LeFlore Co.	OK220100-03-0010G	DO, mg/l	12	1	5.64	0.78	2.72	2.04	3.82	4.85	7.69	11.20
Brazil Creek: LeFlore Co.	OK220100-03-0010G	DOpsat	12	1	59.07	6.00	20.79	25.69	41.56	58.60	73.93	92.97
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Fecal col, cfu/100ml	12	1	160.80	32.10	111.30	50.00	100.00	100.00	272.50	400.00
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Inst. Q, cfs	13	0	9.53	3.78	13.64	0.00	0.05	1.82	18.02	38.61
Brazil Creek: LeFlore Co.	OK220100-03-0010G	NitrateNitrite, mg/l	13	0	0.16	0.08	0.29	0.03	0.03	0.08	0.15	1.11
Brazil Creek: LeFlore Co.	OK220100-03-0010G	pH	12	1	7.25	0.14	0.48	6.60	6.87	7.10	7.71	7.97
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Sulfate, mg/l	13	0	44.65	6.36	22.92	19.10	25.85	32.70	64.40	90.50
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Temp, C	13	0	18.77	2.24	8.08	5.80	11.95	15.30	26.65	29.30
Brazil Creek: LeFlore Co.	OK220100-03-0010G	TKN, mg/l	13	0	0.37	0.04	0.16	0.18	0.25	0.33	0.46	0.75
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Total o-P, mg/l	13	0	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.02
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Total-N, mg/l	13	0	0.53	0.08	0.28	0.31	0.34	0.48	0.54	1.29
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Total-P, mg/l	13	0	0.05	0.01	0.03	0.02	0.03	0.04	0.06	0.13
Brazil Creek: LeFlore Co.	OK220100-03-0010G	TSS, mg/l	13	0	11.62	1.74	6.29	2.00	8.50	10.50	15.00	26.00
Brazil Creek: LeFlore Co.	OK220100-03-0010G	Turb, NTU	13	0	18.15	2.88	10.40	6.16	10.60	19.30	21.85	43.80
Brazil Creek: Latimer Co.	OK220100-03-0010T	Alk, mg/l	11	1	201.30	69.10	229.20	60.50	65.00	73.60	305.00	645.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	Ammonia, mg/l	12	0	0.02	0.01	0.02	0.00	0.01	0.02	0.03	0.07
Brazil Creek: Latimer Co.	OK220100-03-0010T	Available-N, mg/l	12	0	0.08	0.02	0.07	0.01	0.03	0.06	0.11	0.26
Brazil Creek: Latimer Co.	OK220100-03-0010T	Chloride, mg/l	12	0	7.63	1.42	4.93	2.50	2.50	8.25	11.75	15.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	Cond, mS/cm	12	0	521.00	146.00	505.00	165.00	236.00	318.00	588.00	1953.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	DO, mg/l	11	1	6.52	0.76	2.52	3.35	4.72	5.66	8.74	10.98
Brazil Creek: Latimer Co.	OK220100-03-0010T	DOpsat	11	1	69.61	5.22	17.31	35.48	57.47	69.06	83.02	96.50
Brazil Creek: Latimer Co.	OK220100-03-0010T	Fecal col, cfu/100ml	12	0	98.30	12.80	44.50	20.00	100.00	100.00	107.50	200.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	Inst. Q, cfs	12	0	3.12	1.19	4.12	0.00	0.03	1.55	5.71	12.05
Brazil Creek: Latimer Co.	OK220100-03-0010T	NitrateNitrite, mg/l	12	0	0.06	0.02	0.07	0.00	0.01	0.03	0.06	0.23
Brazil Creek: Latimer Co.	OK220100-03-0010T	pH	10	2	7.51	0.11	0.36	6.83	7.30	7.54	7.83	8.09

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Brazil Creek: Latimer Co.	OK220100-03-0010T	Sulfate, mg/l	12	0	79.50	14.70	51.00	24.30	43.10	50.00	138.00	164.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	Temp, C	12	0	19.13	2.39	8.27	5.10	12.08	17.90	27.73	30.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	TKN, mg/l	12	0	0.36	0.04	0.13	0.14	0.29	0.35	0.46	0.57
Brazil Creek: Latimer Co.	OK220100-03-0010T	Total o-P, mg/l	12	0	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.03
Brazil Creek: Latimer Co.	OK220100-03-0010T	Total-N, mg/l	12	0	0.41	0.03	0.12	0.24	0.31	0.39	0.47	0.63
Brazil Creek: Latimer Co.	OK220100-03-0010T	Total-P, mg/l	12	0	0.05	0.01	0.02	0.02	0.03	0.04	0.06	0.08
Brazil Creek: Latimer Co.	OK220100-03-0010T	TSS, mg/l	12	0	9.50	1.89	6.54	1.00	3.00	9.00	13.13	23.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	Turb, NTU	12	0	19.82	4.79	16.60	5.37	11.80	14.75	21.00	67.80
San Bois Creek	OK220200-04-0010W	Alk, mg/l	15	0	52.53	6.48	25.11	20.00	31.30	43.10	77.40	99.00
San Bois Creek	OK220200-04-0010W	Ammonia, mg/l	15	0	0.11	0.03	0.11	0.00	0.04	0.06	0.13	0.41
San Bois Creek	OK220200-04-0010W	Available-N, mg/l	15	0	0.28	0.04	0.17	0.08	0.12	0.26	0.40	0.65
San Bois Creek	OK220200-04-0010W	Chloride, mg/l	15	0	13.28	2.55	9.87	2.50	6.30	11.00	16.50	39.00
San Bois Creek	OK220200-04-0010W	Cond, mS/cm	15	0	199.10	21.90	84.80	121.00	141.10	169.70	226.30	428.40
San Bois Creek	OK220200-04-0010W	DO, mg/l	14	1	5.22	0.68	2.53	2.16	3.46	4.64	7.51	10.44
San Bois Creek	OK220200-04-0010W	DOpsat	14	1	54.76	5.46	20.45	23.85	38.20	50.45	67.78	94.72
San Bois Creek	OK220200-04-0010W	Fecal col, cfu/100ml	15	0	987.00	718.00	2779.00	10.00	100.00	200.00	500.00	11000.00
San Bois Creek	OK220200-04-0010W	Inst. Q, cfs	15	0	1.53	0.46	1.79	0.00	0.05	1.02	3.27	5.09
San Bois Creek	OK220200-04-0010W	NitrateNitrite, mg/l	15	0	0.17	0.03	0.11	0.00	0.08	0.17	0.25	0.36
San Bois Creek	OK220200-04-0010W	pH	13	2	7.17	0.12	0.43	6.46	6.93	7.07	7.44	8.00
San Bois Creek	OK220200-04-0010W	Sulfate, mg/l	15	0	19.13	2.74	10.61	2.10	14.10	19.70	27.80	34.60
San Bois Creek	OK220200-04-0010W	Temp, C	15	0	18.63	2.00	7.75	4.00	10.80	18.50	25.30	29.30
San Bois Creek	OK220200-04-0010W	TKN, mg/l	15	0	0.94	0.12	0.48	0.48	0.56	0.78	1.32	2.21
San Bois Creek	OK220200-04-0010W	Total o-P, mg/l	15	0	0.03	0.02	0.06	0.00	0.01	0.02	0.03	0.26
San Bois Creek	OK220200-04-0010W	Total-N, mg/l	15	0	1.10	0.13	0.52	0.48	0.79	0.93	1.61	2.29
San Bois Creek	OK220200-04-0010W	Total-P, mg/l	15	0	0.14	0.04	0.15	0.05	0.06	0.10	0.14	0.65
San Bois Creek	OK220200-04-0010W	TSS, mg/l	15	0	24.73	6.98	27.02	1.00	11.00	14.00	24.00	108.00
San Bois Creek	OK220200-04-0010W	Turb, NTU	15	0	29.35	6.40	24.80	5.84	17.90	22.00	31.30	112.00
Mountain Fork of San Bois Creek	OK220200-04-0050J	Alk, mg/l	15	0	17.95	2.63	10.18	5.00	9.30	16.20	22.00	39.00
Mountain Fork of San Bois Creek	OK220200-04-0050J	Ammonia, mg/l	15	0	0.02	0.01	0.02	0.00	0.01	0.02	0.03	0.08
Mountain Fork of San Bois Creek	OK220200-04-0050J	Available-N, mg/l	15	0	0.07	0.02	0.08	0.00	0.02	0.05	0.09	0.32
Mountain Fork of San Bois Creek	OK220200-04-0050J	Chloride, mg/l	15	0	6.51	0.87	3.37	2.50	2.50	6.40	10.00	12.00
Mountain Fork of San Bois Creek	OK220200-04-0050J	Cond, mS/cm	15	0	90.88	6.70	25.96	47.00	76.20	86.40	118.80	126.30
Mountain Fork of San Bois Creek	OK220200-04-0050J	DO, mg/l	14	1	7.89	0.56	2.08	4.35	6.98	7.53	8.83	11.99
Mountain Fork of San Bois Creek	OK220200-04-0050J	DOpsat	13	2	86.16	4.18	15.08	55.16	78.16	89.25	96.87	109.67
Mountain Fork of San Bois Creek	OK220200-04-0050J	Fecal col, cfu/100ml	15	0	169.30	58.60	226.90	10.00	100.00	100.00	100.00	900.00
Mountain Fork of San Bois Creek	OK220200-04-0050J	Inst. Q, cfs	15	0	3.49	0.98	3.79	0.00	0.20	2.11	5.54	12.44
Mountain Fork of San Bois Creek	OK220200-04-0050J	NitrateNitrite, mg/l	15	0	0.05	0.02	0.08	0.00	0.01	0.03	0.06	0.31
Mountain Fork of San Bois Creek	OK220200-04-0050J	pH	13	2	7.13	0.20	0.72	5.91	6.64	7.07	7.76	8.29
Mountain Fork of San Bois Creek	OK220200-04-0050J	Sulfate, mg/l	15	0	12.80	2.13	8.24	2.50	9.20	11.70	13.80	39.80
Mountain Fork of San Bois Creek	OK220200-04-0050J	Temp, C	14	1	20.00	2.20	8.25	5.70	11.33	19.45	28.53	30.50
Mountain Fork of San Bois Creek	OK220200-04-0050J	TKN, mg/l	15	0	0.20	0.04	0.15	0.03	0.10	0.16	0.27	0.56
Mountain Fork of San Bois Creek	OK220200-04-0050J	Total o-P, mg/l	15	0	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.04
Mountain Fork of San Bois Creek	OK220200-04-0050J	Total-N, mg/l	15	0	0.25	0.04	0.17	0.05	0.13	0.18	0.38	0.59
Mountain Fork of San Bois Creek	OK220200-04-0050J	Total-P, mg/l	15	0	0.03	0.01	0.02	0.01	0.02	0.02	0.04	0.08
Mountain Fork of San Bois Creek	OK220200-04-0050J	TSS, mg/l	15	0	7.23	2.05	7.94	1.00	2.00	4.50	9.50	32.00
Mountain Fork of San Bois Creek	OK220200-04-0050J	Turb, NTU	15	0	13.96	3.99	15.44	3.10	7.33	9.94	14.30	67.20
Longtown Creek	OK220600-01-0070G	Alk, mg/l	15	0	41.13	5.85	22.64	18.00	23.80	35.00	49.00	95.00
Longtown Creek	OK220600-01-0070G	Ammonia, mg/l	15	0	0.02	0.01	0.03	0.00	0.00	0.03	0.03	0.10
Longtown Creek	OK220600-01-0070G	Available-N, mg/l	15	0	0.20	0.10	0.38	0.00	0.03	0.10	0.16	1.48
Longtown Creek	OK220600-01-0070G	Chloride, mg/l	15	0	6.13	0.95	3.66	2.50	2.50	5.50	8.00	13.00
Longtown Creek	OK220600-01-0070G	Cond, mS/cm	15	0	132.10	14.30	55.50	3.95	99.80	128.20	175.10	238.50

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Longtown Creek	OK220600-01-0070G	DO, mg/l	14	1	6.56	0.73	2.74	1.25	4.75	6.35	8.70	10.80
Longtown Creek	OK220600-01-0070G	DOpsat	14	1	70.07	7.17	26.83	15.80	51.51	69.37	89.82	115.06
Longtown Creek	OK220600-01-0070G	Fecal col, cfu/100ml	14	1	341.00	206.00	771.00	30.00	100.00	100.00	300.00	3000.00
Longtown Creek	OK220600-01-0070G	Inst. Q, cfs	15	0	1.83	0.63	2.44	0.00	0.00	0.45	5.05	6.64
Longtown Creek	OK220600-01-0070G	NitrateNitrite, mg/l	15	0	0.18	0.10	0.38	0.00	0.00	0.05	0.13	1.43
Longtown Creek	OK220600-01-0070G	pH	13	2	7.30	0.20	0.72	6.00	6.81	7.18	8.06	8.29
Longtown Creek	OK220600-01-0070G	Sulfate, mg/l	15	0	18.79	2.89	11.20	0.50	9.24	17.70	28.00	41.00
Longtown Creek	OK220600-01-0070G	Temp, C	15	0	18.79	2.03	7.85	3.50	10.90	19.80	26.50	30.20
Longtown Creek	OK220600-01-0070G	TKN, mg/l	15	0	0.43	0.07	0.27	0.08	0.21	0.34	0.58	0.89
Longtown Creek	OK220600-01-0070G	Total o-P, mg/l	15	0	0.02	0.01	0.06	0.00	0.00	0.00	0.01	0.22
Longtown Creek	OK220600-01-0070G	Total-N, mg/l	15	0	0.61	0.12	0.47	0.09	0.27	0.47	0.83	2.01
Longtown Creek	OK220600-01-0070G	Total-P, mg/l	15	0	0.06	0.02	0.09	0.01	0.02	0.03	0.05	0.38
Longtown Creek	OK220600-01-0070G	TSS, mg/l	15	0	10.60	2.29	8.88	1.00	5.00	7.00	16.00	34.00
Longtown Creek	OK220600-01-0070G	Turb, NTU	15	0	14.79	3.79	14.68	3.89	6.49	9.50	18.80	61.50
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Alk, mg/l	11	1	64.79	9.37	31.07	30.00	39.00	57.00	86.00	135.00
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Ammonia, mg/l	12	0	0.03	0.01	0.03	0.00	0.01	0.02	0.03	0.10
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Available-N, mg/l	12	0	0.25	0.07	0.24	0.05	0.07	0.19	0.25	0.83
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Chloride, mg/l	12	0	8.52	1.60	5.53	2.50	5.33	7.00	11.75	20.00
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Cond, mS/cm	11	1	226.80	29.30	97.00	95.00	149.90	219.90	279.60	452.30
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	DO, mg/l	10	2	7.76	0.60	1.90	5.51	5.99	7.66	9.94	10.39
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	DOpsat	10	2	83.08	4.07	12.88	62.16	71.88	84.82	92.03	101.97
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Fecal col, cfu/100ml	11	1	210.00	89.50	296.70	10.00	60.00	100.00	100.00	900.00
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Inst. Q, cfs	11	1	1.89	0.85	2.81	0.07	0.20	0.71	2.16	9.10
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	NitrateNitrite, mg/l	12	0	0.22	0.07	0.23	0.03	0.03	0.17	0.24	0.81
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	pH	10	2	7.34	0.18	0.56	6.42	6.99	7.37	7.58	8.49
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Sulfate, mg/l	12	0	18.22	2.37	8.20	0.50	12.43	19.55	25.23	28.00
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Temp, C	11	1	18.92	3.31	10.99	3.80	10.40	18.40	29.30	34.20
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	TKN, mg/l	12	0	0.49	0.05	0.18	0.27	0.33	0.49	0.58	0.87
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Total o-P, mg/l	12	0	0.01	0.01	0.02	0.00	0.00	0.00	0.01	0.08
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Total-N, mg/l	12	0	0.71	0.11	0.38	0.35	0.46	0.54	0.85	1.68
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Total-P, mg/l	12	0	0.07	0.01	0.04	0.02	0.04	0.05	0.10	0.17
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	TSS, mg/l	12	0	17.50	3.16	10.95	2.00	8.75	15.50	27.75	36.50
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	Turb, NTU	11	1	33.93	7.96	26.41	5.18	10.80	22.80	61.80	78.20
Brushy Creek	OK220600-03-0010T	Alk, mg/l	15	0	66.80	13.40	51.70	14.80	20.60	48.00	110.00	164.00
Brushy Creek	OK220600-03-0010T	Ammonia, mg/l	15	0	0.03	0.01	0.02	0.00	0.01	0.02	0.03	0.08
Brushy Creek	OK220600-03-0010T	Available-N, mg/l	15	0	0.20	0.03	0.11	0.05	0.12	0.19	0.26	0.49
Brushy Creek	OK220600-03-0010T	Chloride, mg/l	15	0	6.89	1.00	3.89	2.50	2.50	7.00	10.00	15.00
Brushy Creek	OK220600-03-0010T	Cond, mS/cm	15	0	215.20	35.70	138.30	78.00	109.20	136.40	345.00	449.70
Brushy Creek	OK220600-03-0010T	DO, mg/l	14	1	5.54	0.65	2.42	2.45	3.33	5.64	7.78	10.43
Brushy Creek	OK220600-03-0010T	DOpsat	14	1	58.98	5.43	20.30	24.97	40.12	63.77	72.48	94.99
Brushy Creek	OK220600-03-0010T	Fecal col, cfu/100ml	14	1	478.00	280.00	1048.00	20.00	100.00	100.00	360.00	4000.00
Brushy Creek	OK220600-03-0010T	Inst. Q, cfs	15	0	3.90	1.72	6.68	0.00	0.00	1.38	6.07	25.58
Brushy Creek	OK220600-03-0010T	NitrateNitrite, mg/l	15	0	0.17	0.03	0.10	0.03	0.10	0.18	0.19	0.46
Brushy Creek	OK220600-03-0010T	pH	14	1	7.30	0.15	0.57	6.01	6.99	7.60	7.66	7.79
Brushy Creek	OK220600-03-0010T	Sulfate, mg/l	15	0	20.07	4.18	16.19	0.10	9.30	19.40	22.10	68.10
Brushy Creek	OK220600-03-0010T	Temp, C	15	0	18.59	1.79	6.92	5.40	10.80	21.00	24.30	27.40
Brushy Creek	OK220600-03-0010T	TKN, mg/l	15	0	0.44	0.04	0.17	0.20	0.26	0.45	0.61	0.67
Brushy Creek	OK220600-03-0010T	Total o-P, mg/l	15	0	0.02	0.01	0.03	0.00	0.00	0.01	0.03	0.13
Brushy Creek	OK220600-03-0010T	Total-N, mg/l	15	0	0.61	0.04	0.15	0.31	0.46	0.65	0.72	0.85
Brushy Creek	OK220600-03-0010T	Total-P, mg/l	15	0	0.08	0.01	0.06	0.03	0.05	0.08	0.09	0.26
Brushy Creek	OK220600-03-0010T	TSS, mg/l	15	0	24.05	4.93	19.09	1.00	13.00	19.00	32.80	80.00

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Brushy Creek	OK220600-03-0010T	Turb, NTU	15	0	37.29	7.92	30.66	12.90	19.40	30.30	43.30	140.00
Peaceable Creek	OK220600-03-0050M	Alk, mg/l	12	0	62.30	3.85	13.32	45.00	52.25	61.50	70.35	90.00
Peaceable Creek	OK220600-03-0050M	Ammonia, mg/l	12	0	0.03	0.01	0.03	0.00	0.02	0.03	0.05	0.11
Peaceable Creek	OK220600-03-0050M	Available-N, mg/l	12	0	0.22	0.05	0.17	0.05	0.08	0.17	0.39	0.51
Peaceable Creek	OK220600-03-0050M	Chloride, mg/l	12	0	23.67	2.99	10.36	9.50	13.38	23.30	34.50	37.90
Peaceable Creek	OK220600-03-0050M	Cond, mS/cm	12	0	272.10	17.80	61.60	177.00	216.20	259.40	334.30	364.90
Peaceable Creek	OK220600-03-0050M	DO, mg/l	11	1	5.52	0.66	2.20	4.06	4.18	4.25	7.70	10.15
Peaceable Creek	OK220600-03-0050M	DOpsat	11	1	57.93	3.94	13.08	44.31	48.72	54.48	66.80	90.20
Peaceable Creek	OK220600-03-0050M	Fecal col, cfu/100ml	10	2	150.00	30.80	97.50	10.00	95.00	100.00	232.50	300.00
Peaceable Creek	OK220600-03-0050M	Inst. Q, cfs	12	0	3.80	1.37	4.76	0.11	0.40	2.16	5.84	15.46
Peaceable Creek	OK220600-03-0050M	NitrateNitrite, mg/l	12	0	0.19	0.05	0.17	0.03	0.05	0.14	0.37	0.48
Peaceable Creek	OK220600-03-0050M	pH	10	2	7.38	0.10	0.31	6.85	7.14	7.39	7.71	7.78
Peaceable Creek	OK220600-03-0050M	Sulfate, mg/l	12	0	25.52	4.53	15.70	5.79	11.05	23.65	39.33	54.80
Peaceable Creek	OK220600-03-0050M	Temp, C	12	0	18.56	2.42	8.37	5.20	10.15	19.55	27.13	28.00
Peaceable Creek	OK220600-03-0050M	TKN, mg/l	12	0	0.57	0.03	0.10	0.35	0.50	0.59	0.64	0.73
Peaceable Creek	OK220600-03-0050M	Total o-P, mg/l	12	0	0.02	0.01	0.03	0.00	0.00	0.02	0.03	0.09
Peaceable Creek	OK220600-03-0050M	Total-N, mg/l	12	0	0.75	0.05	0.18	0.40	0.66	0.75	0.92	1.04
Peaceable Creek	OK220600-03-0050M	Total-P, mg/l	12	0	0.09	0.01	0.03	0.04	0.07	0.09	0.11	0.15
Peaceable Creek	OK220600-03-0050M	TSS, mg/l	12	0	23.58	3.57	12.37	4.00	15.25	23.00	27.13	47.00
Peaceable Creek	OK220600-03-0050M	Turb, NTU	12	0	42.47	8.26	28.63	13.60	25.40	31.80	52.45	116.00
Gaines Creek	OK220600-04-0010F	Alk, mg/l	15	0	40.09	6.29	24.37	14.30	17.00	31.00	61.00	85.00
Gaines Creek	OK220600-04-0010F	Ammonia, mg/l	15	0	0.03	0.01	0.05	0.00	0.01	0.03	0.03	0.19
Gaines Creek	OK220600-04-0010F	Available-N, mg/l	15	0	0.22	0.05	0.18	0.00	0.05	0.17	0.34	0.64
Gaines Creek	OK220600-04-0010F	Chloride, mg/l	15	0	5.37	0.67	2.61	2.50	2.50	6.50	7.00	10.00
Gaines Creek	OK220600-04-0010F	Cond, mS/cm	15	0	147.90	13.20	51.30	48.80	119.90	147.00	186.60	224.20
Gaines Creek	OK220600-04-0010F	DO, mg/l	14	1	5.51	0.93	3.47	2.29	3.34	4.06	7.70	13.80
Gaines Creek	OK220600-04-0010F	DOpsat	14	1	57.30	6.67	24.98	31.05	37.70	48.47	81.50	110.67
Gaines Creek	OK220600-04-0010F	Fecal col, cfu/100ml	12	3	181.70	42.40	146.90	30.00	100.00	100.00	275.00	500.00
Gaines Creek	OK220600-04-0010F	Inst. Q, cfs	15	0	5.20	1.60	6.18	0.00	0.24	2.72	10.92	17.50
Gaines Creek	OK220600-04-0010F	NitrateNitrite, mg/l	15	0	0.18	0.04	0.17	0.00	0.03	0.16	0.22	0.61
Gaines Creek	OK220600-04-0010F	pH	14	1	6.93	0.14	0.53	6.15	6.59	6.81	7.52	7.79
Gaines Creek	OK220600-04-0010F	Sulfate, mg/l	15	0	18.45	3.91	15.14	2.50	6.50	14.30	27.90	54.20
Gaines Creek	OK220600-04-0010F	Temp, C	15	0	19.93	2.12	8.21	5.60	11.30	20.00	29.00	30.00
Gaines Creek	OK220600-04-0010F	TKN, mg/l	15	0	0.36	0.04	0.17	0.05	0.31	0.35	0.39	0.79
Gaines Creek	OK220600-04-0010F	Total o-P, mg/l	15	0	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.02
Gaines Creek	OK220600-04-0010F	Total-N, mg/l	15	0	0.54	0.05	0.20	0.21	0.38	0.55	0.74	0.85
Gaines Creek	OK220600-04-0010F	Total-P, mg/l	15	0	0.05	0.00	0.02	0.02	0.03	0.04	0.06	0.08
Gaines Creek	OK220600-04-0010F	TSS, mg/l	12	3	10.03	1.87	6.48	1.00	3.50	10.70	15.00	22.00
Gaines Creek	OK220600-04-0010F	Turb, NTU	15	0	18.10	2.05	7.94	9.07	12.50	16.50	20.30	38.00
Beaver Creek	OK220600-04-0030G	Alk, mg/l	16	0	71.80	15.50	62.00	15.50	24.10	43.60	135.50	200.00
Beaver Creek	OK220600-04-0030G	Ammonia, mg/l	16	0	0.13	0.08	0.31	0.00	0.01	0.03	0.08	1.25
Beaver Creek	OK220600-04-0030G	Available-N, mg/l	16	0	0.29	0.08	0.32	0.00	0.10	0.20	0.41	1.31
Beaver Creek	OK220600-04-0030G	Chloride, mg/l	16	0	12.68	4.20	16.78	2.50	3.25	7.10	14.25	69.10
Beaver Creek	OK220600-04-0030G	Cond, mS/cm	16	0	348.00	114.00	455.00	63.00	109.00	159.00	471.00	1897.00
Beaver Creek	OK220600-04-0030G	DO, mg/l	15	1	4.97	0.98	3.81	0.52	1.54	3.91	7.80	12.64
Beaver Creek	OK220600-04-0030G	DOpsat	15	1	50.31	8.55	33.12	6.45	19.19	50.29	78.39	101.37
Beaver Creek	OK220600-04-0030G	Fecal col, cfu/100ml	16	0	4212.00	3857.00	15429.00	50.00	100.00	100.00	350.00	62000.00
Beaver Creek	OK220600-04-0030G	Inst. Q, cfs	16	0	0.93	0.54	2.14	0.00	0.00	0.18	0.89	8.71
Beaver Creek	OK220600-04-0030G	NitrateNitrite, mg/l	16	0	0.16	0.04	0.14	0.00	0.03	0.12	0.29	0.41
Beaver Creek	OK220600-04-0030G	pH	15	1	7.17	0.10	0.40	6.58	6.83	7.15	7.71	7.76
Beaver Creek	OK220600-04-0030G	Sulfate, mg/l	16	0	73.80	42.90	171.60	8.10	15.80	19.00	59.90	708.00

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Beaver Creek	OK220600-04-0030G	Temp, C	16	0	18.23	1.92	7.68	5.80	10.55	17.20	25.85	27.80
Beaver Creek	OK220600-04-0030G	TKN, mg/l	16	0	0.81	0.20	0.79	0.05	0.26	0.56	0.87	2.72
Beaver Creek	OK220600-04-0030G	Total o-P, mg/l	16	0	0.02	0.01	0.05	0.00	0.00	0.01	0.02	0.21
Beaver Creek	OK220600-04-0030G	Total-N, mg/l	16	0	0.97	0.19	0.77	0.08	0.39	0.65	1.23	2.78
Beaver Creek	OK220600-04-0030G	Total-P, mg/l	16	0	0.09	0.03	0.11	0.02	0.04	0.05	0.08	0.47
Beaver Creek	OK220600-04-0030G	TSS, mg/l	16	0	23.06	4.82	19.28	1.00	7.00	16.25	44.25	56.00
Beaver Creek	OK220600-04-0030G	Turb, NTU	16	0	32.66	4.17	16.66	8.40	15.63	29.75	47.43	61.70
Glasses Creek	OK310800-01-0020M	Alk, mg/l	19	0	168.19	9.07	39.53	67.00	149.00	170.00	198.00	239.00
Glasses Creek	OK310800-01-0020M	Ammonia, mg/l	19	0	0.14	0.06	0.26	0.00	0.01	0.04	0.10	1.08
Glasses Creek	OK310800-01-0020M	Available-N, mg/l	19	0	0.51	0.10	0.43	0.04	0.11	0.46	0.62	1.60
Glasses Creek	OK310800-01-0020M	Chloride, mg/l	19	0	27.64	3.37	14.70	7.90	16.90	25.00	38.00	58.40
Glasses Creek	OK310800-01-0020M	Cond, mS/cm	18	1	539.50	28.70	121.90	223.00	487.80	585.00	621.80	697.00
Glasses Creek	OK310800-01-0020M	DO, mg/l	19	0	11.02	0.71	3.09	5.63	8.43	11.05	12.10	17.43
Glasses Creek	OK310800-01-0020M	DOpsat	19	0	120.70	7.46	32.53	63.71	97.45	110.93	144.12	205.16
Glasses Creek	OK310800-01-0020M	Fecal col, cfu/100ml	19	0	893.00	404.00	1759.00	20.00	100.00	200.00	400.00	6000.00
Glasses Creek	OK310800-01-0020M	Inst. Q, cfs	18	1	2.48	0.79	3.34	0.00	0.19	0.71	4.61	11.49
Glasses Creek	OK310800-01-0020M	NitrateNitrite, mg/l	19	0	0.37	0.06	0.26	0.03	0.11	0.38	0.52	0.91
Glasses Creek	OK310800-01-0020M	pH	18	1	8.18	0.10	0.43	7.66	7.83	8.08	8.51	9.07
Glasses Creek	OK310800-01-0020M	Sulfate, mg/l	19	0	42.87	3.02	13.14	10.90	35.40	45.00	51.50	64.00
Glasses Creek	OK310800-01-0020M	Temp, C	19	0	19.63	1.94	8.47	7.80	10.40	20.60	27.60	31.70
Glasses Creek	OK310800-01-0020M	TKN, mg/l	19	0	0.71	0.08	0.37	0.26	0.43	0.66	0.90	1.87
Glasses Creek	OK310800-01-0020M	Total o-P, mg/l	18	1	0.76	0.20	0.87	0.05	0.18	0.44	1.00	3.61
Glasses Creek	OK310800-01-0020M	Total-N, mg/l	19	0	1.08	0.13	0.55	0.44	0.52	1.12	1.43	2.39
Glasses Creek	OK310800-01-0020M	Total-P, mg/l	19	0	0.88	0.21	0.89	0.16	0.35	0.54	1.08	3.70
Glasses Creek	OK310800-01-0020M	TSS, mg/l	19	0	15.77	8.78	38.27	1.00	2.00	6.50	13.00	172.00
Glasses Creek	OK310800-01-0020M	Turb, NTU	19	0	21.30	10.40	45.20	3.01	4.31	12.60	15.40	205.00
Oil Creek	OK310800-01-0240P	Alk, mg/l	18	1	222.50	11.10	47.10	126.00	180.50	231.00	264.30	283.00
Oil Creek	OK310800-01-0240P	Ammonia, mg/l	19	0	0.04	0.01	0.04	0.00	0.00	0.03	0.06	0.13
Oil Creek	OK310800-01-0240P	Available-N, mg/l	19	0	1.05	0.23	1.01	0.11	0.38	0.72	1.07	3.29
Oil Creek	OK310800-01-0240P	Chloride, mg/l	19	0	6.12	0.55	2.39	2.50	4.00	7.00	8.50	9.00
Oil Creek	OK310800-01-0240P	Cond, mS/cm	18	1	504.70	22.80	96.50	223.30	463.80	529.00	569.00	620.00
Oil Creek	OK310800-01-0240P	DO, mg/l	19	0	7.33	0.55	2.38	2.82	5.64	6.51	9.92	11.30
Oil Creek	OK310800-01-0240P	DOpsat	19	0	75.26	3.79	16.51	34.64	63.98	72.80	90.81	103.44
Oil Creek	OK310800-01-0240P	Fecal col, cfu/100ml	19	0	3351.00	2114.00	9216.00	100.00	100.00	400.00	900.00	40000.00
Oil Creek	OK310800-01-0240P	Inst. Q, cfs	18	1	5.78	1.21	5.15	0.41	1.83	4.03	9.02	17.81
Oil Creek	OK310800-01-0240P	NitrateNitrite, mg/l	19	0	1.02	0.23	1.02	0.06	0.34	0.72	1.05	3.26
Oil Creek	OK310800-01-0240P	pH	17	2	7.78	0.08	0.31	7.11	7.52	7.89	7.99	8.32
Oil Creek	OK310800-01-0240P	Sulfate, mg/l	19	0	16.49	2.01	8.74	1.00	11.80	16.60	23.80	32.00
Oil Creek	OK310800-01-0240P	Temp, C	19	0	17.14	1.40	6.10	7.40	10.70	18.20	22.00	26.00
Oil Creek	OK310800-01-0240P	TKN, mg/l	19	0	0.38	0.08	0.35	0.09	0.23	0.31	0.36	1.72
Oil Creek	OK310800-01-0240P	Total o-P, mg/l	18	1	0.05	0.02	0.09	0.00	0.01	0.02	0.05	0.38
Oil Creek	OK310800-01-0240P	Total-N, mg/l	19	0	1.40	0.25	1.08	0.34	0.52	1.08	2.31	3.61
Oil Creek	OK310800-01-0240P	Total-P, mg/l	19	0	0.08	0.03	0.12	0.00	0.02	0.05	0.07	0.54
Oil Creek	OK310800-01-0240P	TSS, mg/l	19	0	8.45	3.77	16.41	0.50	2.00	3.70	6.00	71.90
Oil Creek	OK310800-01-0240P	Turb, NTU	19	0	11.28	4.22	18.40	1.18	2.60	4.21	13.20	82.60
Sand Branch Creek	OK310800-02-0040C	Alk, mg/l	18	0	191.60	13.90	58.80	83.00	144.00	196.50	249.30	272.00
Sand Branch Creek	OK310800-02-0040C	Ammonia, mg/l	18	0	0.03	0.01	0.03	0.00	0.01	0.02	0.03	0.10
Sand Branch Creek	OK310800-02-0040C	Available-N, mg/l	18	0	0.12	0.02	0.10	0.02	0.04	0.08	0.18	0.40
Sand Branch Creek	OK310800-02-0040C	Chloride, mg/l	18	0	27.34	2.18	9.24	9.90	22.63	28.00	32.25	45.00
Sand Branch Creek	OK310800-02-0040C	Cond, mS/cm	17	1	607.60	46.40	191.30	202.00	451.00	678.00	754.00	850.00
Sand Branch Creek	OK310800-02-0040C	DO, mg/l	18	0	8.11	0.60	2.54	4.31	6.10	7.77	10.61	11.99

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Sand Branch Creek	OK310800-02-0040C	DOpsat	18	0	86.56	4.77	20.25	47.52	69.51	93.10	99.77	122.32
Sand Branch Creek	OK310800-02-0040C	Fecal col, cfu/100ml	17	1	2217.00	1545.00	6372.00	10.00	100.00	100.00	350.00	26200.00
Sand Branch Creek	OK310800-02-0040C	Inst. Q, cfs	18	0	0.78	0.28	1.20	0.00	0.01	0.36	1.26	4.76
Sand Branch Creek	OK310800-02-0040C	NitrateNitrite, mg/l	18	0	0.10	0.02	0.09	0.00	0.03	0.07	0.16	0.33
Sand Branch Creek	OK310800-02-0040C	pH	16	2	7.97	0.07	0.29	7.28	7.75	8.02	8.16	8.43
Sand Branch Creek	OK310800-02-0040C	Sulfate, mg/l	18	0	54.91	4.54	19.25	11.80	40.78	60.30	71.40	77.30
Sand Branch Creek	OK310800-02-0040C	Temp, C	18	0	18.93	1.87	7.93	7.50	10.70	20.25	27.70	30.00
Sand Branch Creek	OK310800-02-0040C	TKN, mg/l	18	0	0.49	0.07	0.29	0.14	0.27	0.36	0.75	1.19
Sand Branch Creek	OK310800-02-0040C	Total o-P, mg/l	17	1	0.01	0.00	0.02	0.00	0.00	0.01	0.02	0.07
Sand Branch Creek	OK310800-02-0040C	Total-N, mg/l	18	0	0.59	0.08	0.35	0.14	0.31	0.47	0.84	1.52
Sand Branch Creek	OK310800-02-0040C	Total-P, mg/l	18	0	0.05	0.01	0.04	0.02	0.02	0.04	0.07	0.20
Sand Branch Creek	OK310800-02-0040C	TSS, mg/l	18	0	38.50	13.10	55.50	1.00	5.63	12.00	51.50	220.00
Sand Branch Creek	OK310800-02-0040C	Turb, NTU	18	0	33.50	10.40	44.10	5.40	7.29	14.40	48.60	190.00
Chigley Sandy Creek	OK310800-02-0190K	Alk, mg/l	19	1	238.40	14.00	61.20	141.00	177.00	250.00	273.00	338.00
Chigley Sandy Creek	OK310800-02-0190K	Ammonia, mg/l	20	0	0.02	0.01	0.03	0.00	0.00	0.02	0.03	0.16
Chigley Sandy Creek	OK310800-02-0190K	Available-N, mg/l	20	0	0.50	0.13	0.58	0.05	0.17	0.32	0.57	2.35
Chigley Sandy Creek	OK310800-02-0190K	Chloride, mg/l	20	0	25.22	1.83	8.20	10.90	20.33	26.00	31.00	40.00
Chigley Sandy Creek	OK310800-02-0190K	Cond, mS/cm	19	1	601.10	24.10	105.10	402.00	510.00	601.00	674.00	780.00
Chigley Sandy Creek	OK310800-02-0190K	DO, mg/l	19	1	8.38	0.65	2.84	2.01	6.53	8.39	10.86	12.49
Chigley Sandy Creek	OK310800-02-0190K	DOpsat	19	1	83.80	5.03	21.91	24.22	74.66	87.85	98.42	110.69
Chigley Sandy Creek	OK310800-02-0190K	Fecal col, cfu/100ml	20	0	2661.00	1978.00	8845.00	40.00	100.00	300.00	1125.00	40000.00
Chigley Sandy Creek	OK310800-02-0190K	Inst. Q, cfs	20	0	2.38	0.59	2.62	0.00	0.08	1.49	4.13	8.64
Chigley Sandy Creek	OK310800-02-0190K	NitrateNitrite, mg/l	20	0	0.48	0.13	0.57	0.03	0.17	0.31	0.55	2.32
Chigley Sandy Creek	OK310800-02-0190K	pH	18	2	7.70	0.08	0.35	7.06	7.36	7.78	8.01	8.14
Chigley Sandy Creek	OK310800-02-0190K	Sulfate, mg/l	20	0	13.32	0.91	4.06	1.00	10.60	14.10	16.10	19.20
Chigley Sandy Creek	OK310800-02-0190K	Temp, C	20	0	15.50	1.46	6.52	4.50	9.20	16.30	21.88	24.10
Chigley Sandy Creek	OK310800-02-0190K	TKN, mg/l	20	0	0.29	0.06	0.28	0.02	0.14	0.22	0.34	1.24
Chigley Sandy Creek	OK310800-02-0190K	Total o-P, mg/l	19	1	0.02	0.00	0.01	0.00	0.00	0.01	0.02	0.06
Chigley Sandy Creek	OK310800-02-0190K	Total-N, mg/l	20	0	0.77	0.14	0.62	0.13	0.32	0.63	1.02	2.66
Chigley Sandy Creek	OK310800-02-0190K	Total-P, mg/l	20	0	0.05	0.01	0.06	0.00	0.02	0.04	0.06	0.24
Chigley Sandy Creek	OK310800-02-0190K	TSS, mg/l	20	0	13.24	8.34	37.28	1.00	1.00	2.50	6.00	169.00
Chigley Sandy Creek	OK310800-02-0190K	Turb, NTU	20	0	8.50	3.88	17.35	0.50	1.16	2.14	8.36	77.50
Dumpling Creek	OK410300-03-0210C	Alk, mg/l	13	0	48.34	8.71	31.41	16.90	21.10	30.90	81.00	101.00
Dumpling Creek	OK410300-03-0210C	Ammonia, mg/l	13	0	0.03	0.01	0.05	0.00	0.01	0.01	0.03	0.20
Dumpling Creek	OK410300-03-0210C	Available-N, mg/l	13	0	0.19	0.03	0.11	0.05	0.10	0.18	0.22	0.47
Dumpling Creek	OK410300-03-0210C	Chloride, mg/l	13	0	14.62	2.06	7.42	2.50	10.00	14.00	17.50	34.60
Dumpling Creek	OK410300-03-0210C	Cond, mS/cm	12	1	148.00	8.41	29.15	117.50	129.38	140.65	154.03	230.00
Dumpling Creek	OK410300-03-0210C	DO, mg/l	13	0	7.31	0.57	2.04	3.64	5.22	7.65	9.26	9.91
Dumpling Creek	OK410300-03-0210C	DOpsat	13	0	74.74	3.88	14.00	41.67	62.64	82.48	85.51	87.57
Dumpling Creek	OK410300-03-0210C	Fecal col, cfu/100ml	13	0	529.00	274.00	987.00	10.00	100.00	200.00	400.00	3700.00
Dumpling Creek	OK410300-03-0210C	Inst. Q, cfs	13	0	4.42	1.17	4.21	0.00	0.28	4.08	7.52	11.80
Dumpling Creek	OK410300-03-0210C	NitrateNitrite, mg/l	13	0	0.16	0.03	0.11	0.03	0.08	0.16	0.22	0.44
Dumpling Creek	OK410300-03-0210C	pH	13	0	7.20	0.17	0.61	6.41	6.67	7.12	7.68	8.36
Dumpling Creek	OK410300-03-0210C	Sulfate, mg/l	13	0	5.22	0.81	2.94	0.50	2.72	5.10	7.85	10.20
Dumpling Creek	OK410300-03-0210C	Temp, C	13	0	17.34	1.95	7.03	7.50	9.75	18.30	23.75	26.70
Dumpling Creek	OK410300-03-0210C	TKN, mg/l	13	0	0.41	0.04	0.15	0.21	0.30	0.37	0.53	0.75
Dumpling Creek	OK410300-03-0210C	Total o-P, mg/l	12	1	0.02	0.00	0.01	0.01	0.01	0.01	0.03	0.04
Dumpling Creek	OK410300-03-0210C	Total-N, mg/l	13	0	0.56	0.05	0.17	0.28	0.44	0.50	0.75	0.83
Dumpling Creek	OK410300-03-0210C	Total-P, mg/l	13	0	0.06	0.01	0.02	0.02	0.05	0.05	0.08	0.10
Dumpling Creek	OK410300-03-0210C	TSS, mg/l	13	0	6.32	1.41	5.08	2.00	2.50	4.00	11.00	18.20
Dumpling Creek	OK410300-03-0210C	Turb, NTU	13	0	12.03	2.06	7.44	4.15	5.85	10.10	15.40	29.90

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Tenmile Creek	OK410300-03-0270M	Alk, mg/l	17	0	51.09	8.63	35.58	15.40	23.85	40.90	75.55	147.10
Tenmile Creek	OK410300-03-0270M	Ammonia, mg/l	17	0	0.09	0.04	0.15	0.00	0.00	0.02	0.10	0.55
Tenmile Creek	OK410300-03-0270M	Available-N, mg/l	17	0	0.26	0.05	0.20	0.03	0.09	0.22	0.38	0.73
Tenmile Creek	OK410300-03-0270M	Chloride, mg/l	17	0	7.32	1.14	4.69	1.00	2.50	7.00	11.25	16.50
Tenmile Creek	OK410300-03-0270M	Cond, mS/cm	16	1	115.58	9.07	36.26	39.30	87.83	116.25	135.38	180.30
Tenmile Creek	OK410300-03-0270M	DO, mg/l	17	0	6.07	0.83	3.42	0.53	3.09	5.59	9.20	10.76
Tenmile Creek	OK410300-03-0270M	DOpsat	17	0	59.89	6.88	28.35	6.31	33.50	65.31	85.90	94.64
Tenmile Creek	OK410300-03-0270M	Fecal col, cfu/100ml	13	4	1512.00	622.00	2244.00	100.00	100.00	400.00	2400.00	6100.00
Tenmile Creek	OK410300-03-0270M	Inst. Q, cfs	16	1	11.28	3.50	13.99	0.00	0.07	4.05	27.03	37.63
Tenmile Creek	OK410300-03-0270M	NitrateNitrite, mg/l	17	0	0.17	0.04	0.16	0.03	0.03	0.09	0.28	0.55
Tenmile Creek	OK410300-03-0270M	pH	16	1	7.16	0.22	0.87	5.75	6.68	7.01	7.69	9.06
Tenmile Creek	OK410300-03-0270M	Sulfate, mg/l	17	0	10.43	2.02	8.33	0.20	1.95	11.20	15.60	29.40
Tenmile Creek	OK410300-03-0270M	Temp, C	17	0	17.07	1.66	6.83	6.10	10.45	17.70	23.80	26.00
Tenmile Creek	OK410300-03-0270M	TKN, mg/l	17	0	0.52	0.10	0.43	0.09	0.19	0.48	0.66	1.82
Tenmile Creek	OK410300-03-0270M	Total o-P, mg/l	16	1	0.03	0.01	0.03	0.00	0.01	0.01	0.05	0.09
Tenmile Creek	OK410300-03-0270M	Total-N, mg/l	17	0	0.70	0.11	0.44	0.21	0.39	0.59	0.92	2.00
Tenmile Creek	OK410300-03-0270M	Total-P, mg/l	17	0	0.11	0.02	0.07	0.03	0.06	0.08	0.15	0.30
Tenmile Creek	OK410300-03-0270M	TSS, mg/l	17	0	16.16	3.02	12.43	1.00	7.25	14.50	22.00	41.70
Tenmile Creek	OK410300-03-0270M	Turb, NTU	17	0	36.46	4.44	18.32	12.80	24.55	32.10	47.25	90.00
Pine Creek	OK410300-03-0580C	Alk, mg/l	14	0	33.09	6.07	22.73	8.20	14.10	23.00	61.75	69.00
Pine Creek	OK410300-03-0580C	Ammonia, mg/l	14	0	0.02	0.01	0.03	0.00	0.00	0.01	0.03	0.11
Pine Creek	OK410300-03-0580C	Available-N, mg/l	14	0	0.11	0.03	0.10	0.02	0.04	0.08	0.14	0.42
Pine Creek	OK410300-03-0580C	Chloride, mg/l	14	0	6.14	0.67	2.49	2.50	4.88	5.75	7.35	12.00
Pine Creek	OK410300-03-0580C	Cond, mS/cm	13	1	77.10	5.71	20.58	41.30	62.60	74.70	98.80	109.00
Pine Creek	OK410300-03-0580C	DO, mg/l	14	0	7.57	0.54	2.00	4.03	6.13	7.72	9.64	10.65
Pine Creek	OK410300-03-0580C	DOpsat	14	0	81.75	3.68	13.77	51.64	72.88	85.68	93.22	96.62
Pine Creek	OK410300-03-0580C	Fecal col, cfu/100ml	10	4	88.00	8.54	27.00	20.00	90.00	100.00	100.00	100.00
Pine Creek	OK410300-03-0580C	Inst. Q, cfs	14	0	10.59	3.18	11.92	0.00	0.48	3.08	23.09	30.32
Pine Creek	OK410300-03-0580C	NitrateNitrite, mg/l	14	0	0.09	0.03	0.10	0.02	0.03	0.07	0.12	0.40
Pine Creek	OK410300-03-0580C	pH	13	1	7.30	0.23	0.82	6.16	6.54	7.09	8.02	8.49
Pine Creek	OK410300-03-0580C	Sulfate, mg/l	14	0	5.19	1.09	4.09	0.01	0.88	6.20	8.88	11.60
Pine Creek	OK410300-03-0580C	Temp, C	14	0	19.84	1.83	6.84	9.60	13.15	21.30	26.23	29.20
Pine Creek	OK410300-03-0580C	TKN, mg/l	14	0	0.20	0.03	0.10	0.04	0.12	0.19	0.27	0.38
Pine Creek	OK410300-03-0580C	Total o-P, mg/l	13	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Pine Creek	OK410300-03-0580C	Total-N, mg/l	14	0	0.29	0.03	0.12	0.06	0.21	0.28	0.40	0.54
Pine Creek	OK410300-03-0580C	Total-P, mg/l	14	0	0.02	0.00	0.01	0.00	0.01	0.02	0.03	0.04
Pine Creek	OK410300-03-0580C	TSS, mg/l	14	0	2.70	0.60	2.23	0.50	1.00	2.00	4.00	9.00
Pine Creek	OK410300-03-0580C	Turb, NTU	14	0	6.54	1.40	5.24	1.42	3.52	5.83	7.02	23.40
Dry Creek	OK410310-01-0070C	Alk, mg/l	19	0	26.27	2.60	11.35	10.90	17.70	24.00	31.00	51.00
Dry Creek	OK410310-01-0070C	Ammonia, mg/l	19	0	0.01	0.00	0.02	0.00	0.00	0.01	0.03	0.06
Dry Creek	OK410310-01-0070C	Available-N, mg/l	19	0	0.34	0.14	0.59	0.01	0.03	0.05	0.42	2.43
Dry Creek	OK410310-01-0070C	Chloride, mg/l	19	0	3.23	0.23	1.00	2.50	2.50	3.00	4.00	6.00
Dry Creek	OK410310-01-0070C	Cond, mS/cm	19	0	101.24	9.97	43.44	59.90	69.00	81.60	140.90	185.00
Dry Creek	OK410310-01-0070C	DO, mg/l	18	1	8.66	0.46	1.97	5.88	7.39	8.29	9.33	13.27
Dry Creek	OK410310-01-0070C	DOpsat	18	1	94.44	3.52	14.94	67.02	82.56	96.06	108.32	117.48
Dry Creek	OK410310-01-0070C	Fecal col, cfu/100ml	19	0	1257.00	1098.00	4786.00	20.00	100.00	100.00	100.00	21000.00
Dry Creek	OK410310-01-0070C	Inst. Q, cfs	17	2	4.42	1.45	5.98	0.00	0.03	3.33	6.08	24.48
Dry Creek	OK410310-01-0070C	NitrateNitrite, mg/l	19	0	0.32	0.14	0.59	0.00	0.03	0.03	0.42	2.40
Dry Creek	OK410310-01-0070C	pH	18	1	7.64	0.12	0.50	6.53	7.38	7.67	7.99	8.47
Dry Creek	OK410310-01-0070C	Sulfate, mg/l	19	0	13.75	1.93	8.42	6.80	8.90	11.00	14.70	39.20
Dry Creek	OK410310-01-0070C	Temp, C	19	0	19.43	1.86	8.11	5.70	11.90	21.10	26.40	30.40

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Dry Creek	OK410310-01-0070C	TKN, mg/l	19	0	0.17	0.04	0.16	0.03	0.06	0.14	0.20	0.68
Dry Creek	OK410310-01-0070C	Total o-P, mg/l	19	0	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.03
Dry Creek	OK410310-01-0070C	Total-N, mg/l	19	0	0.50	0.14	0.62	0.05	0.14	0.27	0.72	2.70
Dry Creek	OK410310-01-0070C	Total-P, mg/l	19	0	0.03	0.01	0.03	0.01	0.01	0.02	0.03	0.16
Dry Creek	OK410310-01-0070C	TSS, mg/l	19	0	4.42	2.03	8.86	1.00	1.00	2.00	3.00	40.00
Dry Creek	OK410310-01-0070C	Turb, NTU	19	0	11.45	3.11	13.54	2.11	3.95	5.80	12.00	51.10
Bolen Creek	OK410310-03-0090G	Alk, mg/l	18	0	33.00	6.06	25.73	9.60	12.20	22.45	47.70	94.00
Bolen Creek	OK410310-03-0090G	Ammonia, mg/l	18	0	0.02	0.01	0.03	0.00	0.01	0.01	0.03	0.11
Bolen Creek	OK410310-03-0090G	Available-N, mg/l	18	0	0.11	0.04	0.16	0.01	0.03	0.07	0.10	0.68
Bolen Creek	OK410310-03-0090G	Chloride, mg/l	18	0	7.45	0.87	3.68	2.50	5.00	6.95	10.10	15.00
Bolen Creek	OK410310-03-0090G	Cond, mS/cm	18	0	134.10	21.40	90.60	51.00	70.50	89.00	196.10	372.90
Bolen Creek	OK410310-03-0090G	DO, mg/l	17	1	7.78	0.60	2.49	4.65	5.78	8.15	8.72	13.47
Bolen Creek	OK410310-03-0090G	DOpsat	17	1	84.62	4.94	20.36	46.81	65.39	85.97	102.68	114.14
Bolen Creek	OK410310-03-0090G	Fecal col, cfu/100ml	17	1	1915.00	1264.00	5214.00	90.00	100.00	100.00	500.00	21000.00
Bolen Creek	OK410310-03-0090G	Inst. Q, cfs	18	0	3.21	1.14	4.82	0.00	0.00	0.40	5.00	17.01
Bolen Creek	OK410310-03-0090G	NitrateNitrite, mg/l	18	0	0.09	0.04	0.15	0.00	0.02	0.03	0.08	0.65
Bolen Creek	OK410310-03-0090G	pH	17	1	7.43	0.22	0.92	6.34	6.67	7.37	7.94	10.10
Bolen Creek	OK410310-03-0090G	Sulfate, mg/l	18	0	14.55	1.95	8.27	4.60	9.89	12.15	18.00	35.80
Bolen Creek	OK410310-03-0090G	Temp, C	18	0	19.16	1.69	7.17	7.00	11.80	20.25	25.68	29.30
Bolen Creek	OK410310-03-0090G	TKN, mg/l	18	0	0.43	0.09	0.38	0.03	0.14	0.33	0.80	1.33
Bolen Creek	OK410310-03-0090G	Total o-P, mg/l	18	0	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.05
Bolen Creek	OK410310-03-0090G	Total-N, mg/l	18	0	0.52	0.09	0.38	0.09	0.25	0.36	0.82	1.41
Bolen Creek	OK410310-03-0090G	Total-P, mg/l	18	0	0.06	0.01	0.05	0.01	0.03	0.04	0.07	0.20
Bolen Creek	OK410310-03-0090G	TSS, mg/l	18	0	12.69	2.26	9.58	1.00	4.75	9.00	21.25	30.50
Bolen Creek	OK410310-03-0090G	Turb, NTU	18	0	25.86	3.84	16.28	9.65	15.15	19.45	36.70	64.60
Eastman Creek	OK410700-00-0230D	Alk, mg/l	20	0	90.55	2.21	9.90	69.00	88.13	91.20	95.83	110.00
Eastman Creek	OK410700-00-0230D	Ammonia, mg/l	20	0	0.03	0.01	0.04	0.00	0.00	0.02	0.05	0.12
Eastman Creek	OK410700-00-0230D	Available-N, mg/l	20	0	0.69	0.04	0.18	0.36	0.54	0.68	0.82	1.06
Eastman Creek	OK410700-00-0230D	Chloride, mg/l	20	0	21.52	1.66	7.42	6.30	15.63	24.00	27.93	30.00
Eastman Creek	OK410700-00-0230D	Cond, mS/cm	19	1	299.61	9.71	42.31	183.00	271.00	301.30	332.40	357.00
Eastman Creek	OK410700-00-0230D	DO, mg/l	20	0	9.83	0.31	1.40	6.51	9.04	9.98	11.02	12.13
Eastman Creek	OK410700-00-0230D	DOpsat	20	0	105.96	3.73	16.66	73.26	92.27	106.96	119.21	140.46
Eastman Creek	OK410700-00-0230D	Fecal col, cfu/100ml	20	0	717.00	268.00	1200.00	20.00	100.00	200.00	650.00	4400.00
Eastman Creek	OK410700-00-0230D	Inst. Q, cfs	19	1	1.68	0.24	1.05	0.27	0.77	1.69	2.47	3.74
Eastman Creek	OK410700-00-0230D	NitrateNitrite, mg/l	20	0	0.66	0.04	0.18	0.36	0.52	0.66	0.75	1.06
Eastman Creek	OK410700-00-0230D	pH	18	2	7.93	0.09	0.37	7.05	7.78	7.92	8.23	8.51
Eastman Creek	OK410700-00-0230D	Sulfate, mg/l	20	0	20.19	3.56	15.94	0.25	10.60	17.20	23.13	74.10
Eastman Creek	OK410700-00-0230D	Temp, C	20	0	18.68	1.67	7.46	8.30	10.85	20.05	25.85	28.20
Eastman Creek	OK410700-00-0230D	TKN, mg/l	20	0	0.26	0.04	0.20	0.03	0.08	0.18	0.47	0.60
Eastman Creek	OK410700-00-0230D	Total o-P, mg/l	19	1	0.03	0.00	0.02	0.01	0.02	0.03	0.04	0.09
Eastman Creek	OK410700-00-0230D	Total-N, mg/l	20	0	0.92	0.06	0.27	0.47	0.76	0.84	1.13	1.58
Eastman Creek	OK410700-00-0230D	Total-P, mg/l	20	0	0.11	0.04	0.17	0.02	0.05	0.07	0.10	0.83
Eastman Creek	OK410700-00-0230D	TSS, mg/l	20	0	21.58	7.21	32.22	1.00	4.25	10.65	22.43	130.00
Eastman Creek	OK410700-00-0230D	Turb, NTU	19	1	42.60	14.90	65.10	1.97	5.22	14.30	39.00	207.00
Wewoka Creek	OK520500-02-0010E	Alk, mg/l	14	1	122.36	6.93	25.92	78.00	99.50	131.00	143.25	164.00
Wewoka Creek	OK520500-02-0010E	Ammonia, mg/l	14	1	0.04	0.01	0.04	0.01	0.02	0.03	0.08	0.11
Wewoka Creek	OK520500-02-0010E	Available-N, mg/l	15	0	0.34	0.08	0.29	0.05	0.12	0.23	0.46	1.05
Wewoka Creek	OK520500-02-0010E	Chloride, mg/l	15	0	262.00	43.00	166.50	70.00	130.00	234.00	297.00	650.00
Wewoka Creek	OK520500-02-0010E	Cond, mS/cm	15	0	1070.00	138.00	535.00	327.00	594.00	1107.00	1405.00	2430.00
Wewoka Creek	OK520500-02-0010E	DO, mg/l	15	0	10.05	0.58	2.25	7.05	8.01	9.80	11.74	15.24
Wewoka Creek	OK520500-02-0010E	DOpsat	15	0	111.97	5.81	22.50	72.80	101.10	106.47	119.60	168.98

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Wewoka Creek	OK520500-02-0010E	Fecal col, cfu/100ml	13	2	485.00	229.00	825.00	10.00	100.00	200.00	400.00	3000.00
Wewoka Creek	OK520500-02-0010E	Inst. Q, cfs	13	2	22.35	6.55	23.61	0.49	4.75	13.27	38.09	67.37
Wewoka Creek	OK520500-02-0010E	NitrateNitrite, mg/l	15	0	0.30	0.07	0.29	0.01	0.03	0.20	0.44	1.03
Wewoka Creek	OK520500-02-0010E	pH	12	3	7.99	0.18	0.62	6.98	7.35	8.21	8.40	8.82
Wewoka Creek	OK520500-02-0010E	Sulfate, mg/l	15	0	30.22	4.97	19.25	1.00	18.50	29.20	45.40	72.20
Wewoka Creek	OK520500-02-0010E	Temp, C	15	0	20.49	2.55	9.86	3.20	11.50	21.10	31.50	33.10
Wewoka Creek	OK520500-02-0010E	TKN, mg/l	15	0	0.84	0.16	0.62	0.20	0.46	0.72	1.00	2.86
Wewoka Creek	OK520500-02-0010E	Total o-P, mg/l	15	0	0.04	0.01	0.04	0.00	0.01	0.05	0.06	0.13
Wewoka Creek	OK520500-02-0010E	Total-N, mg/l	15	0	1.14	0.18	0.70	0.23	0.62	1.16	1.53	3.06
Wewoka Creek	OK520500-02-0010E	Total-P, mg/l	15	0	0.32	0.17	0.66	0.05	0.10	0.13	0.22	2.70
Wewoka Creek	OK520500-02-0010E	TSS, mg/l	15	0	75.90	16.10	62.30	6.00	21.00	67.50	130.00	208.00
Wewoka Creek	OK520500-02-0010E	Turb, NTU	15	0	82.00	19.90	76.90	12.30	20.30	56.40	105.00	280.00
Wewoka Creek	OK520500-02-0010T	Alk, mg/l	14	0	177.00	14.00	52.20	89.00	145.50	162.50	225.00	265.00
Wewoka Creek	OK520500-02-0010T	Ammonia, mg/l	13	1	0.09	0.03	0.10	0.01	0.03	0.06	0.13	0.37
Wewoka Creek	OK520500-02-0010T	Available-N, mg/l	14	0	2.88	0.75	2.80	0.31	0.97	1.66	4.34	8.64
Wewoka Creek	OK520500-02-0010T	Chloride, mg/l	14	0	429.90	82.00	306.90	2.50	252.00	337.00	553.50	1100.00
Wewoka Creek	OK520500-02-0010T	Cond, mS/cm	14	0	1676.00	253.00	946.00	2.00	1139.00	1437.00	1976.00	3650.00
Wewoka Creek	OK520500-02-0010T	DO, mg/l	14	0	14.79	0.67	2.52	11.34	12.75	14.16	17.21	18.94
Wewoka Creek	OK520500-02-0010T	DOpsat	14	0	164.70	11.40	42.60	98.50	128.20	167.80	198.60	232.60
Wewoka Creek	OK520500-02-0010T	Fecal col, cfu/100ml	13	1	601.00	378.00	1363.00	10.00	100.00	100.00	300.00	5000.00
Wewoka Creek	OK520500-02-0010T	Inst. Q, cfs	14	0	8.83	2.54	9.50	0.57	2.04	5.58	15.02	36.22
Wewoka Creek	OK520500-02-0010T	NitrateNitrite, mg/l	14	0	2.79	0.75	2.80	0.28	0.87	1.46	4.32	8.48
Wewoka Creek	OK520500-02-0010T	pH	11	3	8.55	0.19	0.64	7.24	8.25	8.40	9.10	9.52
Wewoka Creek	OK520500-02-0010T	Sulfate, mg/l	14	0	49.62	6.93	25.92	17.60	27.38	42.25	73.98	99.60
Wewoka Creek	OK520500-02-0010T	Temp, C	14	0	19.21	2.78	10.40	3.60	10.43	19.40	29.60	34.30
Wewoka Creek	OK520500-02-0010T	TKN, mg/l	14	0	1.24	0.16	0.61	0.45	0.83	0.97	1.72	2.67
Wewoka Creek	OK520500-02-0010T	Total o-P, mg/l	14	0	0.56	0.14	0.53	0.12	0.16	0.33	1.03	1.68
Wewoka Creek	OK520500-02-0010T	Total-N, mg/l	14	0	4.04	0.90	3.37	0.78	1.70	2.58	6.04	11.15
Wewoka Creek	OK520500-02-0010T	Total-P, mg/l	14	0	0.90	0.21	0.78	0.20	0.26	0.52	1.50	2.46
Wewoka Creek	OK520500-02-0010T	TSS, mg/l	14	0	30.59	6.52	24.40	14.00	17.88	21.25	35.50	104.00
Wewoka Creek	OK520500-02-0010T	Turb, NTU	14	0	24.10	6.36	23.78	7.29	11.28	14.20	25.85	86.40
Turkey Creek	OK520510-00-0100E	Alk, mg/l	18	0	190.60	12.00	50.90	96.00	158.30	184.00	216.00	334.00
Turkey Creek	OK520510-00-0100E	Ammonia, mg/l	17	1	0.02	0.01	0.02	0.00	0.00	0.02	0.03	0.08
Turkey Creek	OK520510-00-0100E	Available-N, mg/l	18	0	0.13	0.02	0.08	0.03	0.07	0.14	0.16	0.30
Turkey Creek	OK520510-00-0100E	Chloride, mg/l	18	0	1085.00	181.00	769.00	300.00	437.00	816.00	1657.00	2682.00
Turkey Creek	OK520510-00-0100E	Cond, mS/cm	18	0	1449.00	436.00	1849.00	2.08	195.00	857.00	1858.00	6860.00
Turkey Creek	OK520510-00-0100E	DO, mg/l	18	0	9.69	0.47	1.97	6.45	8.51	9.34	10.99	13.26
Turkey Creek	OK520510-00-0100E	DOpsat	18	0	104.86	4.43	18.79	68.74	93.29	103.59	123.44	127.94
Turkey Creek	OK520510-00-0100E	Fecal col, cfu/100ml	17	1	194.70	62.50	257.60	50.00	100.00	100.00	100.00	1000.00
Turkey Creek	OK520510-00-0100E	Inst. Q, cfs	17	1	4.05	1.53	6.31	0.00	0.00	0.98	5.52	23.16
Turkey Creek	OK520510-00-0100E	NitrateNitrite, mg/l	18	0	0.11	0.02	0.09	0.00	0.03	0.12	0.16	0.29
Turkey Creek	OK520510-00-0100E	pH	14	4	7.77	0.22	0.81	6.01	7.71	8.10	8.19	8.45
Turkey Creek	OK520510-00-0100E	Sulfate, mg/l	18	0	31.04	3.19	13.52	8.40	23.70	32.75	36.63	69.50
Turkey Creek	OK520510-00-0100E	Temp, C	18	0	18.63	2.16	9.16	2.20	9.23	20.10	26.98	29.30
Turkey Creek	OK520510-00-0100E	TKN, mg/l	18	0	0.55	0.08	0.36	0.03	0.30	0.46	0.88	1.36
Turkey Creek	OK520510-00-0100E	Total o-P, mg/l	18	0	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.05
Turkey Creek	OK520510-00-0100E	Total-N, mg/l	18	0	0.67	0.09	0.38	0.11	0.34	0.57	0.96	1.48
Turkey Creek	OK520510-00-0100E	Total-P, mg/l	18	0	0.07	0.01	0.05	0.02	0.04	0.06	0.08	0.23
Turkey Creek	OK520510-00-0100E	TSS, mg/l	17	1	22.47	5.43	22.37	2.00	7.75	16.00	35.00	96.00
Turkey Creek	OK520510-00-0100E	Turb, NTU	18	0	20.29	7.78	32.99	3.25	5.87	7.94	25.75	146.00
Factory Creek	OK520600-01-0060P	Alk, mg/l	21	0	227.40	11.30	51.80	74.00	188.50	241.00	258.50	303.00

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Factory Creek	OK520600-01-0060P	Ammonia, mg/l	21	0	0.02	0.00	0.02	0.00	0.00	0.02	0.03	0.08
Factory Creek	OK520600-01-0060P	Available-N, mg/l	21	0	0.08	0.02	0.08	0.01	0.05	0.06	0.09	0.40
Factory Creek	OK520600-01-0060P	Chloride, mg/l	21	0	43.65	5.05	23.14	12.70	26.50	39.00	52.20	110.00
Factory Creek	OK520600-01-0060P	Cond, mS/cm	20	1	622.30	43.60	194.90	238.50	466.60	682.00	774.30	957.00
Factory Creek	OK520600-01-0060P	DO, mg/l	20	1	7.63	0.52	2.34	4.40	5.56	7.16	9.21	12.81
Factory Creek	OK520600-01-0060P	DOpsat	20	1	79.55	4.29	19.19	48.01	61.28	82.71	95.69	114.11
Factory Creek	OK520600-01-0060P	Fecal col, cfu/100ml	21	0	1591.00	738.00	3381.00	30.00	100.00	300.00	1450.00	15200.00
Factory Creek	OK520600-01-0060P	Inst. Q, cfs	21	0	0.53	0.16	0.71	0.00	0.04	0.18	0.99	2.58
Factory Creek	OK520600-01-0060P	NitrateNitrite, mg/l	21	0	0.06	0.02	0.08	0.01	0.02	0.05	0.07	0.37
Factory Creek	OK520600-01-0060P	pH	19	2	7.78	0.05	0.21	7.32	7.72	7.79	7.92	8.15
Factory Creek	OK520600-01-0060P	Sulfate, mg/l	21	0	25.28	2.03	9.32	5.85	19.60	27.70	32.20	40.60
Factory Creek	OK520600-01-0060P	Temp, C	21	0	16.80	1.66	7.60	3.30	9.00	18.30	22.90	29.10
Factory Creek	OK520600-01-0060P	TKN, mg/l	21	0	0.24	0.03	0.15	0.03	0.13	0.21	0.36	0.57
Factory Creek	OK520600-01-0060P	Total o-P, mg/l	20	1	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.03
Factory Creek	OK520600-01-0060P	Total-N, mg/l	21	0	0.31	0.04	0.20	0.05	0.18	0.24	0.40	0.90
Factory Creek	OK520600-01-0060P	Total-P, mg/l	21	0	0.03	0.00	0.02	0.00	0.02	0.02	0.04	0.09
Factory Creek	OK520600-01-0060P	TSS, mg/l	21	0	5.33	1.06	4.86	1.00	1.00	4.00	9.00	20.00
Factory Creek	OK520600-01-0060P	Turb, NTU	21	0	7.93	2.16	9.92	1.34	2.30	4.39	10.44	45.20
Julian Creek	OK520600-02-0170B	Alk, mg/l	19	0	206.47	8.67	37.81	136.00	178.00	214.00	242.00	272.00
Julian Creek	OK520600-02-0170B	Ammonia, mg/l	19	0	0.02	0.00	0.02	0.00	0.01	0.03	0.03	0.09
Julian Creek	OK520600-02-0170B	Available-N, mg/l	19	0	0.22	0.07	0.30	0.05	0.07	0.10	0.26	1.28
Julian Creek	OK520600-02-0170B	Chloride, mg/l	19	0	325.40	23.70	103.30	140.00	241.00	325.00	405.00	557.00
Julian Creek	OK520600-02-0170B	Cond, mS/cm	18	1	1212.00	133.00	564.00	2.16	783.00	1255.00	1667.00	2062.00
Julian Creek	OK520600-02-0170B	DO, mg/l	18	1	9.10	0.74	3.13	5.41	7.06	8.75	9.93	20.00
Julian Creek	OK520600-02-0170B	DOpsat	18	1	110.05	9.49	40.24	72.59	91.30	99.64	115.66	256.11
Julian Creek	OK520600-02-0170B	Fecal col, cfu/100ml	19	0	2829.00	2085.00	9089.00	10.00	100.00	200.00	1200.00	40000.00
Julian Creek	OK520600-02-0170B	Inst. Q, cfs	19	0	1.34	0.27	1.19	0.00	0.41	0.94	1.80	3.76
Julian Creek	OK520600-02-0170B	NitrateNitrite, mg/l	19	0	0.20	0.07	0.30	0.03	0.05	0.07	0.23	1.27
Julian Creek	OK520600-02-0170B	pH	18	1	8.11	0.08	0.34	7.01	8.01	8.11	8.24	8.74
Julian Creek	OK520600-02-0170B	Sulfate, mg/l	19	0	21.33	2.01	8.78	1.00	16.50	24.90	28.10	30.20
Julian Creek	OK520600-02-0170B	Temp, C	19	0	23.49	2.06	8.97	9.80	15.10	22.40	31.60	36.30
Julian Creek	OK520600-02-0170B	TKN, mg/l	19	0	0.33	0.05	0.20	0.05	0.14	0.26	0.48	0.74
Julian Creek	OK520600-02-0170B	Total o-P, mg/l	18	1	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.03
Julian Creek	OK520600-02-0170B	Total-N, mg/l	19	0	0.53	0.10	0.42	0.11	0.23	0.33	0.79	1.73
Julian Creek	OK520600-02-0170B	Total-P, mg/l	19	0	0.04	0.01	0.03	0.01	0.02	0.04	0.06	0.16
Julian Creek	OK520600-02-0170B	TSS, mg/l	19	0	11.44	2.67	11.65	1.00	3.00	9.00	16.00	45.30
Julian Creek	OK520600-02-0170B	Turb, NTU	19	0	12.28	3.04	13.27	1.08	2.60	4.33	21.20	45.90
Spring Brook Creek	OK520600-03-0030E	Alk, mg/l	11	1	239.00	20.60	68.20	129.00	168.00	243.00	296.00	350.00
Spring Brook Creek	OK520600-03-0030E	Ammonia, mg/l	12	0	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.03
Spring Brook Creek	OK520600-03-0030E	Available-N, mg/l	12	0	0.10	0.03	0.09	0.03	0.06	0.08	0.10	0.37
Spring Brook Creek	OK520600-03-0030E	Chloride, mg/l	12	0	67.53	5.77	19.99	32.00	54.00	63.50	89.75	97.80
Spring Brook Creek	OK520600-03-0030E	Cond, mS/cm	11	1	648.70	73.80	244.90	214.50	489.80	788.00	856.00	905.00
Spring Brook Creek	OK520600-03-0030E	DO, mg/l	11	1	8.08	0.84	2.78	1.27	7.37	8.50	10.03	11.19
Spring Brook Creek	OK520600-03-0030E	DOpsat	11	1	85.89	8.08	26.79	11.93	79.86	94.24	99.75	109.03
Spring Brook Creek	OK520600-03-0030E	Fecal col, cfu/100ml	12	0	2278.00	1717.00	5949.00	100.00	100.00	300.00	950.00	21000.00
Spring Brook Creek	OK520600-03-0030E	Inst. Q, cfs	12	0	4.50	1.16	4.01	0.01	1.26	3.64	7.02	13.76
Spring Brook Creek	OK520600-03-0030E	NitrateNitrite, mg/l	12	0	0.09	0.03	0.09	0.01	0.05	0.08	0.09	0.37
Spring Brook Creek	OK520600-03-0030E	pH	12	0	8.04	0.09	0.31	7.26	7.88	8.19	8.23	8.34
Spring Brook Creek	OK520600-03-0030E	Sulfate, mg/l	12	0	18.78	3.14	10.89	4.67	6.84	20.95	26.95	37.20
Spring Brook Creek	OK520600-03-0030E	Temp, C	12	0	16.73	2.35	8.15	6.20	9.48	16.50	23.95	30.50
Spring Brook Creek	OK520600-03-0030E	TKN, mg/l	12	0	0.48	0.11	0.38	0.15	0.23	0.33	0.75	1.44

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Spring Brook Creek	OK520600-03-0030E	Total o-P, mg/l	11	1	0.04	0.01	0.04	0.01	0.02	0.03	0.05	0.14
Spring Brook Creek	OK520600-03-0030E	Total-N, mg/l	12	0	0.58	0.12	0.40	0.24	0.26	0.39	0.87	1.53
Spring Brook Creek	OK520600-03-0030E	Total-P, mg/l	12	0	0.13	0.04	0.13	0.04	0.05	0.07	0.16	0.48
Spring Brook Creek	OK520600-03-0030E	TSS, mg/l	12	0	22.14	6.84	23.68	1.00	5.75	10.25	31.75	73.50
Spring Brook Creek	OK520600-03-0030E	Turb, NTU	12	0	23.27	7.94	27.51	4.34	5.32	7.89	47.00	75.20
Willow Creek	OK520610-01-0080G	Alk, mg/l	20	0	214.80	11.60	52.10	89.00	200.00	230.00	250.50	275.00
Willow Creek	OK520610-01-0080G	Ammonia, mg/l	20	0	0.04	0.01	0.04	0.00	0.01	0.03	0.06	0.15
Willow Creek	OK520610-01-0080G	Available-N, mg/l	20	0	2.41	0.26	1.16	0.05	1.86	2.65	3.14	4.25
Willow Creek	OK520610-01-0080G	Chloride, mg/l	20	0	14.74	1.05	4.68	2.50	11.10	15.50	17.75	22.00
Willow Creek	OK520610-01-0080G	Cond, mS/cm	19	1	530.50	23.80	103.60	302.30	542.00	554.00	587.00	674.00
Willow Creek	OK520610-01-0080G	DO, mg/l	19	1	9.77	0.45	1.97	6.57	8.42	9.32	10.63	14.96
Willow Creek	OK520610-01-0080G	DOpsat	19	1	112.19	7.05	30.73	75.24	97.98	103.02	120.24	217.04
Willow Creek	OK520610-01-0080G	Fecal col, cfu/100ml	19	1	3413.00	2095.00	9132.00	10.00	300.00	680.00	1300.00	40000.00
Willow Creek	OK520610-01-0080G	Inst. Q, cfs	19	1	2.95	0.45	1.95	0.44	1.31	2.35	4.88	6.74
Willow Creek	OK520610-01-0080G	NitrateNitrite, mg/l	20	0	2.36	0.26	1.16	0.03	1.83	2.62	3.12	4.15
Willow Creek	OK520610-01-0080G	pH	18	2	8.19	0.07	0.28	7.66	8.03	8.22	8.34	8.80
Willow Creek	OK520610-01-0080G	Sulfate, mg/l	20	0	26.59	1.67	7.48	0.50	24.08	28.15	31.00	36.60
Willow Creek	OK520610-01-0080G	Temp, C	20	0	20.20	1.80	8.04	8.00	12.78	17.90	27.93	33.90
Willow Creek	OK520610-01-0080G	TKN, mg/l	20	0	0.63	0.08	0.37	0.15	0.43	0.53	0.66	1.47
Willow Creek	OK520610-01-0080G	Total o-P, mg/l	19	1	0.08	0.01	0.06	0.01	0.03	0.07	0.10	0.31
Willow Creek	OK520610-01-0080G	Total-N, mg/l	20	0	2.99	0.24	1.07	0.46	2.50	3.09	3.64	4.79
Willow Creek	OK520610-01-0080G	Total-P, mg/l	20	0	0.14	0.02	0.10	0.05	0.08	0.12	0.15	0.53
Willow Creek	OK520610-01-0080G	TSS, mg/l	20	0	15.38	4.53	20.26	1.00	2.50	7.50	15.63	74.00
Willow Creek	OK520610-01-0080G	Turb, NTU	20	0	17.34	5.77	25.79	1.94	3.58	6.38	14.75	91.80
Captain Creek	OK520700-05-0140C	Alk, mg/l	19	0	225.30	14.10	61.50	111.00	182.00	246.00	275.00	306.00
Captain Creek	OK520700-05-0140C	Ammonia, mg/l	18	1	0.02	0.01	0.02	0.00	0.00	0.02	0.03	0.10
Captain Creek	OK520700-05-0140C	Available-N, mg/l	19	0	0.08	0.02	0.07	0.00	0.04	0.08	0.10	0.31
Captain Creek	OK520700-05-0140C	Chloride, mg/l	19	0	24.85	0.91	3.98	16.20	21.50	25.00	27.60	31.90
Captain Creek	OK520700-05-0140C	Cond, mS/cm	19	0	599.10	17.80	77.80	344.00	584.00	602.00	627.00	733.00
Captain Creek	OK520700-05-0140C	DO, mg/l	19	0	9.70	0.56	2.44	5.97	7.46	9.46	11.88	14.67
Captain Creek	OK520700-05-0140C	DOpsat	18	1	94.11	2.11	8.96	73.33	89.35	92.92	100.16	109.81
Captain Creek	OK520700-05-0140C	Fecal col, cfu/100ml	18	1	292.80	55.50	235.40	100.00	107.50	200.00	400.00	900.00
Captain Creek	OK520700-05-0140C	Inst. Q, cfs	19	0	6.92	1.26	5.49	0.65	1.40	6.22	10.64	18.47
Captain Creek	OK520700-05-0140C	NitrateNitrite, mg/l	19	0	0.06	0.02	0.07	0.00	0.03	0.05	0.10	0.31
Captain Creek	OK520700-05-0140C	pH	14	5	8.22	0.11	0.39	7.14	7.98	8.38	8.45	8.63
Captain Creek	OK520700-05-0140C	Sulfate, mg/l	19	0	16.65	1.00	4.35	7.20	14.90	16.50	18.60	27.90
Captain Creek	OK520700-05-0140C	Temp, C	18	1	13.90	1.90	8.07	2.00	6.58	12.65	22.58	25.10
Captain Creek	OK520700-05-0140C	TKN, mg/l	19	0	0.20	0.04	0.16	0.03	0.09	0.16	0.28	0.69
Captain Creek	OK520700-05-0140C	Total o-P, mg/l	19	0	0.01	0.00	0.01	0.00	0.00	0.01	0.01	0.05
Captain Creek	OK520700-05-0140C	Total-N, mg/l	19	0	0.26	0.04	0.16	0.08	0.14	0.22	0.32	0.78
Captain Creek	OK520700-05-0140C	Total-P, mg/l	19	0	0.04	0.01	0.03	0.01	0.02	0.03	0.06	0.11
Captain Creek	OK520700-05-0140C	TSS, mg/l	18	1	19.97	3.24	13.73	2.00	9.88	16.50	28.38	56.50
Captain Creek	OK520700-05-0140C	Turb, NTU	19	0	24.11	4.25	18.52	8.75	11.20	16.70	28.80	78.80
Opossum Creek	OK520700-05-0200C	Alk, mg/l	18	0	290.80	20.80	88.00	141.00	211.30	309.00	361.80	424.00
Opossum Creek	OK520700-05-0200C	Ammonia, mg/l	17	1	0.03	0.01	0.04	0.00	0.00	0.03	0.04	0.15
Opossum Creek	OK520700-05-0200C	Available-N, mg/l	18	0	0.07	0.01	0.06	0.00	0.03	0.05	0.10	0.23
Opossum Creek	OK520700-05-0200C	Chloride, mg/l	18	0	92.50	18.00	76.50	14.20	51.50	65.50	89.50	311.00
Opossum Creek	OK520700-05-0200C	Cond, mS/cm	18	0	968.70	79.00	335.10	530.00	742.50	881.00	1134.80	1769.00
Opossum Creek	OK520700-05-0200C	DO, mg/l	18	0	8.42	0.74	3.14	3.65	6.39	7.43	10.49	14.78
Opossum Creek	OK520700-05-0200C	DOpsat	18	0	80.90	4.29	18.19	44.90	67.34	78.16	88.56	114.23
Opossum Creek	OK520700-05-0200C	Fecal col, cfu/100ml	17	1	301.80	69.50	286.70	40.00	100.00	200.00	450.00	1200.00

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Opossum Creek	OK520700-05-0200C	Inst. Q, cfs	18	0	1.92	0.44	1.85	0.00	0.33	1.19	2.89	5.95
Opossum Creek	OK520700-05-0200C	NitrateNitrite, mg/l	18	0	0.04	0.01	0.04	0.00	0.01	0.03	0.05	0.18
Opossum Creek	OK520700-05-0200C	pH	13	5	8.17	0.07	0.25	7.61	8.01	8.18	8.34	8.55
Opossum Creek	OK520700-05-0200C	Sulfate, mg/l	18	0	13.41	1.85	7.85	0.17	6.74	15.45	19.35	24.40
Opossum Creek	OK520700-05-0200C	Temp, C	18	0	14.68	1.85	7.85	2.40	6.90	13.75	22.88	25.40
Opossum Creek	OK520700-05-0200C	TKN, mg/l	18	0	0.35	0.06	0.24	0.03	0.20	0.34	0.42	0.91
Opossum Creek	OK520700-05-0200C	Total o-P, mg/l	18	0	0.02	0.01	0.03	0.00	0.01	0.01	0.03	0.11
Opossum Creek	OK520700-05-0200C	Total-N, mg/l	18	0	0.38	0.06	0.25	0.08	0.23	0.37	0.43	1.09
Opossum Creek	OK520700-05-0200C	Total-P, mg/l	18	0	0.08	0.01	0.06	0.02	0.04	0.07	0.10	0.29
Opossum Creek	OK520700-05-0200C	TSS, mg/l	17	1	36.62	8.55	35.23	1.00	11.75	30.50	51.25	150.00
Opossum Creek	OK520700-05-0200C	Turb, NTU	18	0	39.62	9.72	41.24	7.26	14.13	28.50	50.30	184.00
Little Deep Fork	OK520700-06-0130T	Alk, mg/l	17	1	105.59	6.97	28.74	39.00	90.50	99.00	122.50	175.00
Little Deep Fork	OK520700-06-0130T	Ammonia, mg/l	18	0	0.04	0.01	0.04	0.00	0.01	0.03	0.05	0.14
Little Deep Fork	OK520700-06-0130T	Available-N, mg/l	18	0	0.25	0.03	0.14	0.01	0.13	0.28	0.32	0.53
Little Deep Fork	OK520700-06-0130T	Chloride, mg/l	18	0	50.43	7.76	32.94	2.50	16.98	53.05	79.63	115.00
Little Deep Fork	OK520700-06-0130T	Cond, mS/cm	18	0	413.80	29.90	126.80	150.30	283.00	453.50	510.50	588.00
Little Deep Fork	OK520700-06-0130T	DO, mg/l	18	0	9.00	0.48	2.05	6.35	7.25	8.55	11.06	12.39
Little Deep Fork	OK520700-06-0130T	DOpsat	18	0	91.46	2.62	11.12	76.37	81.74	91.89	100.39	118.26
Little Deep Fork	OK520700-06-0130T	Fecal col, cfu/100ml	17	1	1106.00	519.00	2140.00	40.00	200.00	300.00	600.00	8500.00
Little Deep Fork	OK520700-06-0130T	Inst. Q, cfs	17	1	9.21	2.38	9.81	0.00	0.53	5.12	14.59	29.71
Little Deep Fork	OK520700-06-0130T	NitrateNitrite, mg/l	18	0	0.21	0.03	0.14	0.00	0.11	0.20	0.27	0.53
Little Deep Fork	OK520700-06-0130T	pH	14	4	7.81	0.08	0.30	7.30	7.55	7.89	8.03	8.28
Little Deep Fork	OK520700-06-0130T	Sulfate, mg/l	18	0	10.36	2.32	9.83	1.00	2.49	5.60	17.80	34.50
Little Deep Fork	OK520700-06-0130T	Temp, C	18	0	16.36	1.93	8.19	3.80	7.43	16.05	23.73	29.10
Little Deep Fork	OK520700-06-0130T	TKN, mg/l	18	0	0.51	0.04	0.17	0.27	0.36	0.49	0.63	0.87
Little Deep Fork	OK520700-06-0130T	Total o-P, mg/l	18	0	0.02	0.00	0.01	0.00	0.00	0.01	0.03	0.05
Little Deep Fork	OK520700-06-0130T	Total-N, mg/l	18	0	0.72	0.04	0.19	0.36	0.58	0.74	0.81	1.10
Little Deep Fork	OK520700-06-0130T	Total-P, mg/l	18	0	0.07	0.01	0.04	0.03	0.05	0.06	0.10	0.20
Little Deep Fork	OK520700-06-0130T	TSS, mg/l	17	1	27.36	7.60	31.35	6.00	10.00	14.10	34.00	124.00
Little Deep Fork	OK520700-06-0130T	Turb, NTU	18	0	36.16	9.49	40.27	6.36	12.93	18.45	49.40	150.00
Deep Fork River: Eastern	OK520710-02-0060G	Alk, mg/l	19	0	191.20	15.30	66.60	81.00	147.00	182.00	211.00	340.00
Deep Fork River: Eastern	OK520710-02-0060G	Ammonia, mg/l	18	1	0.08	0.05	0.21	0.00	0.01	0.03	0.06	0.92
Deep Fork River: Eastern	OK520710-02-0060G	Available-N, mg/l	19	0	0.76	0.14	0.61	0.05	0.19	0.61	1.12	2.07
Deep Fork River: Eastern	OK520710-02-0060G	Chloride, mg/l	19	0	76.56	9.02	39.30	11.50	39.10	88.00	102.00	143.00
Deep Fork River: Eastern	OK520710-02-0060G	Cond, mS/cm	19	0	799.50	62.10	270.70	295.00	584.00	826.00	991.00	1284.00
Deep Fork River: Eastern	OK520710-02-0060G	DO, mg/l	19	0	8.96	0.44	1.90	6.49	7.21	8.73	10.43	13.03
Deep Fork River: Eastern	OK520710-02-0060G	DOpsat	19	0	94.91	2.64	11.49	77.70	85.66	93.86	102.88	117.38
Deep Fork River: Eastern	OK520710-02-0060G	Fecal col, cfu/100ml	18	1	1049.00	580.00	2463.00	10.00	100.00	100.00	275.00	8000.00
Deep Fork River: Eastern	OK520710-02-0060G	Inst. Q, cfs	19	0	4.16	0.59	2.56	1.66	2.45	3.32	4.95	11.07
Deep Fork River: Eastern	OK520710-02-0060G	NitrateNitrite, mg/l	19	0	0.68	0.13	0.56	0.03	0.19	0.54	0.92	2.04
Deep Fork River: Eastern	OK520710-02-0060G	pH	14	5	8.05	0.12	0.45	6.93	7.84	8.05	8.39	8.71
Deep Fork River: Eastern	OK520710-02-0060G	Sulfate, mg/l	19	0	87.93	9.00	39.24	30.00	52.40	94.00	109.00	157.00
Deep Fork River: Eastern	OK520710-02-0060G	Temp, C	19	0	17.66	1.79	7.79	5.70	9.50	17.50	25.30	28.70
Deep Fork River: Eastern	OK520710-02-0060G	TKN, mg/l	19	0	0.66	0.09	0.38	0.25	0.42	0.59	0.74	1.95
Deep Fork River: Eastern	OK520710-02-0060G	Total o-P, mg/l	18	1	0.06	0.01	0.05	0.00	0.02	0.05	0.09	0.18
Deep Fork River: Eastern	OK520710-02-0060G	Total-N, mg/l	19	0	1.34	0.17	0.73	0.40	0.68	1.23	1.91	2.72
Deep Fork River: Eastern	OK520710-02-0060G	Total-P, mg/l	19	0	0.13	0.02	0.09	0.02	0.07	0.11	0.16	0.32
Deep Fork River: Eastern	OK520710-02-0060G	TSS, mg/l	18	1	16.25	2.15	9.12	3.00	9.50	15.00	22.25	37.00
Deep Fork River: Eastern	OK520710-02-0060G	Turb, NTU	19	0	19.47	2.88	12.55	5.54	10.30	16.80	25.30	58.40
Elm Creek	OK520810-00-0100C	Alk, mg/l	17	1	251.10	11.70	48.40	180.00	213.00	245.00	286.00	370.00
Elm Creek	OK520810-00-0100C	Ammonia, mg/l	17	1	0.03	0.01	0.02	0.00	0.01	0.03	0.05	0.09

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Elm Creek	OK520810-00-0100C	Available-N, mg/l	18	0	0.24	0.02	0.08	0.05	0.19	0.25	0.30	0.36
Elm Creek	OK520810-00-0100C	Chloride, mg/l	18	0	13.16	0.66	2.81	7.70	11.63	13.75	15.08	17.00
Elm Creek	OK520810-00-0100C	Cond, mS/cm	18	0	562.30	20.50	86.80	389.40	531.50	558.50	608.80	765.00
Elm Creek	OK520810-00-0100C	DO, mg/l	18	0	8.87	0.51	2.18	5.61	7.11	8.82	10.06	13.75
Elm Creek	OK520810-00-0100C	DOpsat	18	0	90.30	3.12	13.25	61.74	79.73	91.19	102.53	107.93
Elm Creek	OK520810-00-0100C	Fecal col, cfu/100ml	17	1	223.50	58.60	241.50	10.00	100.00	100.00	300.00	800.00
Elm Creek	OK520810-00-0100C	Inst. Q, cfs	18	0	4.97	0.76	3.23	1.25	2.47	3.77	7.72	10.56
Elm Creek	OK520810-00-0100C	NitrateNitrite, mg/l	18	0	0.21	0.02	0.07	0.03	0.18	0.23	0.28	0.32
Elm Creek	OK520810-00-0100C	pH	14	4	8.07	0.09	0.34	7.31	7.91	8.18	8.32	8.43
Elm Creek	OK520810-00-0100C	Sulfate, mg/l	18	0	5.56	0.91	3.85	0.34	1.82	6.10	8.88	11.60
Elm Creek	OK520810-00-0100C	Temp, C	18	0	16.02	1.87	7.95	3.20	8.28	15.75	24.60	26.90
Elm Creek	OK520810-00-0100C	TKN, mg/l	18	0	0.29	0.04	0.16	0.12	0.17	0.27	0.38	0.69
Elm Creek	OK520810-00-0100C	Total o-P, mg/l	18	0	0.02	0.00	0.01	0.00	0.01	0.02	0.03	0.04
Elm Creek	OK520810-00-0100C	Total-N, mg/l	18	0	0.51	0.04	0.17	0.26	0.37	0.48	0.60	0.89
Elm Creek	OK520810-00-0100C	Total-P, mg/l	18	0	0.05	0.01	0.04	0.01	0.03	0.05	0.07	0.19
Elm Creek	OK520810-00-0100C	TSS, mg/l	17	1	14.26	2.39	9.86	1.00	6.00	12.50	20.00	38.00
Elm Creek	OK520810-00-0100C	Turb, NTU	18	0	15.59	2.00	8.51	3.04	7.45	16.10	21.73	30.40
Lagoon Creek	OK620900-01-0180J	Alk, mg/l	17	0	132.53	8.87	36.56	81.00	104.50	130.00	155.50	206.00
Lagoon Creek	OK620900-01-0180J	Ammonia, mg/l	17	0	0.02	0.01	0.02	0.00	0.01	0.03	0.03	0.10
Lagoon Creek	OK620900-01-0180J	Available-N, mg/l	17	0	0.11	0.04	0.15	0.01	0.05	0.07	0.10	0.65
Lagoon Creek	OK620900-01-0180J	Chloride, mg/l	17	0	49.26	8.23	33.92	17.00	27.50	44.00	54.85	153.00
Lagoon Creek	OK620900-01-0180J	Cond, mS/cm	17	0	467.90	47.50	196.00	228.00	339.40	422.30	548.50	1055.00
Lagoon Creek	OK620900-01-0180J	DO, mg/l	17	0	8.34	0.63	2.61	4.96	5.76	8.08	10.99	12.29
Lagoon Creek	OK620900-01-0180J	DOpsat	17	0	81.43	3.69	15.21	56.00	67.97	87.51	90.11	108.38
Lagoon Creek	OK620900-01-0180J	Fecal col, cfu/100ml	10	7	445.00	289.00	913.00	10.00	85.00	100.00	300.00	3000.00
Lagoon Creek	OK620900-01-0180J	Inst. Q, cfs	17	0	4.10	1.55	6.39	0.00	0.13	1.29	6.11	19.69
Lagoon Creek	OK620900-01-0180J	NitrateNitrite, mg/l	17	0	0.08	0.03	0.14	0.00	0.02	0.05	0.08	0.62
Lagoon Creek	OK620900-01-0180J	pH	14	3	7.80	0.10	0.36	7.05	7.49	7.93	8.08	8.21
Lagoon Creek	OK620900-01-0180J	Sulfate, mg/l	17	0	27.30	5.11	21.09	0.50	6.31	24.50	37.45	72.10
Lagoon Creek	OK620900-01-0180J	Temp, C	17	0	15.45	2.24	9.23	1.90	6.20	14.80	24.55	29.20
Lagoon Creek	OK620900-01-0180J	TKN, mg/l	17	0	0.55	0.07	0.27	0.05	0.39	0.45	0.76	1.17
Lagoon Creek	OK620900-01-0180J	Total o-P, mg/l	17	0	0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.03
Lagoon Creek	OK620900-01-0180J	Total-N, mg/l	17	0	0.64	0.08	0.34	0.07	0.40	0.48	0.83	1.38
Lagoon Creek	OK620900-01-0180J	Total-P, mg/l	17	0	0.07	0.01	0.04	0.03	0.04	0.05	0.09	0.17
Lagoon Creek	OK620900-01-0180J	TSS, mg/l	16	1	19.98	5.28	21.10	1.00	6.00	15.50	32.00	85.70
Lagoon Creek	OK620900-01-0180J	Turb, NTU	17	0	24.94	5.78	23.82	3.22	9.15	17.40	40.05	91.80
Buckeye Creek	OK620900-01-0220G	Alk, mg/l	18	0	112.82	8.98	38.11	62.00	87.35	109.00	123.25	225.00
Buckeye Creek	OK620900-01-0220G	Ammonia, mg/l	18	0	0.04	0.01	0.05	0.00	0.01	0.03	0.06	0.21
Buckeye Creek	OK620900-01-0220G	Available-N, mg/l	18	0	0.23	0.02	0.10	0.05	0.18	0.23	0.29	0.45
Buckeye Creek	OK620900-01-0220G	Chloride, mg/l	18	0	24.34	1.74	7.37	9.60	18.83	24.65	29.80	37.00
Buckeye Creek	OK620900-01-0220G	Cond, mS/cm	18	0	347.50	33.30	141.20	125.00	232.60	340.10	466.90	580.00
Buckeye Creek	OK620900-01-0220G	DO, mg/l	18	0	8.80	0.52	2.22	5.27	6.82	8.15	11.22	12.27
Buckeye Creek	OK620900-01-0220G	DOpsat	18	0	86.51	2.33	9.87	68.22	80.83	85.87	95.15	106.11
Buckeye Creek	OK620900-01-0220G	Fecal col, cfu/100ml	12	6	220.00	49.20	170.30	70.00	100.00	150.00	375.00	600.00
Buckeye Creek	OK620900-01-0220G	Inst. Q, cfs	18	0	2.39	0.55	2.31	0.11	0.66	1.96	3.09	10.41
Buckeye Creek	OK620900-01-0220G	NitrateNitrite, mg/l	18	0	0.19	0.02	0.09	0.03	0.15	0.21	0.24	0.39
Buckeye Creek	OK620900-01-0220G	pH	15	3	7.71	0.10	0.40	6.95	7.47	7.69	7.95	8.62
Buckeye Creek	OK620900-01-0220G	Sulfate, mg/l	18	0	50.87	6.80	28.83	0.50	32.43	50.40	71.53	124.00
Buckeye Creek	OK620900-01-0220G	Temp, C	18	0	15.31	1.98	8.38	2.40	7.00	14.50	23.48	27.10
Buckeye Creek	OK620900-01-0220G	TKN, mg/l	18	0	0.35	0.06	0.23	0.09	0.23	0.29	0.46	1.14
Buckeye Creek	OK620900-01-0220G	Total o-P, mg/l	18	0	0.01	0.00	0.01	0.00	0.01	0.01	0.01	0.04

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Buckeye Creek	OK620900-01-0220G	Total-N, mg/l	18	0	0.54	0.06	0.24	0.12	0.39	0.52	0.62	1.31
Buckeye Creek	OK620900-01-0220G	Total-P, mg/l	18	0	0.05	0.01	0.03	0.01	0.03	0.05	0.07	0.12
Buckeye Creek	OK620900-01-0220G	TSS, mg/l	18	0	21.26	3.81	16.16	4.00	8.00	16.00	34.75	60.00
Buckeye Creek	OK620900-01-0220G	Turb, NTU	18	0	25.06	5.72	24.25	6.66	11.43	16.10	32.33	109.00
Euchee Creek	OK620900-01-0290R	Alk, mg/l	17	1	184.90	15.30	63.00	84.00	129.00	201.00	241.00	276.00
Euchee Creek	OK620900-01-0290R	Ammonia, mg/l	17	1	0.33	0.15	0.62	0.01	0.03	0.08	0.26	2.10
Euchee Creek	OK620900-01-0290R	Available-N, mg/l	18	0	1.13	0.31	1.30	0.05	0.09	0.75	1.43	4.42
Euchee Creek	OK620900-01-0290R	Chloride, mg/l	18	0	33.37	3.93	16.67	6.10	21.83	33.50	46.65	66.60
Euchee Creek	OK620900-01-0290R	Cond, mS/cm	18	0	563.90	52.60	223.00	206.50	283.80	635.00	747.00	841.00
Euchee Creek	OK620900-01-0290R	DO, mg/l	18	0	10.10	0.86	3.66	4.93	7.02	10.29	12.70	19.31
Euchee Creek	OK620900-01-0290R	DOpsat	18	0	103.95	7.36	31.24	62.74	83.19	97.37	118.05	176.40
Euchee Creek	OK620900-01-0290R	Fecal col, cfu/100ml	16	2	246.00	100.00	402.00	10.00	62.50	100.00	188.00	1400.00
Euchee Creek	OK620900-01-0290R	Inst. Q, cfs	18	0	8.75	1.46	6.20	0.49	3.92	7.11	13.63	20.86
Euchee Creek	OK620900-01-0290R	NitrateNitrite, mg/l	18	0	0.81	0.19	0.81	0.03	0.06	0.68	1.28	2.32
Euchee Creek	OK620900-01-0290R	pH	14	4	8.29	0.18	0.68	7.07	7.75	8.35	8.79	9.50
Euchee Creek	OK620900-01-0290R	Sulfate, mg/l	18	0	43.91	3.47	14.73	8.10	32.98	45.10	56.18	69.10
Euchee Creek	OK620900-01-0290R	Temp, C	18	0	17.47	2.18	9.26	3.10	7.48	17.60	26.75	30.00
Euchee Creek	OK620900-01-0290R	TKN, mg/l	18	0	1.25	0.23	0.97	0.28	0.79	0.98	1.27	3.75
Euchee Creek	OK620900-01-0290R	Total o-P, mg/l	18	0	0.48	0.10	0.43	0.08	0.16	0.26	0.79	1.44
Euchee Creek	OK620900-01-0290R	Total-N, mg/l	18	0	2.07	0.38	1.63	0.31	1.09	1.63	2.57	6.07
Euchee Creek	OK620900-01-0290R	Total-P, mg/l	18	0	0.66	0.11	0.48	0.22	0.29	0.44	1.01	1.76
Euchee Creek	OK620900-01-0290R	TSS, mg/l	17	1	30.09	4.17	17.19	1.00	17.00	30.50	37.00	61.50
Euchee Creek	OK620900-01-0290R	Turb, NTU	18	0	43.29	6.90	29.27	9.33	24.20	30.25	70.60	108.00
Council Creek	OK620900-02-0050H	Alk, mg/l	15	2	229.80	16.00	62.10	96.00	191.00	208.00	297.00	326.00
Council Creek	OK620900-02-0050H	Ammonia, mg/l	17	0	0.03	0.01	0.03	0.00	0.02	0.03	0.05	0.11
Council Creek	OK620900-02-0050H	Available-N, mg/l	17	0	0.19	0.03	0.13	0.03	0.07	0.16	0.32	0.45
Council Creek	OK620900-02-0050H	Chloride, mg/l	17	0	65.52	7.19	29.65	19.90	38.20	67.00	91.05	118.00
Council Creek	OK620900-02-0050H	Cond, mS/cm	17	0	633.40	68.80	283.70	8.57	420.30	645.00	842.00	1046.00
Council Creek	OK620900-02-0050H	DO, mg/l	17	0	9.35	0.80	3.31	2.56	7.43	9.09	12.05	14.37
Council Creek	OK620900-02-0050H	DOpsat	17	0	92.40	5.74	23.68	31.40	86.46	97.08	107.43	116.47
Council Creek	OK620900-02-0050H	Fecal col, cfu/100ml	16	1	805.00	615.00	2459.00	20.00	77.50	125.00	350.00	10000.00
Council Creek	OK620900-02-0050H	Inst. Q, cfs	17	0	2.18	0.82	3.37	0.00	0.17	1.15	2.99	13.65
Council Creek	OK620900-02-0050H	NitrateNitrite, mg/l	17	0	0.16	0.03	0.12	0.01	0.04	0.12	0.29	0.38
Council Creek	OK620900-02-0050H	pH	13	4	8.16	0.09	0.31	7.40	7.97	8.26	8.38	8.55
Council Creek	OK620900-02-0050H	Sulfate, mg/l	17	0	20.14	3.08	12.70	0.50	7.90	21.50	31.10	42.20
Council Creek	OK620900-02-0050H	Temp, C	17	0	15.95	2.08	8.59	3.20	7.80	15.50	24.65	28.30
Council Creek	OK620900-02-0050H	TKN, mg/l	17	0	0.75	0.14	0.57	0.23	0.40	0.52	0.86	2.35
Council Creek	OK620900-02-0050H	Total o-P, mg/l	17	0	0.02	0.01	0.03	0.00	0.00	0.01	0.02	0.12
Council Creek	OK620900-02-0050H	Total-N, mg/l	17	0	0.90	0.13	0.53	0.41	0.57	0.74	1.05	2.37
Council Creek	OK620900-02-0050H	Total-P, mg/l	17	0	0.09	0.02	0.10	0.02	0.05	0.07	0.08	0.46
Council Creek	OK620900-02-0050H	TSS, mg/l	16	1	24.97	9.84	39.35	1.00	6.50	10.50	29.88	160.00
Council Creek	OK620900-02-0050H	Turb, NTU	17	0	35.30	19.10	78.70	4.95	7.91	10.80	23.10	335.00
Gray Horse Creek	OK621200-01-0400T	Alk, mg/l	19	1	128.50	10.40	45.60	61.00	88.00	129.00	166.00	213.00
Gray Horse Creek	OK621200-01-0400T	Ammonia, mg/l	19	1	0.02	0.00	0.02	0.00	0.01	0.03	0.03	0.08
Gray Horse Creek	OK621200-01-0400T	Available-N, mg/l	20	0	0.15	0.04	0.19	0.00	0.04	0.07	0.20	0.68
Gray Horse Creek	OK621200-01-0400T	Chloride, mg/l	20	0	18.07	3.69	16.49	2.50	9.55	13.50	19.53	81.00
Gray Horse Creek	OK621200-01-0400T	Cond, mS/cm	20	0	378.30	34.70	155.30	192.00	223.30	369.40	509.30	736.00
Gray Horse Creek	OK621200-01-0400T	DO, mg/l	20	0	9.17	0.49	2.19	4.63	7.68	8.80	11.07	12.44
Gray Horse Creek	OK621200-01-0400T	DOpsat	20	0	90.83	3.32	14.87	46.54	85.52	90.73	101.61	117.59
Gray Horse Creek	OK621200-01-0400T	Fecal col, cfu/100ml	20	0	1308.00	424.00	1894.00	10.00	100.00	100.00	3000.00	5400.00
Gray Horse Creek	OK621200-01-0400T	Inst. Q, cfs	20	0	0.96	0.31	1.39	0.00	0.01	0.52	1.52	5.91

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Gray Horse Creek	OK621200-01-0400T	NitrateNitrite, mg/l	20	0	0.12	0.04	0.18	0.00	0.03	0.04	0.18	0.65
Gray Horse Creek	OK621200-01-0400T	pH	15	5	7.76	0.14	0.54	6.45	7.62	7.89	8.07	8.42
Gray Horse Creek	OK621200-01-0400T	Sulfate, mg/l	20	0	40.59	5.45	24.39	1.00	29.60	36.45	61.38	92.50
Gray Horse Creek	OK621200-01-0400T	Temp, C	20	0	15.11	2.07	9.24	0.80	5.48	17.70	23.00	27.50
Gray Horse Creek	OK621200-01-0400T	TKN, mg/l	20	0	0.59	0.07	0.30	0.21	0.38	0.54	0.76	1.53
Gray Horse Creek	OK621200-01-0400T	Total o-P, mg/l	19	1	0.02	0.01	0.04	0.00	0.00	0.01	0.02	0.12
Gray Horse Creek	OK621200-01-0400T	Total-N, mg/l	20	0	0.71	0.09	0.40	0.26	0.41	0.57	0.85	1.56
Gray Horse Creek	OK621200-01-0400T	Total-P, mg/l	20	0	0.09	0.02	0.09	0.02	0.04	0.06	0.13	0.39
Gray Horse Creek	OK621200-01-0400T	TSS, mg/l	20	0	43.30	16.90	75.60	2.00	5.13	21.50	54.50	349.00
Gray Horse Creek	OK621200-01-0400T	Turb, NTU	20	0	40.79	9.23	41.27	6.08	8.97	23.05	61.83	142.00
Doga Creek	OK621200-02-0020M	Alk, mg/l	19	1	175.80	13.90	60.40	75.00	135.00	181.00	227.00	285.00
Doga Creek	OK621200-02-0020M	Ammonia, mg/l	19	1	0.02	0.00	0.02	0.00	0.00	0.03	0.03	0.07
Doga Creek	OK621200-02-0020M	Available-N, mg/l	20	0	0.20	0.04	0.18	0.00	0.07	0.15	0.27	0.59
Doga Creek	OK621200-02-0020M	Chloride, mg/l	20	0	12.45	1.23	5.50	2.50	9.25	11.50	14.40	25.30
Doga Creek	OK621200-02-0020M	Cond, mS/cm	20	0	426.40	29.10	130.20	231.00	301.10	436.80	526.80	637.00
Doga Creek	OK621200-02-0020M	DO, mg/l	20	0	9.56	0.69	3.07	3.00	7.18	10.39	12.03	14.47
Doga Creek	OK621200-02-0020M	DOpsat	20	0	93.05	5.30	23.69	33.45	78.61	93.62	109.96	135.21
Doga Creek	OK621200-02-0020M	Fecal col, cfu/100ml	19	1	923.00	319.00	1389.00	70.00	100.00	300.00	900.00	4800.00
Doga Creek	OK621200-02-0020M	Inst. Q, cfs	20	0	4.25	1.15	5.13	0.00	0.35	2.99	6.87	17.67
Doga Creek	OK621200-02-0020M	NitrateNitrite, mg/l	20	0	0.18	0.04	0.18	0.00	0.03	0.12	0.26	0.56
Doga Creek	OK621200-02-0020M	pH	15	5	7.68	0.17	0.67	6.37	7.25	7.90	8.14	8.56
Doga Creek	OK621200-02-0020M	Sulfate, mg/l	20	0	12.93	2.01	9.01	0.50	3.79	13.10	20.88	26.50
Doga Creek	OK621200-02-0020M	Temp, C	20	0	14.76	1.99	8.88	1.40	5.25	15.50	23.08	26.60
Doga Creek	OK621200-02-0020M	TKN, mg/l	20	0	0.51	0.05	0.23	0.17	0.31	0.48	0.66	1.17
Doga Creek	OK621200-02-0020M	Total o-P, mg/l	19	1	0.02	0.00	0.01	0.00	0.01	0.01	0.02	0.06
Doga Creek	OK621200-02-0020M	Total-N, mg/l	20	0	0.68	0.07	0.32	0.31	0.45	0.54	0.94	1.23
Doga Creek	OK621200-02-0020M	Total-P, mg/l	20	0	0.07	0.01	0.04	0.01	0.04	0.06	0.10	0.14
Doga Creek	OK621200-02-0020M	TSS, mg/l	20	0	20.35	4.93	22.06	1.00	6.00	11.00	26.75	90.50
Doga Creek	OK621200-02-0020M	Turb, NTU	20	0	24.95	5.48	24.52	5.12	7.74	12.30	37.95	84.40
Camp Creek	OK621200-03-0040F	Alk, mg/l	17	1	175.76	9.94	40.98	93.00	147.50	192.00	201.00	233.00
Camp Creek	OK621200-03-0040F	Ammonia, mg/l	17	1	0.02	0.00	0.02	0.00	0.01	0.03	0.03	0.06
Camp Creek	OK621200-03-0040F	Available-N, mg/l	18	0	0.11	0.02	0.09	0.01	0.05	0.08	0.18	0.29
Camp Creek	OK621200-03-0040F	Chloride, mg/l	18	0	16.49	2.46	10.45	2.50	9.95	12.50	20.70	44.10
Camp Creek	OK621200-03-0040F	Cond, mS/cm	18	0	450.60	43.90	186.10	251.90	296.50	407.50	561.80	1006.00
Camp Creek	OK621200-03-0040F	DO, mg/l	18	0	8.64	0.60	2.52	4.42	6.03	9.07	11.00	12.10
Camp Creek	OK621200-03-0040F	DOpsat	18	0	84.44	4.26	18.08	49.17	68.51	89.01	95.93	112.77
Camp Creek	OK621200-03-0040F	Fecal col, cfu/100ml	14	4	2866.00	2418.00	9049.00	10.00	100.00	185.00	600.00	34200.00
Camp Creek	OK621200-03-0040F	Inst. Q, cfs	18	0	6.22	1.62	6.89	0.00	0.69	3.14	14.79	19.64
Camp Creek	OK621200-03-0040F	NitrateNitrite, mg/l	18	0	0.09	0.02	0.09	0.01	0.03	0.05	0.16	0.29
Camp Creek	OK621200-03-0040F	pH	16	2	7.91	0.11	0.43	7.11	7.72	7.92	8.30	8.52
Camp Creek	OK621200-03-0040F	Sulfate, mg/l	18	0	24.58	3.63	15.42	1.00	9.83	26.45	36.85	51.10
Camp Creek	OK621200-03-0040F	Temp, C	18	0	15.01	2.10	8.89	2.40	5.88	14.40	23.63	27.90
Camp Creek	OK621200-03-0040F	TKN, mg/l	18	0	0.44	0.05	0.23	0.14	0.30	0.39	0.53	1.04
Camp Creek	OK621200-03-0040F	Total o-P, mg/l	17	1	0.02	0.00	0.02	0.00	0.01	0.01	0.02	0.08
Camp Creek	OK621200-03-0040F	Total-N, mg/l	18	0	0.54	0.06	0.25	0.17	0.37	0.50	0.61	1.26
Camp Creek	OK621200-03-0040F	Total-P, mg/l	18	0	0.06	0.01	0.03	0.02	0.03	0.06	0.08	0.11
Camp Creek	OK621200-03-0040F	TSS, mg/l	18	0	14.29	2.81	11.92	1.00	4.00	11.35	24.25	38.50
Camp Creek	OK621200-03-0040F	Turb, NTU	18	0	16.45	3.30	14.02	3.43	6.80	10.06	24.28	46.70
Salt Creek	OK621200-04-0010J	Alk, mg/l	15	0	148.70	12.50	48.40	38.00	121.00	148.00	181.00	232.00
Salt Creek	OK621200-04-0010J	Ammonia, mg/l	14	1	0.02	0.01	0.02	0.00	0.00	0.02	0.03	0.09
Salt Creek	OK621200-04-0010J	Available-N, mg/l	15	0	0.06	0.01	0.04	0.01	0.03	0.05	0.07	0.16

SiteName	WBID	Variable	N	N*	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
Salt Creek	OK621200-04-0010J	Chloride, mg/l	15	0	10.02	1.58	6.11	2.50	5.10	10.00	11.00	26.00
Salt Creek	OK621200-04-0010J	Cond, mS/cm	15	0	398.60	27.80	107.50	228.40	323.10	400.00	490.00	625.00
Salt Creek	OK621200-04-0010J	DO, mg/l	15	0	9.30	0.52	2.00	5.25	7.78	9.45	11.06	12.12
Salt Creek	OK621200-04-0010J	DOpsat	15	0	102.00	5.31	20.56	61.32	88.86	101.06	110.87	142.28
Salt Creek	OK621200-04-0010J	Fecal col, cfu/100ml	15	0	623.00	327.00	1268.00	10.00	90.00	100.00	300.00	4600.00
Salt Creek	OK621200-04-0010J	Inst. Q, cfs	15	0	15.49	5.95	23.05	0.00	0.14	8.18	23.19	83.40
Salt Creek	OK621200-04-0010J	NitrateNitrite, mg/l	15	0	0.04	0.01	0.03	0.00	0.03	0.03	0.06	0.13
Salt Creek	OK621200-04-0010J	pH	12	3	7.70	0.17	0.58	6.63	7.18	7.87	8.08	8.41
Salt Creek	OK621200-04-0010J	Sulfate, mg/l	15	0	8.70	1.74	6.72	0.50	2.24	7.60	15.70	20.00
Salt Creek	OK621200-04-0010J	Temp, C	15	0	19.09	2.27	8.78	4.80	10.40	21.10	25.60	31.20
Salt Creek	OK621200-04-0010J	TKN, mg/l	15	0	0.36	0.04	0.14	0.11	0.27	0.40	0.51	0.52
Salt Creek	OK621200-04-0010J	Total o-P, mg/l	14	1	0.01	0.00	0.01	0.00	0.01	0.01	0.02	0.04
Salt Creek	OK621200-04-0010J	Total-N, mg/l	15	0	0.40	0.04	0.15	0.11	0.30	0.44	0.52	0.64
Salt Creek	OK621200-04-0010J	Total-P, mg/l	15	0	0.06	0.01	0.02	0.03	0.04	0.06	0.06	0.11
Salt Creek	OK621200-04-0010J	TSS, mg/l	15	0	14.43	2.99	11.56	1.00	5.00	13.50	18.00	42.00
Salt Creek	OK621200-04-0010J	Turb, NTU	15	0	13.02	2.23	8.63	4.51	6.65	9.97	18.10	37.00
Little Chief Creek	OK621200-04-0070C	Alk, mg/l	18	1	176.56	8.87	37.64	126.00	147.75	162.00	213.25	238.00
Little Chief Creek	OK621200-04-0070C	Ammonia, mg/l	18	1	0.02	0.01	0.04	0.00	0.00	0.02	0.03	0.19
Little Chief Creek	OK621200-04-0070C	Available-N, mg/l	19	0	0.15	0.07	0.30	0.00	0.02	0.05	0.12	1.23
Little Chief Creek	OK621200-04-0070C	Chloride, mg/l	19	0	54.86	7.04	30.70	26.00	34.00	46.00	67.50	139.00
Little Chief Creek	OK621200-04-0070C	Cond, mS/cm	19	0	547.30	42.40	184.60	6.13	457.80	533.00	681.00	789.00
Little Chief Creek	OK621200-04-0070C	DO, mg/l	19	0	10.42	0.44	1.93	6.87	8.45	10.95	11.42	13.52
Little Chief Creek	OK621200-04-0070C	DOpsat	19	0	107.72	4.70	20.50	81.56	94.33	97.27	127.27	158.71
Little Chief Creek	OK621200-04-0070C	Fecal col, cfu/100ml	19	0	1909.00	1193.00	5199.00	10.00	20.00	100.00	1400.00	22000.00
Little Chief Creek	OK621200-04-0070C	Inst. Q, cfs	19	0	11.04	2.55	11.10	0.00	2.00	5.53	17.59	33.31
Little Chief Creek	OK621200-04-0070C	NitrateNitrite, mg/l	19	0	0.13	0.06	0.26	0.00	0.02	0.03	0.11	1.04
Little Chief Creek	OK621200-04-0070C	pH	14	5	7.87	0.12	0.44	7.01	7.50	8.01	8.27	8.35
Little Chief Creek	OK621200-04-0070C	Sulfate, mg/l	19	0	23.07	2.45	10.68	3.36	16.80	25.00	28.90	45.10
Little Chief Creek	OK621200-04-0070C	Temp, C	19	0	16.63	2.42	10.54	0.80	6.00	19.00	25.80	31.40
Little Chief Creek	OK621200-04-0070C	TKN, mg/l	19	0	0.27	0.05	0.23	0.03	0.12	0.27	0.33	1.12
Little Chief Creek	OK621200-04-0070C	Total o-P, mg/l	18	1	0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.06
Little Chief Creek	OK621200-04-0070C	Total-N, mg/l	19	0	0.40	0.11	0.46	0.05	0.18	0.30	0.36	2.16
Little Chief Creek	OK621200-04-0070C	Total-P, mg/l	19	0	0.04	0.01	0.03	0.01	0.02	0.03	0.05	0.11
Little Chief Creek	OK621200-04-0070C	TSS, mg/l	19	0	11.29	1.71	7.44	1.00	5.00	11.00	16.50	26.00
Little Chief Creek	OK621200-04-0070C	Turb, NTU	18	1	12.96	2.06	8.75	3.13	7.12	10.65	16.93	35.60

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
South Fork of Dirty Creek	12041	08/20/98	20	0.5	0.7	0.4	9	17	0	5	35	60	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	50	0	5	X	X	85	M	0	0	0	0	60	80	SND	SND	15	15	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	40	0.3	0.1	0.3	3	20	2	3	35	60	0	0	0	0	0	0	X	0	0.5	0	0	0.5	0	0	0	0	50	50	10	X	X	75	M	0	50	0	0.8	40	85	SND	SND	15	30	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	60	0.2	0.2	0.2	3	25	0	3	45	50	0	0	0	2	0	0	X	0	0	0	0	0	0	0	0	0	50	50	10	X	X	60	M	0	75	0	2.5	30	85	SND	SND	20	30	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	80	0.5	0.8	0.8	5	20	50	5	40	5	0	0	0	0	0	X	0	0	1	0.5	0.5	0.5	0	0	0	1	10	0	0	X	X	80	M	0	0	0	0	40	75	SND	SND	25	30	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	100	0.3	0.3	0.2	5	17	20	10	35	5	0	0	0	30	0	X	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	50	M	0	80	0	3	40	80	SND	SND	20	30	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	120	0.5	0.7	0.8	7	15	55	5	15	10	5	0	0	10	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	10	0	25	0	0	50	M	0	80	0	3	40	85	SND	SND	20	30	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	140	0.3	0.5	0.5	4	15	10	20	30	40	0	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	15	0	50	X	X	60	M	0	90	0	2.8	45	80	SND	SND	25	30	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	160	0.5	1	0.7	8	12	60	0	5	0	0	0	15	20	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	20	0	0	60	M	0	100	0	1	50	75	SND	SND	25	20	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	180	0.9	1	0.7	7	12	75	0	0	0	0	0	20	5	0	X	0	0	0	0	2	0	0	0	0	0	0	0	10	0	0	60	M	0	80	0	1	50	75	SND	SND	20	20	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	200	0.6	0.2	1	8	20	25	0	0	0	0	0	75	0	0	X	0	0	0	10	30	0	0	0	0	0	0	0	20	0	0	80	M	0	0	0	0	45	45	SND	SND	20	40	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	220	0.8	1.5	1.5	11	13	50	0	0	0	0	0	50	0	0	X	0	0	0	1	10	0	0	0	0	0	0	0	20	0	0	80	M	0	0	0	0	40	60	SND	SND	20	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	240	0.8	1.3	1.5	12	14	50	0	0	0	0	0	50	0	0	X	0	0	0	1	10	0	0	0	0	0	0	0	10	0	0	70	M	0	50	0	1	60	80	SND	SND	20	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	260	0.4	1.5	1.5	10	14	70	0	0	0	0	0	30	0	0	X	0	0	0	2	10	0	0	0	0	0	0	0	50	0	0	75	M	0	25	0	1	55	85	SND	SND	15	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	280	1.1	0.5	1.3	12	13	50	0	0	0	0	0	50	0	0	X	0	0	0	5	10	0	0	0	0	0	0	0	60	0	0	60	M	0	0	0	0	75	75	SND	SND	10	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	300	1.2	1.6	0.9	13	14	65	0	0	0	0	0	35	0	0	X	0	0	0.5	3	10	0	0	0	0	0	0	0	50	0	0	75	M	0	0	0	0	75	80	SND	SND	5	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	320	0.8	1.5	0.8	12	14	70	0	0	0	0	0	30	0	0	X	0	0	0.5	1	5	0	0	0	0	0	0	0	70	0	0	60	M	80	0	2.2	0	80	65	SND	SND	10	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	340	1.1	1.5	0.7	12	13	75	0	0	0	0	0	25	0	0	X	0	0	0.5	1	5	0	0	0	0	0	0	0	75	0	0	70	M	90	0	2.5	0	80	75	SND	SND	15	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	360	1	1.5	1	12	14	70	0	0	0	0	0	30	0	0	X	0	0	0.5	1	5	0	0	0	0	0	0	0	80	0	0	75	M	50	0	2	0	80	80	SND	SND	15	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	380	1	1.5	0.9	12	14	75	0	0	0	0	0	25	0	0	X	0	0	0	1	5	0	0	0	0	0	0	0	70	0	0	80	M	0	0	0	0	75	80	SND	SND	20	50	1B	1B	X			
South Fork of Dirty Creek	12041	08/20/98	400	1.2	1.5	1.1	11	14	70	0	0	0	0	0	30	0	0	X	0	0	0	1	5	0	0	0	0	0	0	0	60	0	0	85	M	0	0	0	0	70	85	SND	SND	20	50	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	20	0.7	1.5	0.7	18	24	30	0	35	20	0	0	15	0	0	X	0	0	0.5	1.5	1	0.5	0.5	0	15	0.5	75	0	25	0	0	95	m	0	0	0	0	55	35	SLT	Si	17	10	1B	1A	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	40	0.8	1.6	0.5	20	24	10	0	25	30	0	15	20	0	0	X	0	0	0.25	1	0.75	0.25	0.25	0	10	0.5	60	0	15	0	0	90	m	0	60	0	0.75	65	40	SLT	Si	20	7	1A	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	60	1.1	1.5	0.9	20	24	15	0	55	0	0	15	15	0	0	X	0	0	0	3	0.5	0.5	0	0	0	12	70	0	12	0	0	85	m	10	25	0.5	1.5	65	45	SLT	BDRK	20	10	1A	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	80	0.8	1.1	1	22	24	5	0	15	30	10	30	10	0	0	X	0	0	0.5	0	0.5	0	5	0	0	6	75	0	10	0	0	85	m	60	45	1.5	0.75	75	45	SLT	BDRK	25	10	1A	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	100	0.4	0.7	0.6	22	27	15	0	10	40	10	20	5	0	0	X	0	0	0.5	3.5	0.5	1	0	0	0	2	60	0	30	0	0	65	m	60	100	0.75	1	85	40	SLT	BDRK	25	17	1A	1B		15		
Brazil Creek: LeFlore Co.	21714	08/10/00	120	0.1	0.1	0.1	10	24	10	0	10	30	25	0	25	0	X	0	0	0	0.25	1	3	0	0	0	0	0	85	17	8	X	X	70	m	40	100	1	3	40	30	SND	BDRK	30	17	1B	1B		60		1
Brazil Creek: LeFlore Co.	21714	08/10/00	140	0.4	0.9	0.4	17	22	10	0	25	10	0	50	5	0	0	X	0	0	0.25	4	7	0.25	1	0	0	1	35	0	20	X	X	70	m	60	100	1.25	2	70	40	SLT	BDRK	20	7	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	160	0.8	0.9	0.7	24	28	10	0	25	10	10	40	5	0	0	X	0	0	0.25	0.5	3.5	0.25	0	0	5	0	60	0	30	X	0	85	m	15	85	0.5	1.5	40	25	SLT	BDRK	10	25	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	180	1	0.9	0.5	20	35	10	0	35	0	0	50	5	0	0	X	0	0	0.25	0	0.5	1	1	0	7	0	15	0	17	0	0	75	m	15	100	0.5	0.75	70	40	SLT	BDRK	15	5	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	200	0.8	0.8	0.6	16	26	10	15	10	10	0	50	5	0	0	X	0	0	0.25	0.75	1	0.25	0	0	1.5	0	15	0	60	0	0	70	m	60	50	0.75	1	85	50	SLT	BDRK	20	15	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	220	0.8	0.8	0.8	10	30	5	0	60	10	5	0	15	0	0	X	0	0	1	1	0	0	0	10	0	0	70	0	50	X	0	85	m	40	30	0.5	0.5	75	35	SLT	BDRK	17	15	1A	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	240	1.2	1.6	1.6	27	34	30	0	20	5	35	0	10	0	0	X	0	0	0.25	3	10	0	0	0	5	0	30	0	17	0	0	85	m	50	60	0.75	1	85	35	SLT	BDRK	20	15	1A	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	260	2.4	2.5	1.8	34	35	30	5	15	5	0	45	0	0	0	X	0	0	1	0	0.75	0	2	0	10	0	15	0	20	0	0	90	m	15	70	0.75	1	85	35	SLT	Si	15	5	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	280	2.8	2	2	25	35	20	5	10	10	0	55	0	0	0	X	0	0	1.5	0	1.5	0.25	1	0	2	0	20	0	25	X	0	85	m	0	70	0	1	85	55	SLT	Si	15	5	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	300	2.5	2.4	1.9	35	36	10	0	30	0	0	50	10	0	0	X	0	0	1.5	0	1.5	0	2	0	0.25	0	35	0	15	0	0	90	m	0	50	0	0.75	85	85	SLT	Si	20	15	1B	1B	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	320	2	2	2	30	31	20	0	20	0	0	60	0	0	0	X	0	0	1	1	2	0.25	0	0	1	0	30	0	7	0	0	90	m	15	35	0.5	0.5	90	75	SLT	Si	30	35	1A	1A	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	340	1.1	1.3	0.9	30	31	30	0	35	5	25	5	0	0	0	X	0	0	1.5	0	1	0.5	0	0	0.25	0	55	0	15	0	0	95	m	25	15	0.75	0.75	85	80	SLT	Si	35	35	1A	1A	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	360	1	1.2	1.1	30	32	15	0	50	20	5	0	10	0	0	X	0	0	1.25	0.25	0.75	0.5	0	0	0	0	85	0	20	0	0	95	m	15	60	0.75	0.5	85	85	SLT	Si	35	50	1A	1A	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	380	0.6	0.7	0.5	30	31	5	0	60	20	10	0	5	0	0	X	0	0	1	1	0.75	0.25	0	0	3	0	75	0	17	0	0	95	m	10	65	0.75	1.25	85	85	SLT	Si	50	50	1A	1A	X			
Brazil Creek: LeFlore Co.	21714	08/10/00	400	0.2	0.3	0.3	5	35	5	0	55	30	0	0	10	0	0	X	0	0	1	0	1	0.5	0	0	0	0	80	0	40	0	0	90	m	30	0	0.5	0	85	25	SLT	GVL	30	50	1A	1A	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Brazil Creek: Latimer Co.	17909	08/04/99	20	0.1	0.2	0.1	8	16	10	0	2	3	0	85	0	0	0	0	X	0	0	0	0.5	0	0	0	0.5	0	5	0	25	0	0	30	T	20	50	1.5	2.2	75	85	SI&C	Si&C	5	3	2B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	40	0.1	0.2	0.2	6	16	10	0	0	5	0	85	0	0	0	0	X	0	0	0	0	0	0.5	0	0.5	0	5	0	25	0	0	40	T	0	90	0	2.5	60	85	SI&C	Si&C	5	3	2B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	60	0.1	0.2	0.2	8	14	5	0	0	0	0	95	0	0	0	X	0	0	0	0.5	0	0.5	0.5	0	0.5	0	2	0	70	0	0	50	T	25	25	1	1	70	85	SI&C	Si&C	10	3	2C	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	80	0.2	0.3	0.3	11	15	5	0	0	0	0	95	0	0	0	X	0	0	0	0	0	0.5	0.5	0	0.5	0	0	0	70	0	0	40	T	50	50	1.5	2	80	75	SI&C	Si&C	8	3	2C	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	100	0.4	0.3	0.2	8	17	5	0	5	10	0	80	0	0	0	X	0	0	0	0	0	0	0.5	0	0.5	0	0	0	40	X	X	50	T	50	20	1.5	1.5	80	70	SI&C	Si&C	4	5	2C	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	120	0.4	0.5	0.3	12	15	10	5	25	0	0	60	0	0	0	X	0	0	0	0	0	0	0.5	0	0.5	0	5	0	25	X	X	30	T	80	0	3.1	0	75	60	SI&C	Si&C	0	5		1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	140	0.2	0.3	0.4	14	16	20	0	0	0	0	90	0	0	0	X	0	0	0	0	0	0.5	0.5	0	0.5	0	0	0	20	0	0	25	S	50	0	3	0	75	70	SI&C	Si&C	0	5		1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	160	0.2	0.3	0.1	2	16	2	0	3	0	0	95	0	0	0	0	X	0	0	0	0	0	0	0	0.5	0	10	0	0	X	X	25	S	60	0	3	0	75	65	SI&C	Si&C	0	5		1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	180	0.3	0.4	0.3	8	19	15	0	0	0	0	85	0	0	0	X	0	0	0	0	0	0	0	0	2	0	0	0	35	X	X	40	T	60	0	3	0	75	70	SI&C	Si&C	0	3		1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	200	0.6	0.5	0.4	13	16	15	0	10	15	0	40	0	20	0	X	0	0	0.5	0	0	0.5	0	0	2	0	10	0	40	0	0	55	T	0	0	0	0	65	75	SI&C	Si&C	2	5	2B	1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	220	0.7	1	0.4	15	16	30	0	10	10	0	0	0	50	0	X	0	0	0.5	1	0	0.5	0	0	0	0	10	0	60	0	0	50	T	0	0	0	0	70	65	SI&C	Si&C	2	5	2B	1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	240	0.1	0.1	0.1	1	0	5	5	90	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0.5	0	10	70	50	X	X	55	T	0	0	0	0	60	65	SI&C	Si&C	2	20	2B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	260	0.3	0.7	0.4	4	15	10	10	20	0	0	0	0	60	0	0	X	0	0	0.5	0	0	0	0	0.5	0	10	0	0	X	X	70	T	0	0	0	0	50	45	BLD	Si&C	5	20	2B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	280	0.6	0.7	0.3	9	13	40	10	20	0	0	0	20	10	0	X	0	0	0	2	1	0	0	0	0	0	5	0	0	X	X	50	S	0	0	0	0	50	45	HPC	Si&C	5	20	2B	1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	300	0.7	0.7	0.5	8	13	10	0	0	0	0	0	10	80	0	X	0	0	0	5	3	0	0	0	0	0	0	0	15	X	X	30	M	20	20	1.6	1.6	80	70	SI&C	Si&C	10	30	1B	1B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	320	0.5	0.8	0.3	8	12	15	10	25	0	0	0	10	40	0	X	0	0	0	1	2	0	0	0	0	0	5	0	25	X	X	30	T	90	0	2.2	0	80	45	SI&C	Si&C	20	30	1B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	340	0.3	0.4	0.1	4	12	50	5	20	0	0	0	10	15	0	X	0	0	0.5	2	2	0	0	0	0	0	5	0	20	X	X	60	M	0	0	0	0	55	40	SI&C	Si&C	20	20	1B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	360	0.2	0.4	0.6	10	18	10	0	0	0	0	0	80	10	0	X	X	0	0	5	15	0	0	0	0	0	0	0	10	0	0	70	M	0	0	0	0	70	45	SI&C	Si&C	25	20	1B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	380	0.5	0.4	0.8	9	17	5	0	5	0	0	0	0	90	0	X	0	0	0	1	0	0	0	0	0	0	0	0	25	0	0	20	T	40	50	3	2.2	70	75	HPC	Si&C	25	15	1B	2B	X			
Brazil Creek: Latimer Co.	17909	08/04/99	400	0.1	0.4	0.3	7	15	40	10	30	10	0	0	0	10	0	X	0	0	0	1	0.5	0	0	0	0	0	0	0	30	0	0	30	T	0	20	0	1.5	45	65	HPC	Si&C	25	8	1B	2B	X			
San Bois Creek	12042	09/28/98	20	0.4	0.6	0.4	5	22	5	5	60	0	0	0	0	30	0	X	0	0	0	0	0.5	0	0	0	1	0.5	20	0	30	X	X	60	M	10	0	0.5	0	40	20	SI&C/GRV	SND	15	5	2C	2C	X			
San Bois Creek	12042	09/28/98	40	0.3	0.4	0.3	6	16	20	5	35	10	0	0	0	30	0	X	0	0	0.5	0	0.5	0	0	0	1	0.5	15	0	20	X	X	70	M	20	0	0.5	0	45	20	SI&C	Si&C	30	10	2C	2C	X			
San Bois Creek	12042	09/28/98	60	0.3	0.6	0.5	7	15	5	10	10	15	0	0	0	60	0	X	0	0	0	0.5	0.5	0	0	0	0.5	0.5	0	0	0	X	X	80	M	30	0	1	0	65	20	SI&C	Si&C	40	10	2B	2B	X			
San Bois Creek	12042	09/28/98	80	1	1.1	0.8	10	15	30	20	10	10	0	0	10	20	0	X	0	0	0.5	0.75	0.5	0	0	0	0	0.25	0	0	10	X	X	70	M	30	0	1.5	0	65	25	SI&C	Si&C	50	20	2B	2B	X			
San Bois Creek	12042	09/28/98	100	0.5	0.6	0.5	6	20	20	20	35	0	25	0	0	0	0	X	X	0	0	0	0	0	0	0	1	0.5	25	15	10	X	X	90	M	0	0	0	0	60	35	SI&C	Si&C	50	10	2B	2B	X			
San Bois Creek	12042	09/28/98	120	0.1	0.1	0.1	10	15	30	30	35	5	0	0	0	0	0	0	X	0	0	0	0.5	0	0	0	2	0	30	25	15	X	X	70	M	20	10	1	0.5	65	30	SI&C	Si&C	50	20	2B	2B	X			
San Bois Creek	12042	09/28/98	140	1	0.6	0.7	10	12	20	20	50	10	0	0	0	0	0	X	0	0	0.5	0	0.5	1	0	0	0.5	0.5	15	0	40	X	X	60	M	20	35	1	1	65	70	SI&C	Si&C	50	30	2B	2B	X			
San Bois Creek	12042	09/28/98	160	0.6	0.9	0.9	10	11	10	40	40	10	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0.25	5	0	45	X	X	65	M	10	40	1	1.5	65	75	SI&C	Si&C	50	35	2B	2B	X			
San Bois Creek	12042	09/28/98	180	0.3	0.3	0.3	5	12	10	25	60	0	0	0	5	0	0	X	0	0	0.5	0	0	0.5	0	0	0.5	0	5	0	60	X	X	65	M	10	20	1	1	70	75	SI&C	Si&C	50	40	1B	2B	X			
San Bois Creek	12042	09/28/98	200	0.8	0.7	0.6	10	12	10	20	60	0	0	0	0	10	0	X	0	0	0	0.5	0.5	0	0	0	0.5	0.5	15	0	55	X	X	75	M	5	20	0.5	1	60	75	SI&C	Si&C	50	40	1B	2B	X			
San Bois Creek	12042	09/28/98	220	0.8	0.9	0.7	6	12	10	35	35	10	10	0	0	0	0	X	0	0	0.5	0	0.5	0.5	0	0	0	0	10	0	30	X	X	70	M	10	25	0.5	1	55	70	SI&C	Si&C	50	40	1B	2B	X			
San Bois Creek	12042	09/28/98	240	0.5	0.8	0.6	8	10	10	30	45	5	0	0	0	10	0	X	0	0	0	0.5	0.5	0.5	0	0	0.5	0	5	0	10	X	X	60	M	20	10	1	0.5	75	60	SI&C	Si&C	50	40	1B	2B	X			
San Bois Creek	12042	09/28/98	260	0.6	0.8	0.4	8	10	10	10	70	10	0	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0.5	0	5	0	35	X	X	60	M	25	5	2	0.5	65	70	BRK/SI&C	Si&C	50	45	1B	2B	X			
San Bois Creek	12042	09/28/98	280	0.7	0.7	0.5	5	10	5	5	65	15	0	0	0	10	0	X	0	0	0	0	0	0	0	0	0.5	0	10	0	15	X	X	50	M	100	0	5	0	80	50	HPC	Si&C	50	50	1B	2B	X			
San Bois Creek	12042	09/28/98	300	0.1	0.6	0.6	10	12	5	5	30	5	0	0	0	55	0	X	0	0	0.25	0	0	0.5	0	0	1	0.5	10	0	5	X	X	50	M	100	0	5	0	85	55	HPC	Si&C	50	50	1B	2B	X			
San Bois Creek	12042	09/28/98	320	0.1	0.1	0.2	5	15	5	5	0	0	0	0	0	90	0	0	X	0	0	0.5	0.5	0	0	0	2	0	5	15	10	X	X	50	M	100	0	4	0	85	40	HPC	Si&C	50	50	1B	2B	X			
San Bois Creek	12042	09/28/98	340	0.1	0.1	0.3	6	12	25	40	5	10	0	0	0	20	0	X	X	0	0	0	0	0	0.5	0	0.5	0	10	15	20	X	X	60	M	90	0	4	0	80	35	HPC	Si&C	50	40	1B	2B	X			
San Bois Creek	12042	09/28/98	360	1	1	0.5	5	15	50	50	0	0	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0.5	0	0	0	10	X	X	60	M	80	10	3	0.5	80	35	HPC	Si&C	50	30	1B	2B	X			
San Bois Creek	12042	09/28/98	380	0.3	0.2	0.2	3	10	45	50	0	0	0	0	5	0	0	X	X	0	0	0	0.5	0	0	0	1	0	5	0	10	X	X	60	M	60	10	2	0.5	75	30	BRK/HPC	Si&C	50	30	1B	2B	X			
San Bois Creek	12042	09/28/98	400	0.4	0.5	0.2	5	10	50	30	5	5	0	0	10	0	0	X	0	0	0.5	0.5	0.75	0	0	0	0.5	0	0	0	5	X	X	70	M	50	0	2	0	75	30	HPC	Si&C	50	20	1B	2B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Mt Fork of San Bois Creek	16762	06/16/99	20	0.2	0.1	0.2	10	30	0	0	5	50	45	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	100	S	0	0	0	0	15	15	CBL	CBL	50	50	1A	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	40	0.2	0.3	0.2	5	20	0	0	5	35	60	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	95	5	0	0	0	90	S	0	0	0	0	25	40	CBL	CBL	50	50	1A	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	60	0.3	0.5	0.4	5	20	0	0	5	55	40	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	0	0	0	95	S	0	0	0	0	25	40	BLD	CBL	50	50	1A	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	80	0.3	0.2	0.2	9	19	0	0	5	65	30	0	0	0	X	0	X	0	0	0	0	0	0	0	0	0	95	5	10	0	0	95	M	0	0	0	0	40	15	CBL	CBL	40	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	100	0.4	0.6	0.5	8	20	0	0	5	75	20	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	25	0	0	95	M	0	0	0	0	45	10	CBL	CBL	25	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	120	0.2	0.2	0.1	8	20	0	0	10	70	20	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	95	5	25	0	0	95	T	0	0	0	0	55	15	CBL	BLD	20	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	140	0.4	0.5	0.3	8	16	0	0	10	80	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	25	0	0	95	S	0	0	0	0	45	25	CBL	CBL	20	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	160	0.3	0.4	0.4	9	16	0	0	10	70	20	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	90	10	15	0	0	95	S	0	0	0	0	45	15	CBL	CBL	20	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	180	0.5	0.4	0.3	10	16	0	0	10	80	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	90	10	15	0	0	90	S	0	0	0	0	50	20	CBL	GVL	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	200	0.2	0.4	0.2	7	18	0	0	20	70	10	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	90	10	25	0	0	95	S	0	0	0	0	40	25	CBL	GVL	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	220	0.3	0.4	0.2	12	21	5	0	20	65	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	90	10	20	0	0	95	S	0	0	0	0	35	40	CBL	SND	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	240	0.5	0.6	0.3	13	18	10	0	20	70	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	80	0	10	0	0	95	S	0	0	0	0	40	40	SI&C	CBL	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	260	0.8	0.8	0.7	15	16	10	5	30	45	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	0	0	0	95	S	0	0	0	0	60	70	SI&C	Si&C	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	280	0.6	0.6	0.4	16	17	10	5	10	50	25	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	10	0	0	95	S	0	0	0	0	60	55	CBL	Si&C	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	300	0.4	0.5	0.3	11	14	5	0	10	55	30	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	10	0	0	95	S	0	0	0	0	40	55	CBL	Si&C	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	320	0.3	0.4	0.3	12	14	0	0	10	40	50	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	0	0	0	95	S	0	0	0	0	40	55	CBL	BLD	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	340	0.3	0.3	0.4	11	13	0	0	5	45	50	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	0	0	0	0	95	S	0	0	0	0	40	50	CBL	CBL	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	360	0.2	0.3	0.2	14	16	0	0	5	55	40	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	0	0	0	95	S	0	0	0	0	35	40	CBL	Si&C	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	380	0.4	0.6	0.3	13	15	5	0	5	30	60	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	0	0	0	95	S	0	0	0	0	40	45	CBL	Si&C	50	50	1B	1B	X			
Mt Fork of San Bois Creek	16762	06/16/99	400	0.7	1.4	0.8	17	18	10	0	10	50	30	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	0	0	0	95	S	0	0	0	0	50	45	BLD	Si&C	50	50	1B	1B	X			
Longtown Creek	11974	08/25/98	20	0	0	0	0	13	0	5	60	25	10	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	90	M	0	0	0	0	65	55	BLD/SND	SND	0	10	2B	1B		10		1
Longtown Creek	11974	08/25/98	40	0.2	0.3	0.2	4	14	1	4	50	15	20	0	10	0	0	X	0	0	0	0.5	0	0	0	0	0.5	0	20	0	10	0	0	80	M	0	0	0	0	80	60	SND	SND	0	5	2B	1B		20	6	1
Longtown Creek	11974	08/25/98	60	0	0	0	0	10	0	40	50	5	0	0	5	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	80	M	0	0	0	0	85	85	SND	SND	0	5	2B	1B		5	2	1
Longtown Creek	11974	08/25/98	80	0.2	0.2	0.2	6	12	0	0	5	0	0	95	0	0	0	X	0	0	0	0	0	0	0	0	0	0	2	0	5	0	0	65	M	10	10	1	1	75	85	SND	SND	0	8	2B	1B		25		2
Longtown Creek	11974	08/25/98	100	0.2	0.5	0.2	3	15	0	3	17	0	0	0	0	80	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0.5	0	0	0	10	0	0	35	T	60	0	2.5	0	80	60	HPC	SND	0	10	2B	1C		50	5	2
Longtown Creek	11974	08/25/98	120	0.1	0.2	0.1	1	15	30	30	40	0	0	0	0	0	0	X	0	0	0	0	0	0	0.5	0	0.5	0	0	0	5	0	0	35	M	100	0	3	0	85	50	HPC	SND	5	10	1B	1C		10		2
Longtown Creek	11974	08/25/98	140	0	0	0	0	15	0	30	60	0	0	0	5	5	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	35	M	100	0	3	0	85	50	HPC	SND	10	5	1B	1C		5	1	
Longtown Creek	11974	08/25/98	160	0	0	0	0	15	0	40	60	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	40	M	100	0	3	0	80	55	HPC	SND	20	10	1B	1B		10	7	1
Longtown Creek	11974	08/25/98	180	0	0	0	0	15	0	40	50	0	0	0	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	45	M	80	10	3	0.5	85	60	HPC	SND	10	5	1C	1C		10		1
Longtown Creek	11974	08/25/98	200	0.1	0.2	0.2	6	12	5	30	50	5	0	0	10	0	0	X	0	0	0	0	0.5	0	0	0	0	0	3	0	20	0	0	60	M	50	20	2	0.5	80	60	HPC	SND	20	5	1C	1C		10		1
Longtown Creek	11974	08/25/98	220	0.1	0.3	0.2	3	12	0	20	60	10	0	0	10	0	0	X	0	0	0	0	0.5	0.25	0	0	0	0	5	0	70	0	0	70	M	30	10	1	0.5	80	55	SND	SND	30	3	1B	1C		20	1	1
Longtown Creek	11974	08/25/98	240	0	0	0	0	14	0	10	30	50	5	0	5	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	45	M	40	20	1	1	65	60	SND	SND	40	5	1B	1C		5	2	1
Longtown Creek	11974	08/25/98	260	0	0	0	0	18	0	10	50	40	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	40	T	20	40	0.5	1.5	45	65	SND	SND	40	10	1C	1C		5	2	1
Longtown Creek	11974	08/25/98	280	0	0	0	0	15	0	15	60	20	0	0	5	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	40	T	0	35	0	1	45	70	SND	SND	50	10	1C	1C	X			
Longtown Creek	11974	08/25/98	300	0.3	0.5	0.2	5	15	5	20	60	10	0	0	5	0	0	X	0	0	0.5	1	0.5	0.5	0	0	0	0	5	0	60	0	0	60	M	0	40	0	1	40	80	SND	SND	50	10	1B	1C	X			
Longtown Creek	11974	08/25/98	320	0	0	0	0	10	0	20	65	10	0	0	5	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	50	M	0	30	0	1	45	70	SND	SND	50	10	1B	1C		10	2	1
Longtown Creek	11974	08/25/98	340	0	0	0	0	12	0	30	50	20	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	40	M	0	0	0	0	55	60	SND	SND	20	5	1B	1C		10	4	2
Longtown Creek	11974	08/25/98	360	0	0	0	0	14	0	40	50	10	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	35	M	0	0	0	0	65	50	SND	SND	10	5	1B	1C		25	10	2
Longtown Creek	11974	08/25/98	380	0	0	0	0	15	0	50	30	10	10	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	30	M	20	10	1	0.5	70	50	SND	SND	0	5	2B	1B		10	4	1
Longtown Creek	11974	08/25/98	400	0	0	0	0	12	0	40	40	10	10	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	40	M	20	0	1	0	75	50	SND	SND	0	10	2B	1B		20	6	1

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Gaines Creek	17558	08/02/99	20	0.8	1	0.8	5	27	25	5	20	0	0	0	0	50	0	X	0	0	0.5	0	0	0	0	0	5	0	5	0	0	0	0	90	S	0	0	0	0	60	35	SI&C	Si&C	0	20	2B	2B	X			
Gaines Creek	17558	08/02/99	40	0.2	0.2	0.2	5	25	15	15	60	0	0	0	10	0	0	X	0	0	0.5	0.5	0	0	0	0	5	0	10	0	0	0	0	80	S	0	0	0	0	60	35	SI&C	Si&C	30	20	1B	2B	X			
Gaines Creek	17558	08/02/99	60	0.1	0.1	0.1	2	27	0	0	25	75	0	0	0	0	X	0	0	0	0	0	0	0	0	0	3	0	20	75	0	0	0	80	S	0	0	0	0	50	30	SI&C	Si&C	30	20	1B	1B	X			
Gaines Creek	17558	08/02/99	80	0.8	0.9	1	19	23	70	5	0	0	0	0	10	15	0	X	0	0	0	2	1	0	0	0	1	0	0	0	10	0	0	50	G	20	20	1.3	1.1	75	45	SI&C	Si&C	30	30	1B	1B	X			
Gaines Creek	17558	08/02/99	100	0.8	0.7	0.3	17	21	35	5	15	0	0	0	5	40	0	X	0	0	0	2	1	0	0	0	0	0	10	0	30	0	0	40	T	10	100	1.3	2.5	60	75	SI&C	Si&C	20	40	1B	1B	X			
Gaines Creek	17558	08/02/99	120	1.3	1.2	0.8	18	21	10	0	0	0	0	0	10	80	0	X	0	0	0	2	1	0	0	0	0	0	0	0	25	0	0	20	T	40	100	1.2	2.8	60	80	SI&C	Si&C	20	50	1B	1B	X			
Gaines Creek	17558	08/02/99	140	0.7	0.9	0.7	18	18	30	0	0	0	0	0	40	30	0	X	0	0	0	5	4	0	0	0	0	0	0	0	25	0	0	0	T	100	100	1.5	2.6	75	80	SI&C	Si&C	20	50	1B	1B	X			
Gaines Creek	17558	08/02/99	160	1	1.3	1.1	20	20	25	0	0	0	0	0	10	65	0	X	0	0	0	2	5	0	0	0	0	0	0	0	35	0	0	0	T	100	100	1.6	2.3	85	75	SI&C	Si&C	20	50	1B	1B	X			
Gaines Creek	17558	08/02/99	180	0.5	0.3	0.5	18	18	40	0	10	0	0	0	30	20	0	X	0	0	0	3	2	0	0	0	0	0	0	0	30	0	0	0	T	100	100	1.6	2.8	85	85	SI&C	Si&C	15	50	1B	1B	X			
Gaines Creek	17558	08/02/99	200	0.5	0.7	0.4	14	18	45	0	20	0	0	0	0	35	0	X	0	0	0	5	2	0	0	0	0	0	0	0	25	0	0	0	T	100	100	1.3	2.8	80	85	SI&C	Si&C	15	50	1B	1B	X			
Gaines Creek	17558	08/02/99	220	0.6	1.5	0.8	14	17	10	0	0	0	0	0	0	90	0	X	0	0	0	2	2	0	0	0	0	0	0	0	70	0	0	10	T	80	20	1.5	2	80	75	SI&C	Si&C	15	50	1B	1B	X			
Gaines Creek	17558	08/02/99	240	0.6	0.8	0.6	15	17	15	0	10	0	0	0	15	60	0	X	0	0	0	3	1	0	0	0	0	0	0	0	60	0	0	20	T	50	20	2.8	2.1	75	70	SI&C	Si&C	15	50	1B	1B	X			
Gaines Creek	17558	08/02/99	260	0.7	0.8	0.4	12	16	60	0	20	0	0	0	20	0	0	X	0	0	0	3	1	0	0	0	0	0	5	0	80	0	0	20	T	100	80	2.2	2.1	75	75	SI&C	Si&C	15	50	1B	1B	X			
Gaines Creek	17558	08/02/99	280	0.4	0.4	0.5	14	17	45	0	15	0	0	0	20	20	0	X	0	0	0	3	1	0	0	0	0	0	0	0	85	0	0	20	T	60	90	1.8	2.1	60	75	SI&C	Si&C	10	50	1B	1B	X			
Gaines Creek	17558	08/02/99	300	0.7	0.8	0.6	12	17	10	0	15	0	0	0	15	60	0	X	0	0	0	5	1	0	0	0	0	0	0	0	50	0	0	20	T	100	80	2.7	1.8	75	70	SI&C	Si&C	10	50	1B	1B	X			
Gaines Creek	17558	08/02/99	320	0.5	0.7	0.5	6	18	70	0	5	0	0	0	25	0	0	X	0	0	0	4	1	0	0	0	0	0	0	0	25	0	0	40	T	100	20	2.1	1.5	60	50	SI&C	Si&C	10	50	2B	1B	X			
Gaines Creek	17558	08/02/99	340	0.6	0.8	0.3	11	17	10	0	25	0	50	0	15	0	0	X	0	0	0	3	1	0	0	0	0	0	10	0	25	0	0	50	T	20	20	2.5	1.5	50	50	BLD	Si&C	0	50	2B	1B	X			
Gaines Creek	17558	08/02/99	360	0.7	0.9	0.3	10	17	55	0	10	0	20	0	15	0	0	X	0	0	0	2	1	0	0	0	0	0	10	0	5	0	0	75	T	0	0	0	0	60	35	BLD	Si&C	0	50	2B	1B	X			
Gaines Creek	17558	08/02/99	380	0.8	1.1	0.2	10	14	25	0	5	0	10	0	20	40	0	X	0	0	0	2	1	0	0	0	0	0	10	0	10	0	0	80	T	0	0	0	0	60	45	BLD	Si&C	0	50	2B	1B	X			
Gaines Creek	17558	08/02/99	400	0.8	0.7	0.5	11	14	50	0	5	0	10	0	15	20	0	X	0	0	0	3	1	0	0	0	0	0	10	0	30	0	0	75	T	0	0	0	0	65	45	BLD	Si&C	0	50	2B	1B	X			
Beaver Creek	11844	09/22/98	20	0.2	0.5	0.3	6	8	0	0	0	0	0	0	0	100	0	X	0	0	0	0	0	0	0	0	0	0	10	0	50	0	0	90	S	0	0	0	0	50	70	CLY	HPC	10	50	2B	2B	X			
Beaver Creek	11844	09/22/98	40	0.3	0.4	0.5	6	8	5	5	10	0	0	0	0	80	0	0	X	0	0	0	0	0	0	0	0	0	5	0	50	0	0	90	S	0	0	0	0	75	85	HPC	HPC	10	50	2B	2B	X			
Beaver Creek	11844	09/22/98	60	0.2	0.1	0.1	3	13	5	5	15	0	0	0	0	75	0	0	X	0	0	0	0	0	0	0	0	0	5	0	25	0	0	80	S	0	0	0	0	60	45	HPC	HPC	10	50	2B	2B	X			
Beaver Creek	11844	09/22/98	80	0.5	0.5	0.4	8	10	15	20	5	0	0	0	0	60	0	X	0	0	0	0	0	0	0	0	0	0.5	0	0	10	0	0	75	S	0	0	0	0	70	75	HPC	HPC	40	50	1B	1B	X			
Beaver Creek	11844	09/22/98	100	0.5	0.7	0.5	8	10	5	0	0	0	0	0	0	95	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	60	M	25	25	1	1.2	85	80	HPC	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	120	0.5	0.7	0.7	7	10	5	0	0	0	0	0	0	95	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	M	0	25	0	1.2	70	80	HPC	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	140	0.5	0.6	0.6	7	9	5	0	0	0	0	0	0	95	0	X	0	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	50	S	0	50	0	2.5	55	85	HPC	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	160	0.2	0.3	0.2	6	9	15	0	0	0	0	0	0	85	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	60	M	0	0	0	0	50	80	SI&C	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	180	0.2	0.1	0.1	5	9	5	0	0	0	0	0	0	95	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	10	0	0	25	T	0	75	0	2	60	70	SI&C	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	200	0.3	0.6	0.5	8	12	5	5	5	0	0	0	0	85	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	30	0	0	25	T	0	90	0	2.5	80	75	SI&C	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	220	0.3	0.4	0.4	6	7	0	0	0	0	0	0	0	100	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	30	T	75	90	2.5	1.7	70	85	HPC	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	240	0.1	0.3	0.1	4	12	30	0	0	0	0	0	0	70	0	0	X	0	0	0.5	0.5	0.5	0	0	0	0	0	0	10	0	0	50	M	90	0	2.5	0	60	80	HPC	Si&C	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	260	0.2	0.4	0.4	6	7	10	0	0	0	0	0	0	90	0	X	0	0	0	0.5	0	0	0	0	0	0	0	0	25	0	0	60	M	50	0	0.7	0	45	85	HPC	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	280	0.1	0.2	0.1	4	14	40	0	0	0	0	0	0	60	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	20	0	0	50	M	50	0	2.5	0	60	75	HPC	Si&C	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	300	0.6	0.8	0.6	7	8	50	0	0	0	0	0	0	50	0	X	0	0	0	1	0	0	0	0	0	0	0	0	5	0	0	50	M	90	0	2.5	0	75	70	HPC	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	320	0.1	0.1	0.1	3	12	0	0	0	0	0	0	0	100	X	0	0	0	0	5	2	0	0	0	0	0	0	0	10	0	0	50	S	0	50	0	2.7	70	85	SI&C	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	340	0.5	0.8	0.4	5	9	50	0	0	0	0	0	0	50	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	10	0	0	50	M	0	100	0	1.5	60	75	SI&C	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	360	1	0.1	0.5	6	12	50	0	0	0	0	0	0	50	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	90	0	0	50	M	0	100	0	3	50	80	SI&C	HPC	50	50	1B	1B	X			
Beaver Creek	11844	09/22/98	380	0.4	0.3	0.4	8	10	90	0	0	0	0	0	10	0	0	0	X	0	0	1	1	0	0	0	0	0	0	0	20	0	0	50	M	0	100	0	3	60	70	SI&C	HPC	50	50	1B	2B	X			
Beaver Creek	11844	09/22/98	400	0.5	0.8	0.6	7	9	100	0	0	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0.5	0	0	25	0	0	85	M	0	0	0	0	70	75	SI&C	Si&C	50	50	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Willow Creek	17547	10/28/99	20	0.2	0.2	0.1	7	9	20	80	0	0	0	0	0	0	0	X	0	0	0	0	2	0	0	0	0	0	0	0	25	0	X	70	T	10	0	0.3	0	45	60	SND	SND	4	4	1B	1C		40	1	2
Willow Creek	17547	10/28/99	40	0.1	0.1	0.1	4	10	0	100	0	0	0	0	0	0	0	0	X	0	0	0	1	0	0	0	0	0	0	0	15	0	X	80	T	0	20	0	0.3	50	30	SND	SND	2	5	1B	1C		60		
Willow Creek	17547	10/28/99	60	0.1	0.1	0.1	5	11	0	80	0	0	0	0	20	0	0	0	X	0	0	0	1	0	0	2	0	0	0	0	10	X	X	60	T	0	0	0	0	60	30	SND	SND	3	3	1C	1C		100	2	2
Willow Creek	17547	10/28/99	80	0.1	0.1	0.1	6	11	0	60	0	0	0	0	40	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	5	0	X	50	S	0	10	0	0.5	30	40	SND	SND	10	2	1C	1C		80		1
Willow Creek	17547	10/28/99	100	0.1	0.1	0.1	4.5	12	0	90	0	0	0	0	10	0	0	0	X	0	0	0	2	0	0	1	0	0	0	0	40	X	X	50	T	0	10	0	0.5	30	45	SND	SND	15	2	1B	1B		50	3	5
Willow Creek	17547	10/28/99	120	0.1	0.1	0.1	5	11	0	100	0	0	0	0	0	0	0	0	X	0	0	0	1	0	0	0	0	0	0	0	30	X	X	60	T	0	0	0	0	35	45	SND	SND	2	3	1C	1B		100		6
Willow Creek	17547	10/28/99	140	0.2	0.3	0.3	6	9	30	40	0	0	0	0	30	0	0	X	0	0	0	0	2	2	0	2	0	0	0	0	0	0	X	40	T	0	0	0	0	40	40	SND	SND	0	0	2C	2C		30	2	
Willow Creek	17547	10/28/99	160	0.8	0.9	0.7	5	9	30	10	0	0	0	0	60	0	0	X	0	0	0	0	3	1	0	1	0	2	0	0	0	0	0	70	G	0	0	0	0	45	55	SND	SND	0	0	2C	2C		10		
Willow Creek	17547	10/28/99	180	0.1	0.2	0.3	5	10	20	50	0	0	0	0	30	0	0	X	0	0	0	0	2	0	0	2	0	0	0	0	0	0	X	50	S	15	0	0.5	0	60	30	SND	SND	4	6	1C	1C		60		1
Willow Creek	17547	10/28/99	200	0.2	0.2	0.1	1	11	0	80	0	0	0	0	20	0	0	0	X	0	0	0	2	2	0	1	0	3	0	0	0	0	X	40	S	0	40	0	0.3	40	35	SND	SND	3	0	1C	2C		60		2
Willow Creek	17547	10/28/99	220	0.2	0.2	0.1	7	12	0	60	0	0	0	0	40	0	0	X	0	0	0	0	0	0	0	0	0	1	0	0	5	X	X	40	S	30	0	0.5	0	60	35	SND	SND	0	0	2D	2C		90	3	2
Willow Creek	17547	10/28/99	240	0.1	0.1	0.1	3	6	0	100	0	0	0	0	0	0	0	0	X	0	0	0	2	0	0	0	0	2	0	0	5	0	0	65	S	40	0	1	0	70	55	SND	SND	0	12	2B	2C		0		2
Willow Creek	17547	10/28/99	260	0.1	0.1	0.1	6	9	0	70	0	0	0	0	30	0	0	0	X	0	0	0	1	0	0	0	0	0	0	0	10	0	X	65	G	0	40	0	0.3	55	50	SND	SND	5	25	1C	1C		30		1
Willow Creek	17547	10/28/99	280	0.1	0.1	0.1	5	12	0	70	0	0	0	0	30	0	0	0	X	0	0	0	4	0	0	0	0	0	0	0	30	X	X	30	S	25	0	0.5	0	50	45	SND	SND	5	15	1C	1C		25	3	1
Willow Creek	17547	10/28/99	300	0.1	0.1	0.1	4	10	0	60	0	0	0	0	40	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	X	30	S	0	30	0	0.5	45	55	SND	SND	0	5	2D	1B		40		
Willow Creek	17547	10/28/99	320	0.1	0.1	0.1	6	14	0	80	0	0	0	0	20	0	0	0	X	0	0	0	0	0	0	0	0	2	0	0	10	X	X	50	T	0	10	0	0.3	35	50	SND	SND	4	2	1C	1C		80		1
Willow Creek	17547	10/28/99	340	0.1	0.1	0.1	3	15	0	100	0	0	0	0	0	0	0	0	X	0	0	0	1	0	0	0	0	0	0	0	5	0	X	40	T	0	0	0	0	25	45	SND	SND	4	6	1C	2C		100		6
Willow Creek	17547	10/28/99	360	0.1	0.1	0.1	3	15	0	80	0	0	0	0	20	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	10	X	X	50	T	0	0	0	0	45	50	SND	SND	3	0	1B	2C		40		
Willow Creek	17547	10/28/99	380	0.1	0.1	0.1	4	16	0	80	0	0	0	0	20	0	0	0	X	0	0	0	2	2	0	0	0	0	0	0	25	X	X	60	T	0	15	0	0.5	50	55	SND	SND	5	3	1C	1B		10		
Willow Creek	17547	10/28/99	400	0.1	0.1	0.1	3	14	0	100	0	0	0	0	0	0	0	0	X	0	0	3	1	0	0	0	0	0	0	0	15	0	X	70	T	0	0	0	0	20	50	SND	SND	10	12	1C	1C	X			
Deep Fork River: Eastern	17571	07/08/99	20	0.4	0.8	0.4	9	15	0	95	0	4	1	0	0	0	0	X	0	0	0	0	1	0	4	0	0	0	35	0	5	X	X	70	M	0	0	0	0	70	70	BRK	SND	20	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	40	0.1	0.1	0.1	4	17	0	0	0	0	0	100	0	0	X	0	0	0	0	0	0.5	0	5	0	0	0	1	0	0	X	X	80	M	5	80	1	2	75	70	BRK	SND	0	5		1B	X			
Deep Fork River: Eastern	17571	07/08/99	60	0.1	0.1	0.6	6	18	0	40	0	0	0	0	0	60	0	X	0	0	0	0	0.5	1	6.5	0	0	0	2	0	40	X	X	55	M	0	75	0	3	75	80	SND	HPC	0	5		1B	X			
Deep Fork River: Eastern	17571	07/08/99	80	0.6	0.2	0.3	12	20	0	60	0	20	0	10	0	10	0	X	0	0	0	0	0	0.5	8	0	0	0	3	0	25	X	X	45	M	0	90	0	3	65	85	BRK	HPC	0	5		1B	X			
Deep Fork River: Eastern	17571	07/08/99	100	0.6	0.2	0.1	12	18	0	70	0	20	0	10	0	0	0	X	0	0	0	1.5	1	1.5	0	0	0	0	3.5	0	30	X	X	55	M	20	30	2	3	90	80	HPC	SND	30	10	1B	1B	X			
Deep Fork River: Eastern	17571	07/08/99	120	0.6	0.4	0.2	15	18	0	40	0	0	10	0	0	0	0	X	0	0	0	2	1.5	0	1.5	0	0	0	2.5	0	10	0	X	65	M	20	50	1	1	80	75	HPC	SND	40	12	1B	1A	X			
Deep Fork River: Eastern	17571	07/08/99	140	0.5	0.3	0.1	15	18	0	90	0	5	5	0	0	0	0	X	0	0	0	2.5	2	0	1	0	0	0.5	5	0	20	0	X	80	M	100	0	3	0	90	80	SND	SND	50	12	1B	1A	X			
Deep Fork River: Eastern	17571	07/08/99	160	0.5	0.5	0.3	15	18	0	45	5	10	0	0	0	40	0	X	0	0	1	1	1.5	0	0	0	0	1	8	0	15	0	X	95	M	0	10	0	2	70	80	SND	HPC	50	12	1B	1A	X			
Deep Fork River: Eastern	17571	07/08/99	180	0.2	0.2	0.3	10	20	0	10	0	0	0	0	0	90	X	X	0	0	1.5	1.5	0	1	0	0	0	0	3	0	15	0	X	90	M	0	10	0	3	65	80	SND	HPC	50	12	1B	1A	X			
Deep Fork River: Eastern	17571	07/08/99	200	0.4	0.4	0.2	12	18	0	20	0	30	0	0	0	50	X	X	0	0	0	0.5	0.5	0	3	0	0	0.5	7.5	0	20	X	X	85	M	0	40	0	2	65	80	SND	HPC	50	12	1B	1A	X			
Deep Fork River: Eastern	17571	07/08/99	220	0.4	0.4	0.2	8	18	0	25	0	0	10	0	0	70	0	X	0	0	0	0.75	0.5	0.5	3	0	0	0.75	2	0	15	X	X	85	M	0	50	0	3	65	80	SND	HPC	50	5	1B	1A	X			
Deep Fork River: Eastern	17571	07/08/99	240	0.2	0.3	0.4	12	18	0	30	0	5	0	0	0	65	0	X	0	0	0	0.5	0	0	4	0	0.75	0	3	0	10	0	X	70	G	0	100	0	3	70	80	SND	HPC	50	5	1B	1A	X			
Deep Fork River: Eastern	17571	07/08/99	260	0.4	0.5	0.4	8	15	0	25	0	15	0	0	0	60	0	X	0	0	0	0	0.5	0	3.5	0	0.5	0	4	0	0	X	X	85	M	0	30	0	4	60	75	SND	HPC	50	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	280	0.5	0.5	0.3	17	19	0	20	0	0	0	0	0	80	0	X	0	0	0	2.5	2.5	0	3	0	0.5	0	2	0	15	X	X	85	M	0	20	0	2	70	75	SND	HPC	50	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	300	0.3	0.4	0.3	18	20	0	0	0	10	5	0	0	85	0	X	0	0	0	0.75	0.5	0	3	0	0	0	3	0	25	0	X	90	M	0	0	0	0	60	80	HPC	HPC	50	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	320	0.3	0.4	0.2	15	18	0	40	0	0	0	0	0	60	0	X	0	0	0	0	0	0	3.5	0	0	0	1.5	0	10	0	X	95	M	0	0	0	0	80	75	SND	HPC	50	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	340	0.2	0.4	0.1	15	18	0	30	0	0	0	0	0	70	0	X	0	0	0	0	0	0	2.5	0	0	0.5	1	0	10	0	X	100	M	0	0	0	0	65	80	SND	HPC	50	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	360	0.2	0.3	0.1	15	18	0	40	0	0	0	0	0	60	0	X	0	0	0.5	0	0	0.75	3	0	0	0.5	0	0	15	X	X	95	M	0	15	0	1	65	85	SND	HPC	50	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	380	0.8	1.1	1.1	18	20	0	25	0	0	0	0	0	75	0	X	0	0	0	0	0	0	5	0	1	0	1	0	0	0	X	65	M	0	100	0	4	70	85	SND	HPC	50	0	1B		X			
Deep Fork River: Eastern	17571	07/08/99	400	0.6	1	1.1	20	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	2.5	0	1	0.5	1	0	0	0	X	70	M	0	100	0	4	65	90	SND	HPC	50	0	1B		X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Greenleaf Creek	11930	08/19/98	20	0.1	0.2	0.1	8	45	0	10	20	60	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	40	G	0	0	0	0	15	15	SND/CBL	SND/CBL	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	40	0.6	0.4	0.1	17	30	0	10	15	65	5	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	0	0	0	80	S	0	10	0	1.8	25	30	SND/GVL	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	60	1.2	0.6	0.2	20	25	0	10	35	50	0	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	5	0	0	80	M	0	20	0	1.5	40	70	SND	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	80	0.7	0.7	0.2	18	20	0	10	70	18	0	0	2	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	60	0	10	0	0	75	M	20	0	2	0	75	75	SND	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	100	1.4	0.6	0.3	13	20	0	8	75	15	0	0	2	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	60	0	25	0	0	60	M	75	0	2	0	80	75	SND	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	120	0.3	0.1	0.4	17	22	0	5	75	15	0	0	5	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	70	0	40	0	0	70	M	0	0	0	0	80	80	SND	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	140	0.3	0.7	0.6	6	20	0	10	30	50	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	30	X	X	60	M	0	75	0	2	70	80	SND	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	160	0.3	0.6	0.4	9	21	0	2	15	8	5	70	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	40	0	25	X	X	50	M	0	100	0	2.5	65	80	SND	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	180	0.1	0.1	0.1	3	25	0	2	18	75	5	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	40	0	10	X	X	50	M	0	100	0	3	60	80	SND/GVL	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	200	0.1	0.1	0.1	2	35	0	2	15	65	18	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	40	25	0	X	X	50	M	0	100	0	2.6	40	85	GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	220	0.2	0.4	0.3	7	27	0	2	8	20	20	50	0	0	0	X	0	0	0	0	0	0	0	0	0	0	50	0	0	X	X	30	M	0	100	0	3	30	85	CBL/GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	240	0.2	0.5	0.3	8	32	0	2	20	70	8	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	0	X	X	30	M	0	100	0	3	30	80	CBL/GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	260	0.1	0.1	0.1	1	30	0	0	0	60	20	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	50	15	0	0	0	50	S	0	100	0	2.8	30	85	CBL/GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	280	0.2	0.3	0.2	4	30	0	5	10	70	15	0	0	0	0	X	0	0	0	0	0	0	0	0	1	0	50	0	0	0	0	50	M	0	90	0	2.7	40	85	CBL/GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	300	0.3	0.5	0.5	18	27	0	1	0	4	5	90	0	0	0	X	0	0	0	0	0	0	0.5	0	0.5	0	20	0	0	0	0	50	M	0	90	0	3	40	85	CBL/GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	320	0.1	0.2	0.1	5	32	0	0	0	5	5	85	5	0	0	X	0	0	0	0	0	0	0.5	0	0.5	0	10	0	0	0	0	60	M	0	60	0	3	40	85	CBL/GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	340	0.4	0.7	0.4	20	50	0	10	15	30	40	0	5	0	0	X	0	0	0	0	0	0	0.5	0	0.5	0	60	0	0	0	0	70	M	0	25	0	2	30	85	CBL/GRV	SND	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	360	1.5	1.5	1.5	18	24	0	15	20	30	30	0	5	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	70	0	10	0	0	80	M	0	0	0	0	45	60	SND	BRK	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	380	1.5	1.5	1.5	25	28	0	15	30	20	30	0	5	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	70	0	10	0	0	90	M	0	0	0	0	50	60	SND	BRK	50	50	1B	1B	X			
Greenleaf Creek	11930	08/19/98	400	1.5	1.5	1.5	30	32	0	15	25	25	30	0	5	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	70	0	5	0	0	95	M	0	0	0	0	45	65	SND	SND	50	50	1B	1B	X			
Rabb Creek	17555	07/29/99	20	0.1	0.1	0.1	3	7	25	5	50	10	10	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	20	60	50	0	0	20	T	20	60	2	2	70	75	SI&C	Si&C	25	15	1C	1C	X			
Rabb Creek	17555	07/29/99	40	0.2	0.2	0.2	6	8	55	0	5	0	0	0	0	40	0	X	0	0	0	0	0.5	0	0	0	0	0	10	0	90	0	0	10	T	100	100	2	2	70	70	SI&C	Si&C	20	25	1C	1C	X			
Rabb Creek	17555	07/29/99	60	0.2	0.3	0.2	5	9	70	5	5	0	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0	0	0	0	85	0	0	10	T	90	100	2	2.8	60	70	SI&C	Si&C	20	30	1C	1C	X			
Rabb Creek	17555	07/29/99	80	0.2	0.3	0.2	6	8	60	5	10	5	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0	0	5	0	85	0	0	20	T	0	100	0	2.1	55	80	SI&C	Si&C	10	25	1C	1C	X			
Rabb Creek	17555	07/29/99	100	0.1	0.1	0.1	2	9	75	0	20	5	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	5	90	85	0	0	30	T	50	50	1.8	1.6	75	55	SI&C	Si&C	8	20	1C	1C				2
Rabb Creek	17555	07/29/99	120	0.2	0.1	0.1	4	8	65	0	10	10	0	0	5	10	0	X	0	0	0	0	0	0	0	0	0	0	10	0	85	0	0	20	T	75	50	1.8	1.7	70	60	SI&C	Si&C	5	20	1C	1C	X			
Rabb Creek	17555	07/29/99	140	0.5	0.8	0.4	5	8	35	0	0	0	0	0	15	50	0	X	0	0	0	1	1	0	0	0	0	0	0	0	85	0	0	15	T	50	20	3	1.5	60	70	SI&C	Si&C	5	20	1C	1C	X			
Rabb Creek	17555	07/29/99	160	0.2	0.3	0.1	6	9	15	0	10	0	0	0	0	75	0	X	0	0	0	0	0	0	0	0	0	0	5	0	85	0	0	15	T	85	100	2	3.2	60	65	SI&C	Si&C	5	0	2C	2C	X			
Rabb Creek	17555	07/29/99	180	0.1	0.2	0.1	2	10	90	0	10	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	5	0	25	X	X	10	G	0	100	0	3.2	45	80	SI&C	Si&C	5	0	2C	2C	X			
Rabb Creek	17555	07/29/99	200	0.2	0.2	0.2	5	8	70	0	0	10	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	15	G	20	90	1.2	3.2	60	80	SI&C	Si&C	0	0	2C	2C	X			
Rabb Creek	17555	07/29/99	220	0.1	0.1	0.1	4	7	85	0	5	0	0	0	0	10	0	0	X	0	0	0	0	0	0	0	0	0	2	95	10	X	X	0	O	100	100	1.5	2.8	75	80	SI&C	Si&C	0	0	2C	2C				3
Rabb Creek	17555	07/29/99	240	0.1	0.2	0.2	2	8	85	0	5	0	0	0	0	10	0	0	X	0	0	0	0	0	0	0	0	0	2	95	50	X	X	30	T	10	100	1	3.5	40	80	SI&C	Si&C	0	0	2C	2B	X			
Rabb Creek	17555	07/29/99	260	0.1	0.2	0.1	2	8	75	0	5	0	0	0	0	20	0	0	X	0	0	0	0	0	0	0	0	0	2	95	75	X	X	15	T	0	100	0	3.5	40	75	SI&C	Si&C	0	0	2C	2B				1
Rabb Creek	17555	07/29/99	280	0.3	0.4	0.3	4	7	75	5	20	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	2	0	80	X	X	20	T	0	75	0	3.5	45	75	SI&C	Si&C	0	0	2C	2B				1
Rabb Creek	17555	07/29/99	300	0.1	0.1	0.1	2	9	65	10	25	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	2	90	75	X	X	25	T	0	40	0	1.5	55	60	SI&C	Si&C	0	0	2C	2B				3
Rabb Creek	17555	07/29/99	320	0.2	0.3	0.2	6	9	75	5	10	0	0	0	10	0	0	X	0	0	0	0.5	0.5	0.5	0	0	0	0	2	0	85	0	0	25	T	50	20	2.2	1.6	80	60	SI&C	Si&C	0	0	2C	2B	X			
Rabb Creek	17555	07/29/99	340	0.1	0.1	0.1	1	9	90	0	10	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	2	95	70	X	X	25	T	90	0	3	0	80	40	SI&C	Si&C	0	0	2C	2B	X			
Rabb Creek	17555	07/29/99	360	0.1	0.1	0.1	2	9	40	0	10	0	0	0	0	50	0	X	0	0	0	0	0	0	0	0	0	0	2	0	30	X	X	10	T	90	30	3	1.2	80	40	SI&C	Si&C	0	0	2C	2B	X			
Rabb Creek	17555	07/29/99	380	0.1	0.1	0.1	1	9	75	5	20	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	5	90	10	X	X	25	T	90	20	3.2	1.8	60	45	SI&C	Si&C	0	20	2C	2B	X			
Rabb Creek	17555	07/29/99	400	0.1	0.1	0.1	1	9	65	5	10	0	0	0	0	20	0	0	X	0	0	0	0	0	0	0	0	0	5	95	10	0	0	0	O	100	0	3.5	0	80	45	SI&C	Si&C	0	40	2C	2B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Hogshooter Creek	11939	09/04/98	20	0.1	0.1	0.1	4	6	5	0	0	0	0	85	10	0	0	X	0	0	0	0	1	1	1.5	0	0	0.5	2	0	10	X	X	70	S	75	0	0.5	0	80	80	BRK	BRK	0	0			X			
Hogshooter Creek	11939	09/04/98	40	0.1	0.1	0.1	4	7	5	0	5	0	0	85	5	0	0	X	0	0	0	0	0.5	0.5	2	0	0.5	0	2.5	0	10	0	X	75	S	15	0	1	0	80	70	BRK	BRK	0	0			X			
Hogshooter Creek	11939	09/04/98	60	0	0	0	0	8	0	0	0	0	0	0	0	0	0	X	0	0	0	0	0.75	0	1.5	0	0	0	1.5	0	0	0	X	80	S	0	20	0	1	80	85	BRK	BRK	0	25		1B	X			
Hogshooter Creek	11939	09/04/98	80	0.1	0	0.1	5	9	5	0	0	0	0	85	10	0	0	X	0	0	0	1	2	0.5	2	0	0	0	2.5	0	25	X	X	70	M	0	20	0	1	80	85	BRK	Si&C	0	25		1B	X			
Hogshooter Creek	11939	09/04/98	100	0.1	0.2	0.3	6	11	5	0	0	0	0	90	5	0	0	X	0	0	0	0.5	0.75	0.25	1.5	0	0	0	1.5	0	25	0	X	85	M	0	0	0	0	80	75	BRK	GVL	0	50		1B	X			
Hogshooter Creek	11939	09/04/98	120	0.1	0.2	0.2	4	12	5	0	0	0	0	90	5	0	0	X	0	0	0	0	0	0	1	0	0	0	1	0	0	0	X	90	M	0	0	0	0	75	70	BRK	CBL	0	50		1B	X			
Hogshooter Creek	11939	09/04/98	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	70	M	75	10	1.5	0.5	75	60	BRK	CBL	0	50		2B	X			
Hogshooter Creek	11939	09/04/98	160	0.1	0.1	0.1	3	13	25	30	40	0	0	0	5	0	0	X	0	0	0	1.5	1.5	0.5	0	0	0	0	1	0	70	X	X	55	M	0	10	0	1	70	75	CBL	Si&C	0	50		1B	X			
Hogshooter Creek	11939	09/04/98	180	0.1	0.2	0.1	3	12	10	10	5	5	65	0	5	0	0	X	0	0	0.5	0	0.5	0.5	1.5	0	0	0.25	2	0	50	X	X	80	M	0	0	0	0	70	80	BLD	Si&C	0	30		1B	X			
Hogshooter Creek	11939	09/04/98	200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	90	M	0	0	0	0	80	80	BLD	Si&C	0	10		1B	X			
Hogshooter Creek	11939	09/04/98	220	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	0	0	0	0	0.5	0	1	0	0	0	1.5	0	90	X	X	90	M	0	0	0	0	65	85	BLD	BRK	0	15		1B	X			
Hogshooter Creek	11939	09/04/98	240	0.1	0.2	0.1	2.5	10	0	0	10	0	0	80	10	0	0	X	0	0	0	0	0	0	3	0	0	0	2.5	0	0	X	X	90	G	0	0	0	0	65	90	GRV	BRK	0	15		1B	X			
Hogshooter Creek	11939	09/04/98	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	90	G	0	0	0	0	70	90	GRV	BRK	0	15		1B	X			
Hogshooter Creek	11939	09/04/98	280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	0	0	0.75	0	1	1.5	0	0	0	0	2	0	75	X	X	70	M	0	15	0	1.5	65	85	GRV	BRK	0	15		1B	X			
Hogshooter Creek	11939	09/04/98	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	95	M	0	0	0	0	75	85	GRV	CBL	0	25		1B	X			
Hogshooter Creek	11939	09/04/98	320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	95	M	0	0	0	0	75	70	GRV	GVL	0	20		1B	X			
Hogshooter Creek	11939	09/04/98	340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	95	M	0	0	0	0	80	70	BLD	CBL	0	25		1B	X			
Hogshooter Creek	11939	09/04/98	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	90	M	0	0	0	0	80	75	CBL	BRK	0	25		1B	X			
Hogshooter Creek	11939	09/04/98	380	0.1	0.3	0.2	4	12	5	20	30	15	30	0	5	0	0	X	0	0	0	0	0	0	2.5	0	0	0	2	0	10	X	X	95	M	0	0	0	0	80	90	BLD	BRK	0	20		1B	X			
Hogshooter Creek	11939	09/04/98	400	0.1	0.2	0.1	3	14	5	0	15	15	0	60	5	0	0	X	0	0	0	0	0.5	0	3	0	0	0	15	0	15	X	X	95	M	0	0	0	0	60	90	GRV	BRK	0	20		1B	X			
Lightning Creek	17574	08/06/99	20	0.1	1.1	1.1	16	16	10	20	40	20	0	0	10	0	0	X	0	0	0	1	1	0.5	0.5	0	0	0	5	0	40	0	0	70	T	100	50	1	1.5	75	75	SI&C	Si&C	50	30	1A	1B	X			
Lightning Creek	17574	08/06/99	40	1.3	1.2	1.1	16	16	90	0	0	0	0	0	10	0	0	X	0	0	1	0.5	1	1	0	0	0	0.5	0	0	50	0	0	60	M	100	10	1.5	1	80	75	SI&C	Si&C	50	40	1A	1A	X			
Lightning Creek	17574	08/06/99	60	1.2	1.3	1.1	14	14	90	0	0	0	0	0	10	0	0	X	0	0	0.5	1.5	1	0.75	0	0	0	1	0	0	35	0	X	70	M	100	0	1	0	85	75	SI&C	Si&C	50	40	1A	1A	X			
Lightning Creek	17574	08/06/99	80	1	1.2	1.1	14	14	85	0	0	0	0	0	15	0	0	X	0	0	0.5	1	0.75	0.5	0	0	0	0.5	0	0	55	0	X	65	T	95	10	1	1	85	80	SI&C	Si&C	50	40	1A	1A	X			
Lightning Creek	17574	08/06/99	100	0.3	1.1	1	17	18	85	0	10	0	0	0	5	0	0	X	0	0	0	3.5	2	0.5	0	0	0	0	0	0	20	0	X	70	M	90	40	1.5	1	85	80	SI&C	Si&C	50	40	1A	1A	X			
Lightning Creek	17574	08/06/99	120	1.1	1.3	1	17	17	75	0	0	0	0	0	5	20	0	X	0	0	0	4	1.5	0.5	0	0	0	0	0	0	30	0	X	65	M	60	50	1.5	1.5	80	75	SI&C	HPC	50	40	1A	1A	X			
Lightning Creek	17574	08/06/99	140	1	1.4	1.2	12	12	70	0	0	0	0	0	5	25	0	X	0	0	0.5	0.5	1	1	1	0	0	0	0.5	0	25	0	X	75	M	75	60	1	1	85	80	SI&C	HPC	50	40	1A	1A	X			
Lightning Creek	17574	08/06/99	160	0.8	1.1	0.6	14	15	85	0	0	0	0	0	15	0	0	X	0	0	0.5	0.5	0.75	0.5	0	0	0	0.5	0	0	40	0	X	65	M	75	100	1	1	80	85	SI&C	Si&C	50	15	1A	1A	X			
Lightning Creek	17574	08/06/99	180	0.9	1.1	0.5	13	15	85	0	0	0	0	0	15	0	0	X	0	0	0.5	0	1.5	0.75	0	0	0	0.5	0	0	25	0	X	60	M	80	10	2.5	1	85	70	HPC	Si&C	50	15	1A	1A	X			
Lightning Creek	17574	08/06/99	200	0.7	1	0.4	13	17	70	0	0	0	0	0	10	20	0	X	0	0	0.75	1.5	2	0	0	0	0	0	0	0	20	0	X	65	T	100	0	2	0	85	65	HPC	Si&C	50	15	1A	1A	X			
Lightning Creek	17574	08/06/99	220	0.6	0.9	0.3	9	19	80	0	0	0	0	0	5	15	0	X	0	0	0	1	1.5	0.5	0	0	0	0	0	0	0	0	X	50	M	100	0	1	0	85	50	HPC	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	240	0.3	0.3	0.4	12	15	35	0	20	25	0	0	20	0	0	X	0	0	0	2	1	0.75	0	0	1	0	13	0	5	X	X	75	M	70	0	1	0	80	60	HPC	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	260	0.8	0.9	0.5	15	16	40	0	25	20	0	0	15	0	0	X	0	0	0	1.5	2.5	0	0	0	0	0	10	0	10	0	X	70	M	15	0	1	0	70	70	CBL	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	280	0.1	0.1	0.1	5	18	15	0	50	25	0	0	10	0	X	0	0	0	0.75	3.5	3	1.5	0	0	0	0.5	20	10	15	X	X	65	M	50	80	1	1.5	65	70	CBL	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	300	0.8	1.3	1.2	15	16	20	0	30	35	0	0	15	0	0	X	0	0	0	0	1	0.5	0	0	0.5	0	15	0	5	X	X	75	M	10	10	0.5	1	65	80	CBL	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	320	0.7	1.4	1.3	16	16	40	0	20	25	0	0	15	0	0	X	0	0	0.5	0.5	1	0.5	0	0	0	0.5	18	0	30	0	X	75	M	30	20	0.5	1	70	80	HPC	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	340	0.8	1.3	1	16	18	50	0	0	0	0	0	10	40	0	X	0	0	0	2	3.5	0	0	0	0	0.5	3	0	35	0	X	70	M	0	60	0	1	65	80	HPC	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	360	1	1.3	1.2	18	19	4	0	0	0	0	0	20	35	0	X	0	0	0.5	0	1	1	0	0	0	0	0	0	10	0	X	50	M	100	30	3.5	0.5	75	80	HPC	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	380	1.2	1.4	1	20	20	65	0	0	0	0	0	15	20	0	X	0	0	0.75	0	1	1.5	0	0	0	0	0.5	0	40	0	X	60	M	100	70	2.5	1	80	80	HPC	Si&C	50	50	1A	1A	X			
Lightning Creek	17574	08/06/99	400	0.7	1	0.8	17	18	80	0	0	0	0	0	0	20	0	X	0	0	0.5	2.5	1.5	0.5	0	0	0	0	0	0	35	0	X	80	M	20	35	1	0.5	75	75	HPC	Si&C	50	50	1A	1A	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
California Creek	17533	08/09/99	20	0.3	0.3	0.3	5	8	20	0	10	30	40	0	0	0	X	X	0	0	0	0	0.5	0	0	0	0.5	0	30	10	40	0	X	85	M	0	0	0	0	75	70	BLD/SLT	BLD	10	10	1B	1B	X			
California Creek	17533	08/09/99	40	0.1	0.2	0.4	6	10	40	0	20	30	0	0	10	0	0	X	0	0	0	0	0.5	0	0	0	3	0	40	0	10	X	X	90	M	0	20	0	1	80	75	BLD/SLT	Si/BLD	0	0	1C	1C	X			
California Creek	17533	08/09/99	60	0.1	0.1	0.1	2	11	0	25	70	5	0	0	0	0	0	X	0	0	0	0	0	0	0	0	1.5	0	40	0	20	X	X	80	M	0	40	0	1	85	80	SLT	Si	10	30	1B	1B	X			
California Creek	17533	08/09/99	80	0.2	0.2	0.2	6	10	0	0	75	15	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	40	X	X	70	M	40	40	2	2	85	75	SLT	Si	10	30	1B	1B	X			
California Creek	17533	08/09/99	100	0.3	0.2	0.2	6	9	10	0	65	10	0	0	15	0	0	X	0	0	0	0.5	0	0	1	0	0.5	0	40	0	50	X	X	80	M	20	0	1	0	75	85	SLT	Si	20	40	1B	1B	X			
California Creek	17533	08/09/99	120	0.2	0.2	0.2	1.5	14	25	0	45	0	0	0	30	0	0	X	0	0	0	0	0.5	3	0	0	1.5	0	30	0	25	X	X	70	M	30	40	1	2	60	80	SLT	Si	20	50	1B	1A	X			
California Creek	17533	08/09/99	140	0.2	0.3	0.1	7	10	15	0	45	15	5	0	20	0	0	X	0	0	0	0	0	0	1	0	12	0	40	0	20	X	X	80	M	0	0	0	0	70	80	SLT	Si	15	40	1B	1B	X			
California Creek	17533	08/09/99	160	0.1	0.2	0.1	7	9	10	0	60	20	10	0	0	0	0	X	0	0	0	0	0	0	2	0	2	0	60	0	60	X	X	80	T	10	0	1	0	65	85	SLT	Si/BLD	20	30	1B	1B	X			
California Creek	17533	08/09/99	180	0.5	0.4	0.4	6	7	15	0	40	30	0	0	15	0	0	X	0	0	0.5	0	0	0.5	0.5	0	1.5	0	45	0	65	X	X	70	M	40	30	1	1	70	80	SLT	Si/BLD	10	40	1B	1B	X			
California Creek	17533	08/09/99	200	0.4	0.4	0.5	10	10	20	0	60	10	0	0	10	0	0	X	0	0	1	0	0	0.5	0	0	0.5	0	50	0	30	X	X	60	M	60	30	2	1	85	85	SLT	Si	10	50	1B	1A	X			
California Creek	17533	08/09/99	220	0.4	0.6	0.7	9	10	20	0	60	0	5	0	15	0	0	X	0	0	0	0.5	0.5	0	0	0	0.5	0	60	0	15	X	X	40	M	40	100	1	2	60	85	SLT	Si	20	50	1B	1B	X			
California Creek	17533	08/09/99	240	0.8	1	1.1	9	15	0	0	30	0	0	0	0	70	0	X	0	0	0	0	0	0	0	0	0.5	0	20	0	20	0	X	60	M	30	70	1	3	65	90	SLT	Si	10	0	1B	1C	X			
California Creek	17533	08/09/99	260	0.4	0.9	1	6	9	0	30	40	0	0	0	0	30	0	X	0	0	0	0	0.5	0.5	0	0	0.5	0	30	0	15	X	X	30	M	60	90	1	3	70	90	SLT	Si	20	10	1B	1B	X			
California Creek	17533	08/09/99	280	0.4	0.7	0.7	8	12	0	0	75	0	0	0	10	15	0	X	0	0	0	0	0	0	0	0	0	0	60	0	25	X	X	40	T	80	80	2	3	80	80	SLT	Si	10	0	1B	1C	X			
California Creek	17533	08/09/99	300	0.1	0.1	0.1	5	13	20	0	70	0	0	0	10	0	0	X	0	0	0	0	0	0	0	0	0	0	30	0	10	X	X	50	M	10	70	1	1	60	75	SLT	Si	10	10	1B	1B	X			
California Creek	17533	08/09/99	320	0.1	0.1	0.1	2	14	15	0	65	0	0	0	20	0	X	0	0	0	0	0	0.5	0	0	0	0.5	0	40	10	30	X	X	60	M	30	80	1	1	70	70	SLT	Si	5	10	1C	1C	X			
California Creek	17533	08/09/99	340	0.1	0.2	0.1	10	12	15	0	55	10	0	0	20	0	0	X	0	0	0	0	0	0	0	0	0.5	0	45	0	60	X	X	40	T	30	60	1	1	65	55	SLT	Si	10	30	1B	1B	X			
California Creek	17533	08/09/99	360	1.3	0.9	0.4	11	12	10	0	70	0	0	0	10	10	0	X	0	0	1	0	0	2	0	0	0.5	0	30	0	40	X	X	60	M	20	30	1	1	60	60	SLT	Si	0	40	1C	1B	X			
California Creek	17533	08/09/99	380	1.4	1.3	0.8	9	11	0	0	80	10	0	0	10	0	0	X	0	0	1	0	0.5	0	0	0	1	0	25	0	30	X	X	70	M	30	30	1	1	70	65	SLT	Si	10	40	1B	1B	X			
California Creek	17533	08/09/99	400	0.3	0.5	0.4	5	11	0	0	35	0	0	0	5	60	0	X	0	0	0	0	0	0	0	0	2	0	30	0	10	X	X	80	M	60	0	3	0	80	45	SLT	GVL/Si	10	40	1B	1B	X			
Snow Creek	17986	08/11/99	20	0.1	0.1	0	11	23	0	0	0	10	5	85	0	0	0	X	0	0	0.5	0.75	0	0	0	0	0.5	0	8	0	15	X	X	50	M	100	0	3	0	85	65	HPC	Si&C	15	10	2C	1B	X			
Snow Creek	17986	08/11/99	40	0.1	0.1	0.1	6	19	0	0	0	5	0	95	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	2	0	5	X	X	60	M	100	0	3	0	85	40	HPC	Si&C	15	40	1B	1A	X			
Snow Creek	17986	08/11/99	60	0.1	0.1	0.1	2	21	0	0	0	0	0	100	0	0	0	X	0	0	0	0	0	0	1	1	0	0	2	0	10	X	X	60	M	100	0	2	0	80	45	HPC	GVL	15	50	1B	1A				1
Snow Creek	17986	08/11/99	80	0.1	0.1	0.1	2	16	0	0	5	5	0	90	0	0	0	X	0	0	0	0	0	0	0.5	1	0	0	3	0	15	X	X	60	M	100	0	2	0	80	40	HPC	GVL	50	50	1B	1A	X			
Snow Creek	17986	08/11/99	100	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	55	M	80	0	2	0	80	45	HPC	Si&C	50	50	1B	1A	X			
Snow Creek	17986	08/11/99	120	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	M	0	0	0	0	75	40	HPC	GVL	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	140	0.4	0.7	0.7	13	22	0	0	15	10	0	70	0	5	0	X	0	0	0.5	0	0	0	0.5	0	0.5	0	7	0	0	X	X	90	M	0	0	0	0	65	35	SI&C	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	160	0.7	0.8	0.8	13	18	0	0	15	5	0	80	0	0	0	X	0	0	0.5	0	0.5	0	0.5	0	0	0	2	0	10	X	X	85	M	0	0	0	0	60	60	SI&C	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	180	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0.75	0	0	0.5	0	0	0.5	0	8	0	0	X	X	85	M	0	20	0	1	65	60	SI&C	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	200	0.1	0.3	0.2	9	15	0	0	25	55	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	20	0	20	X	X	80	M	0	0	0	0	60	60	SI&C	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	220	0.4	0.3	0.2	5	15	0	0	0	10	20	70	0	0	0	X	0	0	0	0.5	0.5	0	1.5	0	0	0	15	0	40	X	X	60	M	0	20	0	1	45	75	SI&C	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	240	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	2	0	0	0	5	0	0	X	X	60	M	0	100	0	2	45	85	SI&C	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	260	0.1	0.1	0.1	5	12	0	0	0	20	0	80	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	5	0	5	X	X	60	M	0	90	0	3	40	85	SI&C	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	280	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0	X	X	70	M	0	70	0	20	45	85	CBL	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	300	0.2	0.1	0.3	13	24	20	0	0	20	0	60	0	0	0	X	0	0	0	0	0	0	1	0	0.5	0	6	0	10	X	X	80	M	0	40	0	1	45	85	CBL	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	320	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	X	X	60	M	80	0	3	0	80	45	SI&C	CBL	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	340	0.1	0.1	0.1	6	14	0	0	5	0	0	95	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	3	0	20	X	X	50	M	100	0	3	0	90	45	HPC	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	360	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0	0	0	0.5	0	0	0	0.5	0	0	X	X	60	M	100	0	4	0	90	45	HPC	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	380	0.1	0.1	0.1	6	14	0	0	0	0	0	100	0	0	0	X	0	0	0	0	0.5	0	0.5	0	0	0	6	0	30	X	X	60	M	90	0	4	0	90	50	HPC	Si&C	50	50	1A	1A	X			
Snow Creek	17986	08/11/99	400	0.1	0.1	0.1	9	15	0	0	0	0	0	100	0	0	0	X	0	0	0.5	0	0	0	2	0	0	0	2	0	20	X	X	65	M	80	0	4	0	90	40	HPC	CBL	50	50	1A	1A	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Big Creek	17534	08/10/99	20	0.3	0.3	0.3	11	25	0	0	0	10	0	90	0	0	0	X	0	0	0	0.5	0.5	0	0.5	0	2	0	2	0	15	X	X	85	T	40	0	1	0	80	65	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	40	0.2	0.3	0.2	15	26	0	0	0	0	0	90	10	0	0	X	0	0	0	0	0.5	0	0	0	3	0	2	0	20	X	X	90	M	45	0	1	0	70	60	SLT	BRK	50	50	1A	1A	X			
Big Creek	17534	08/10/99	60	0.2	0.2	0.2	8	18	0	0	0	10	0	85	5	0	0	X	0	0	0	0	0.5	0.5	0	0	5	0	2	0	5	X	X	70	M	50	0	1	0	85	65	SLT	Si/BRK	50	50	1A	1A	X			
Big Creek	17534	08/10/99	80	0.1	0.1	0.1	9	18	0	0	0	20	0	75	5	0	0	X	0	0	0	0	0	0	0	0	5	0	3	0	10	X	X	80	M	60	25	1	1	65	45	SLT	Si/BRK	50	50	1A	1A	X			
Big Creek	17534	08/10/99	100	0.1	0.1	0.1	3	18	0	0	25	0	0	65	10	0	0	X	0	0	0	0	0	0	0	0	3	0	5	0	5	X	X	70	M	40	25	1	0.5	55	45	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	120	0.1	0.1	0.1	4	20	0	10	65	10	0	0	15	0	X	0	0	0	0	0	1	0	0	0	1	0	65	10	10	X	X	80	M	20	0	0.5	0	60	40	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	140	0.1	0.1	0.1	5	18	0	40	50	0	0	0	10	0	0	X	0	0	1.5	1	2	2	0	0	0	0	25	0	80	X	X	85	T	60	0	1	0	50	55	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	160	0.1	0.2	0.1	5	17	0	30	40	0	0	0	30	0	0	X	0	0	0	2	5	2	0	0	0	0	20	0	60	X	X	80	M	20	10	1	1	75	60	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	180	0.1	0.1	0.1	3	16	0	0	85	0	0	0	15	0	X	0	0	0	0.5	0	1	0	0	0	0	0	30	10	70	X	X	85	T	30	45	1	1	65	70	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	200	0.3	1.4	1.2	18	19	0	0	65	0	0	0	10	25	0	X	0	0	1	0	0.5	1	0	0	0.5	0	25	0	60	X	X	60	M	10	50	1	3	45	80	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	220	0.3	0.7	0.6	14	23	0	40	40	5	0	0	5	0	0	X	0	0	1	0.5	0	0	0	0	0.5	0	10	0	55	X	X	75	T	20	70	1	3	55	85	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	240	0.2	0.1	0.1	9	18	0	30	60	0	0	0	10	0	0	X	0	0	0	0.5	1	0	0	0	0	0	5	0	30	X	X	40	M	20	100	1	4	60	85	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	260	0.9	1	0.8	16	23	0	0	30	0	0	0	0	70	0	X	0	0	0.5	0.5	1.5	0.5	0	0	0	0	5	0	40	X	X	45	T	60	50	1	3	70	80	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	280	0.9	1	0.6	19	19	0	40	40	10	0	0	10	0	0	X	0	0	0.5	1.5	1	0	0	0	0.5	0	2	0	20	0	0	60	M	50	75	2	3	80	80	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	300	1	0.9	0.5	15	20	0	20	40	0	0	0	10	30	0	X	0	0	0.5	2	0.5	0	0	0	0.5	0	10	0	25	X	X	70	M	20	15	1	2	70	65	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	320	0.9	0.9	0.3	9	18	0	10	60	10	0	0	0	20	0	X	0	0	1.5	0.75	0	0	0	0	0.5	0	20	0	35	X	X	60	M	80	0	3	0	80	60	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	340	0.7	0.5	0.2	12	20	0	0	40	0	0	0	10	50	0	X	0	0	0	0	0	0	1	0	0.5	0	25	0	15	X	X	65	M	40	0	3	0	85	40	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	360	0.8	0.5	0.1	14	20	0	20	40	0	0	0	10	30	0	X	0	0	0.5	0.5	1.5	0	0	0	1	0	10	0	20	X	X	70	M	50	0	2	0	85	55	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	380	0.8	0.5	0.2	17	20	0	30	40	20	0	0	10	0	0	X	0	0	0.5	0.75	2	0	0	0	2	0	5	0	40	X	X	70	M	40	0	2	0	80	65	SLT	Si	50	50	1A	1A	X			
Big Creek	17534	08/10/99	400	0.7	0.5	0.2	14	24	0	25	35	0	0	0	5	35	0	X	0	0	0.5	0.5	1.5	0	0	0	3	0	5	0	20	X	X	80	M	40	0	2	0	85	60	SLT	Si	50	50	1A	1A	X			
Fourteenmile Creek	11922	08/05/98	20	0.5	0.4	0.2	9	20	0	0	80	5	0	15	0	0	0	X	0	0	0	0	0	0	0.5	0	0	0	90	0	0	X	X	90	G	0	0	0	0	45	25	BRK	SND/GVL	5	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	40	0.8	0.45	0.15	10	19	0	0	80	10	0	10	0	0	0	X	0	0	0	0	0	0	0.5	0	0	0	90	0	0	0	0	90	M	0	0	0	0	55	30	BRK	SND/GVL	10	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	60	0.8	0.4	0.2	20	23	0	0	80	15	0	5	0	0	0	X	0	0	0	0	0	0	0.5	0	0	0	90	0	10	0	0	85	M	0	0	0	0	60	50	BRK	SND	10	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	80	0.3	0.35	0.2	8	28	0	2	30	58	10	0	0	0	0	0	X	0	0.5	0	0	0.5	0	0	0	0	90	10	5	0	0	80	M	0	0	0	0	25	30	SND/CBL	SND/GVL	15	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	100	0.25	0.35	0.2	8	21	0	1	19	40	0	0	0	40	0	0	X	0	0	0	0	0.5	0	0	0	0	90	10	0	0	0	80	M	0	0	0	0	30	30	SND/BLD	SND/GVL	15	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	120	0.6	0.5	0.2	7	20	0	1	75	24	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	90	0	0	X	X	75	M	0	0	0	0	60	25	SI&C/CBL	SND/GVL	20	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	140	0.8	0.6	0.2	9	20	0	3	65	12	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0	0	75	0	5	0	0	75	M	0	0	0	0	50	25	BLD/CLY	GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	160	0.4	0.2	0.1	7	22	0	1	65	14	0	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	90	10	0	X	X	85	M	0	0	0	0	35	35	BLD/CLY	GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	180	0.15	0.2	0.3	10	19	0	4	11	0	0	85	0	0	X	0	0	0	0	0	0	0	0.5	0	0	0	25	2	5	0	0	85	M	0	0	0	0	35	40	SND/CBL	SND/GVL	40	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	200	0.15	0.2	0.2	8	20	0	4	55	16	25	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	40	25	30	0	0	85	M	0	0	0	0	35	45	SND/CBL	SND/GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	220	0.1	0.2	0.1	8	21	0	2	18	0	0	80	0	0	0	0	X	0	0	0	0	1	0	0	0	0	30	15	15	X	X	85	M	0	0	0	0	35	40	SND/GVL	SND/GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	240	0.3	0.1	0.1	10	30	0	0	0	0	0	100	0	0	X	0	X	0	0	0	0	0	1	0	0	0	5	10	5	X	X	75	M	0	0	0	0	25	45	SND/GVL	SND/GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	260	0.5	0.6	0.4	18	24	0	2	35	3	0	60	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	25	0	0	0	0	85	M	0	0	0	0	30	40	SND/GVL	GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	280	0.3	0.3	0.2	15	22	0	10	80	10	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	30	0	30	X	X	65	M	50	0	1.2	0	85	45	SND/GVL	SND/GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	300	0.1	0.4	0.3	10	24	0	10	75	15	0	0	0	0	0	X	0	0	0	0.5	0	0	0	0	0	0	75	0	5	X	X	75	M	20	0	1.2	0	45	25	SND/GVL	SND/GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	320	0.2	0.4	0.25	10	21	0	5	70	25	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	75	0	0	X	X	50	G	20	20	1	1.5	40	55	SND/GVL	SND/GVL	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	340	0.7	1.6	1.5	10	25	0	10	85	5	0	0	0	0	0	X	0	0	0	1	1	0	0	0	0	0	50	0	0	X	X	20	G	50	0	1	0	35	90	GRV	SND	50	50	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	360	0.2	0.9	0.7	9	20	0	15	75	10	0	0	0	0	0	X	0	0	0	2	1	0	0	0	0	0	50	0	0	X	X	10	G	0	100	0	3	30	90	GRV	SND/GVL	50	40	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	380	0.4	0.95	0.4	8	20	0	10	85	5	0	0	0	0	0	X	0	0	0	0.5	1	0	0	0	0	0	50	0	0	X	X	5	G	0	100	0	3	35	90	GRV	SND/GVL	50	30	1B	1B	X			
Fourteenmile Creek	11922	08/05/98	400	0.5	0.4	0.1	6	30	3	5	85	7	0	0	0	0	0	0	X	0	0	0.5	0.5	0	0	0	0	0	50	30	0	X	X	0	G	0	100	0	3	20	90	GRV	SND/GVL	50	30	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Chouteau Creek	11882	08/21/98	20	0.5	0.8	0.4	12	13	30	35	10	20	5	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	10	0	25	0	0	70	S	0	0	0	0	80	70	SND	SND	50	30	1B	1B	X			
Chouteau Creek	11882	08/21/98	40	0.4	0.6	0.6	12	13	55	20	10	10	0	0	5	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	5	0	20	0	0	60	M	10	0	2.5	0	80	85	SND	SND	50	30	1B	1B	X			
Chouteau Creek	11882	08/21/98	60	0.4	0.6	0.4	10	12	5	30	50	10	5	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	5	0	20	0	0	80	M	0	0	0	0	75	85	SND	SND	50	30	1B	1B	X			
Chouteau Creek	11882	08/21/98	80	0.2	0.3	0.3	8	12	50	30	5	10	0	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	5	0	60	0	0	50	T	0	25	0	1	75	85	SND	SND	50	40	1B	1C	X			
Chouteau Creek	11882	08/21/98	100	0	0	0	0	14	60	25	5	10	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	5	0	50	0	0	50	T	0	50	0	1	50	50	SND	SND	50	40	1B	1D	X			
Chouteau Creek	11882	08/21/98	120	0	0	0	0	14	90	5	0	5	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	20	0	0	50	M	0	100	0	1	70	45	SND	SND	50	50	1B	1D		50	35	4
Chouteau Creek	11882	08/21/98	140	0.4	0.4	0.2	9	12	60	20	10	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	5	0	35	0	0	50	T	0	100	0	1	70	45	SND	SND	50	60	1B	1D		50	21	2
Chouteau Creek	11882	08/21/98	160	0.4	0.6	0.2	11	14	80	5	10	5	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	2	0	50	0	0	60	T	0	90	0	1.5	70	50	SND	SND	50	60	1B	1D			5	2
Chouteau Creek	11882	08/21/98	180	0.5	0.6	0.5	11	12	80	5	10	5	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	2	0	10	0	0	50	T	0	50	0	2.8	75	70	SND	SND	50	60	1B	1C	X			
Chouteau Creek	11882	08/21/98	200	0.3	0.4	0.3	11	12	90	5	5	5	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	2	0	75	0	0	50	T	0	90	0	2.5	50	80	SND	SND	50	50	1B	1C	X			
Chouteau Creek	11882	08/21/98	220	0.2	0.35	0.3	10	13	65	5	5	5	10	0	10	0	0	X	0	0	0	0	0	0	0	0	0	0	3	0	80	0	0	50	T	0	100	0	2.8	50	80	SND	SND	50	40	1B	1B	X			
Chouteau Creek	11882	08/21/98	240	0	0	0	0	14	45	10	35	10	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	75	0	0	60	T	0	80	0	2.8	45	80	SND	SND	50	40	1B	1B	X			
Chouteau Creek	11882	08/21/98	260	0	0	0	0	14	10	25	50	15	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	0	80	T	0	0	0	0	45	80	SND	SND	50	5	1B	1B	X			
Chouteau Creek	11882	08/21/98	280	0.3	0.3	0.4	11	12	15	5	0	0	0	80	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	0	0	50	0	0	90	T	0	0	0	0	70	80	SND	SND	50	5	1B	1B	X			
Chouteau Creek	11882	08/21/98	300	0.2	0.4	0.3	11	13	45	5	40	0	0	10	0	0	0	X	0	0	0	0	0.5	0	0	0	1	0	5	0	60	0	0	80	T	0	0	0	0	75	85	SND	SND	50	10	1B	1B	X			
Chouteau Creek	11882	08/21/98	320	0.4	0.6	0.6	11	13	60	5	20	5	0	10	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	2	0	40	0	0	70	T	0	25	0	2	60	85	SND	SND	50	5	1B	1B	X			
Chouteau Creek	11882	08/21/98	340	0.4	0.7	0.7	9	12	60	10	30	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0.5	0	2	0	10	0	0	85	M	0	0	0	0	55	80	SND	SND	50	5	1B	1B	X			
Chouteau Creek	11882	08/21/98	360	0.4	0.5	0.8	9	14	45	20	33	0	0	0	2	0	0	X	0	0	0	1	0.5	0	0	0	0	0	3	0	25	0	0	85	M	0	0	0	0	45	80	SND	SND	50	5	1B	1B	X			
Chouteau Creek	11882	08/21/98	380	0.5	0.6	0.6	13	14	10	25	53	0	0	0	2	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	15	0	0	75	M	0	0	0	0	65	65	SND	SND	50	15	1B	1B	X			
Chouteau Creek	11882	08/21/98	400	0.2	0.3	0.4	6	15	10	20	65	5	0	0	0	0	0	X	0	0	0	0	0.5	0.5	0	0	0.5	0	0	0	80	0	0	75	M	0	0	0	0	80	80	SND	SND	50	25	1B	1B	X			
Horse Creek	13545	07/19/99	20	0.2	0.3	0.5	12	19	3	2	35	60	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	1	0	60	0	20	0	0	60	T	15	15	2	1.2	70	70	SI&C	Si&C	20	15	1B	1B	X			
Horse Creek	13545	07/19/99	40	0.1	0.1	0.1	6	22	0	3	17	80	0	0	0	0	X	0	0	0	0	0	0	0	0	0	2	0	80	20	60	X	X	50	T	20	70	1.7	1.2	85	70	SI&C	Si&C	20	20	1B	1B	X			
Horse Creek	13545	07/19/99	60	0.1	0.2	0.2	6	20	15	5	10	70	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	80	X	X	50	T	90	10	2	1.6	85	60	SI&C	Si&C	20	20	1B	1B	X			
Horse Creek	13545	07/19/99	80	0.3	0.5	0.3	11	15	10	5	15	10	0	0	0	60	0	X	0	0	0	0	0	0	0	0	0	0	20	0	60	0	0	60	M	40	0	2	0	85	70	SI&C	Si&C	20	20	1B	1B	X			
Horse Creek	13545	07/19/99	100	0.2	0.2	0.1	8	15	5	0	30	45	0	20	0	0	0	X	0	0	0.5	0	0.5	0.5	0	0	0	0	30	0	75	0	0	70	M	0	0	0	0	80	60	SI&C	Si&C	25	20	1B	1B	X			
Horse Creek	13545	07/19/99	120	0.1	0.2	0.1	5	16	3	2	10	35	0	50	0	0	0	0	X	0	0	0	0	0	0	0	0	0	40	0	65	X	X	80	M	0	0	0	0	60	45	SI&C	Si&C	20	20	1B	1B	X			
Horse Creek	13545	07/19/99	140	0.2	0.2	0.1	5	19	0	0	5	5	0	90	0	0	0	0	X	0	0	0	0	1	0	0	0	0	30	0	65	X	X	80	M	0	0	0	0	50	45	SI&C	Si&C	30	20	1B	1B	X			
Horse Creek	13545	07/19/99	160	0.2	0.2	0.2	8	18	5	0	5	10	0	80	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	20	0	60	0	0	50	M	0	0	0	0	40	80	SI&C	Si&C	20	15	1B	1B	X			
Horse Creek	13545	07/19/99	180	0.6	0.8	0.5	10	14	5	0	20	45	20	10	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	40	0	30	0	0	65	M	0	20	0	20	45	70	SI&C	Si&C	20	0	1B	X	X			
Horse Creek	13545	07/19/99	200	0.5	0.5	0.4	8	10	5	0	15	50	30	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	60	0	50	0	0	50	M	10	10	1	20	90	70	SI&C	BLD	20	0	1B	X	X			
Horse Creek	13545	07/19/99	220	0.3	0.4	0.4	7	12	5	0	10	45	10	0	0	30	0	X	0	0	0	0	0	0.5	0	0	0	0	40	0	35	X	X	50	M	0	75	0	2.2	40	80	SI&C	Si&C	15	3	1B	2B	X			
Horse Creek	13545	07/19/99	240	0.2	0.5	0.4	9	14	5	0	10	25	0	0	0	60	0	X	0	0	0	0	0	0	0	0	0.5	0	35	0	15	0	0	50	G	0	100	0	2.3	30	85	SI&C	Si&C	10	5	2B	2B	X			
Horse Creek	13545	07/19/99	260	0.3	0.5	0.4	9	14	0	0	5	15	0	0	0	80	0	X	0	0	0.5	0	0	0.5	0	0	0	0	20	0	20	0	0	50	G	0	100	0	2.5	30	85	SI&C	HPC	10	5	2B	2B	X			
Horse Creek	13545	07/19/99	280	0.3	0.8	0.5	14	17	5	0	10	15	0	30	10	30	0	X	0	0	0.5	0	0	0.5	0	0	0	0	20	0	10	X	X	60	M	0	80	0	2.5	45	85	SI&C	Si&C	5	10	2B	2B				2
Horse Creek	13545	07/19/99	300	0.3	0.4	0.2	10	20	5	0	15	60	0	20	0	0	0	X	0	0	0	0	0	0	0	0	0	0	25	0	25	X	X	20	T	0	0	0	0	30	30	CBL	Si&C	10	5	2C	2C			15	3
Horse Creek	13545	07/19/99	320	0.2	0.3	0.2	4	20	0	2	18	30	0	0	0	50	0	0	X	0	0	0	0	0	0	0	0	0	25	30	50	X	X	30	G	0	75	0	1.5	15	90	CBL	Si&C	20	10	2C	2C			3	3
Horse Creek	13545	07/19/99	340	0.2	0.4	0.3	4	20	3	2	25	30	0	0	0	40	0	X	0	0	0	0	0	0	0	0	0	0	30	0	50	X	X	50	G	0	100	0	1.8	10	90	CBL	Si&C	20	10	2C	2C	X			
Horse Creek	13545	07/19/99	360	0.2	0.1	0.2	8	20	10	5	20	55	0	0	0	10	0	X	0	0	0	0	0	0	0	0	0	0	50	0	25	X	X	35	G	0	100	0	1.6	10	90	CBL	Si&C	20	5	2C	2C			8	2
Horse Creek	13545	07/19/99	380	0.4	0.3	0.3	14	15	10	0	25	55	0	0	0	10	0	X	0	0	0.5	0	0	0.5	0	0	0	0	50	0	20	0	0	50	M	0	100	0	1.5	35	85	SI&C	Si&C	15	2	2B	2C				1
Horse Creek	13545	07/19/99	400	0.3	0.3	0.4	14	15	5	0	20	60	0	0	0	15	0	X	0	0	0.5	0	0	0.5	0	0	1	0	50	0	20	0	0	50	M	0	100	0	1.7	65	90	SI&C	Si&C	15	2	2B	2C	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Fly Creek	16690	08-Jul-99	20	0.1	0.2	0.1	5	7	0	0	10	0	0	90	0	0	X	0	0	0	0	0	0	0	1	0	0	0	5	0	30	0	0	100	M	0	0	0	0	45	45	CBL	BLD	20	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	40	0.2	0.2	0.1	5	7	0	2	3	0	0	95	0	0	0	0	X	0	0	0	0	0	1	0	0	0	5	0	75	0	0	95	M	0	0	0	0	50	60	SI&C	BRK	40	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	60	0.2	0.3	0.1	7	9	0	5	15	0	10	70	0	0	0	X	X	0	0	0	0	0	1	0	0	1	10	0	60	0	0	95	M	0	0	0	0	70	60	SI&C	BLD	50	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	80	0.3	0.2	0.1	8	9	0	5	5	0	10	80	0	0	0	X	X	0	0	0	0	0	1	0	0	0	10	0	30	0	0	80	T	20	0	1	0	80	60	SI&C	BLD	50	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	100	0.1	0.2	0.1	6	10	0	0	15	0	20	65	0	0	0	0	X	0	0	0	0	0	1	0	0	0	15	0	70	0	0	85	T	15	0	0.8	0	75	40	CBL	BLD	50	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	120	0.1	0.1	0.1	7	9	0	5	5	10	0	80	0	0	0	0	X	0	0	0	0	0	1	0	0	0	15	0	60	0	0	85	M	10	0	0.8	0	60	50	SND	Si&C	30	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	140	0.2	0.2	0.1	6	8	0	5	5	5	0	85	0	0	0	0	X	0	0	0	0	0	1	0	0	0	15	0	60	0	0	90	M	0	0	0	0	40	55	SND	CBL	30	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	160	0.1	0.1	0.1	6	10	0	0	10	0	0	90	0	0	X	0	0	0	0	0	0	0	1	0	0	0	10	0	20	0	0	80	M	0	40	0	1	30	75	SND	CBL	30	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	180	0.1	0.1	0.1	7	10	0	0	5	0	0	95	0	0	X	0	0	0	0	0	0	0	1	0	0	0	10	0	5	0	0	60	M	0	80	0	1.3	30	80	CBL	SND	20	50	1B	1B	X			
Fly Creek	16690	08-Jul-99	200	0.1	0.1	0.1	6	10	0	0	5	0	0	95	0	0	X	0	0	0	0	0	0	0	1	0	0	0	5	0	5	0	0	50	M	0	100	0	1.3	30	80	CBL	SND	20	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	220	0.1	0.1	0.1	7	10	0	0	10	0	0	90	0	0	0	0	X	0	0	0	0	0	1	0	0	0	5	0	10	0	0	50	M	0	100	0	1.6	20	90	SND	SND	20	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	240	0.2	0.3	0.3	7	10	0	5	5	15	0	80	0	0	0	X	0	0	0	0	0	0	1	0	0	0	15	0	0	0	0	50	M	0	100	0	1.8	20	90	SND	CBL	20	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	260	0.1	0.1	0.1	7	10	0	0	0	5	0	95	0	0	X	0	0	0	0	0	0	0	1	0	0	0	10	0	0	0	0	50	M	0	100	0	1.6	20	90	SND	CBL	20	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	280	0.1	0.2	0.1	9	12	0	2	3	5	0	90	0	0	0	0	X	0	0	0	0	0	1	0	0	0	5	0	5	0	0	60	M	0	80	0	1.2	20	85	SND	CBL	50	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	300	0.1	0.1	0.1	10	12	0	0	5	0	0	95	0	0	0	0	X	0	0	0	0	0	1	0	0	0	5	0	5	0	0	60	M	0	80	0	1.2	20	85	SND	CBL	50	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	320	0.2	0.1	0.1	13	14	0	0	2	3	5	90	0	0	X	0	X	0	0	0	0	0	1	0	0	0	5	0	10	0	0	60	M	20	60	2.2	1	60	70	SND	CBL	50	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	340	0.1	0.1	0.1	9	14	0	0	0	0	0	100	0	0	X	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0	0	100	M	0	0	0	0	60	45	SND	CBL	50	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	360	0.1	0.1	0.1	8	13	0	0	0	0	0	100	0	0	0	0	X	0	0	0	0	0	1	0	0	0	0	0	5	0	0	100	M	0	0	0	0	45	30	SND	CBL	50	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	380	0.1	0.1	0.1	8	13	0	0	0	0	0	100	0	0	X	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0	0	100	M	0	0	0	0	45	30	SND	CBL	50	50	1B	2B	X			
Fly Creek	16690	08-Jul-99	400	0.1	0.1	0.1	7	13	0	0	0	0	0	100	0	0	X	0	0	0	0	0	0	0	1	0	0	0	0	0	5	0	0	100	M	0	0	0	0	45	30	SND	CBL	50	50	1B	2B	X			
Little Horse Creek	16698	07/12/99	20	0.1	0.1	0.1	9	20	20	0	60	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	60	0	40	50	10	0	0	100	G	0	0	0	0	40	40	SI&C	Si&C	20	50	2B	2B	X			
Little Horse Creek	16698	07/12/99	40	0.2	0.1	0.2	8	20	20	0	40	40	0	0	0	0	0	0	X	0	0	0	0	0	0	0	60	0	65	30	25	0	0	100	M	0	0	0	0	40	40	SI&C	Si&C	50	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	60	0.2	0.2	0.2	11	22	20	0	30	50	0	0	0	0	0	0	X	0	0	0	0	0	0	0	60	0	70	30	15	0	0	100	M	0	0	0	0	40	30	SI&C	Si&C	50	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	80	0.2	0.2	0.2	10	20	20	0	20	60	0	0	0	0	0	0	X	0	0	0	0	0	0	0	50	0	70	30	20	0	0	100	M	0	0	0	0	40	30	SI&C	Si&C	50	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	100	0.1	0.2	0.2	10	20	10	0	20	70	0	0	0	0	0	0	X	0	0	0	0	0	0	0	50	0	75	30	20	0	0	100	M	0	0	0	0	45	30	SI&C	Si&C	30	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	120	0.3	0.4	0.2	10	20	10	0	10	20	0	60	0	0	0	X	0	0	0	0	0	0	2	0	40	0	50	0	25	0	0	100	M	0	0	0	0	55	25	SI&C	Si&C	25	60	1B	1B	X			
Little Horse Creek	16698	07/12/99	140	0.3	0.5	0.3	7	16	10	0	10	30	30	20	0	0	0	X	0	0	0	0	0	0	1	0	5	0	60	0	40	0	0	100	M	0	0	0	0	60	30	BRK	Si&C	20	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	160	0.7	0.9	0.5	10	13	5	0	0	35	10	50	0	0	0	X	0	0	0	0	0	0	1	0	0	0	40	0	75	0	0	60	T	0	50	0	1.7	50	85	BRK	Si&C	20	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	180	0.6	0.8	0.6	11	12	10	0	35	35	0	20	0	0	0	X	0	0	0	0	0	0	1	0	0	0	50	0	75	0	0	60	T	0	70	0	1.6	65	90	BRK	Si&C	35	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	200	0.4	0.3	0.2	11	12	5	0	20	45	0	30	0	0	0	X	0	0	0	0	0	0	1	0	0	0	60	0	75	0	0	70	T	0	40	0	1.5	75	90	BRK	Si&C	35	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	220	0.4	0.7	0.4	9	12	0	0	5	15	0	80	0	0	0	X	0	0	0	0	0	0	2	0	0	0	40	0	70	0	0	95	M	0	0	0	0	70	45	BRK	Si&C	40	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	240	0.7	0.8	0.5	7	12	0	0	10	30	0	60	0	0	0	X	0	0	0	0	0	0	2	0	0	0	30	0	50	0	0	100	M	0	0	0	0	50	45	BRK	Si&C	30	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	260	0.1	0.3	0.3	7	15	10	0	30	60	0	0	0	0	0	0	X	0	0	0	0	0	0	0	40	0	70	30	30	0	0	100	M	0	0	0	0	45	40	SI&C	Si&C	40	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	280	0.1	0.1	0.1	9	15	5	0	30	65	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	35	0	80	20	30	0	0	100	M	0	0	0	0	45	35	SI&C	Si&C	50	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	300	0.3	0.4	0.6	9	14	0	0	30	70	0	0	0	0	0	X	0	0	0	0	0	1	0	0	40	0	70	0	75	0	0	100	M	0	0	0	0	40	60	SI&C	Si&C	50	50	1B	1B	X			
Little Horse Creek	16698	07/12/99	320	0.8	0.8	0.3	10	14	10	0	30	10	0	50	0	0	0	X	0	0	0	0	0	0	0	0	10	0	50	0	50	0	0	100	M	0	0	0	0	30	40	SI&C	Si&C	50	30	1B	1B	X			
Little Horse Creek	16698	07/12/99	340	0.3	0.4	0.3	13	15	20	0	40	40	0	0	0	0	0	X	X	0	0	0	0	1	0	0	20	0	60	0	25	0	0	100	M	0	0	0	0	40	45	SI&C	Si&C	50	20	1B	1B	X			
Little Horse Creek	16698	07/12/99	360	0.4	0.2	0.5	8	9	10	0	40	50	0	0	0	0	0	X	X	0	1	0	0	1	0	0	40	0	70	0	60	0	0	90	M	0	0	0	0	60	60	SI&C	Si&C	50	15	1B	1B	X			
Little Horse Creek	16698	07/12/99	380	0.1	0.1	0.1	7	9	0	0	40	60	0	0	0	0	X	0	0	0	0	0	0	0	0	0	10	0	75	25	80	0	0	95	M	0	0	0	0	45	80	SI&C	Si&C	50	15	1B	1B	X			
Little Horse Creek	16698	07/12/99	400	0.1	0.1	0.1	6	8	0	0	45	55	0	0	0	0	X	0	0	0	0	0	0	0	0	0	5	0	70	30	80	0	0	95	M	0	0	0	0	40	45	SI&C	Si&C	50	30	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Hudson Creek	14491	08/05/99	20	0.8	0.9	0.8	15	15	15	0	55	20	0	0	10	0	0	X	0	0	1	3	5	1	0	0	1.5	0	7	0	5	0	0	90	M	0	0	0	0	60	70	SI&C	Si&C	0	0	2B	2A	X			
Hudson Creek	14491	08/05/99	40	0.9	1	0.8	17	17	20	0	60	20	0	0	0	0	0	X	0	0	1.5	1	1.5	0.75	0	0	0	0.5	5	0	10	0	0	100	M	0	0	0	0	85	85	SI&C	Si&C	50	10	2A	2A	X			
Hudson Creek	14491	08/05/99	60	0.9	1.1	0.9	18	18	15	0	55	25	0	0	5	0	0	X	0	0	1	0.5	0.75	1	0	0	1	0.5	5	0	10	0	0	95	M	0	0	0	0	85	85	SI&C	Si&C	50	10	2A	2A	X			
Hudson Creek	14491	08/05/99	80	0.8	1	0.8	17	17	0	10	35	20	0	35	0	0	0	X	0	0	0.5	1	0	0.5	0.5	0	2.5	0	6	0	5	0	0	100	M	0	0	0	0	80	80	SI&C	Si&C	50	15	2A	2A	X			
Hudson Creek	14491	08/05/99	100	0.4	0.4	0.4	13	13	10	0	50	30	0	0	10	0	0	X	0	0	0.5	2.5	3	0.5	0	0	3.5	0	7	0	10	0	0	90	M	0	5	0	1	75	80	SI&C	Si&C	50	15	2A	2A	X			
Hudson Creek	14491	08/05/99	120	0.4	0.5	0.5	13	13	0	0	10	10	0	70	10	0	0	X	0	0	0.75	0	1.5	1	1	0	3.5	0	5	0	20	0	0	95	M	0	0	0	0	60	75	SI&C	Si&C	50	15	2A	2A	X			
Hudson Creek	14491	08/05/99	140	0.1	0.1	0.1	3	15	0	0	0	0	0	80	20	0	0	X	0	0	0	0	0.75	0	1	0	5	0	4	0	30	0	0	90	M	0	0	0	0	40	70	BRK	Si&C	50	15	2A	2A	X			
Hudson Creek	14491	08/05/99	160	0.1	0.1	0.1	4	15	0	0	0	10	0	85	5	0	0	0	X	0	0	0	0.5	0.5	1.5	0	30	0	2	0	25	0	X	95	M	0	0	0	0	50	60	BRK	Si&C	50	20	2A	1A	X			
Hudson Creek	14491	08/05/99	180	0.1	0.1	0.1	11	17	10	0	0	0	0	80	10	0	0	X	0	0	0	0	0.5	0.5	2	0	25	0	1.5	0	5	0	X	100	M	0	0	0	0	60	50	BRK	Si&C	50	20	2A	2A	X			
Hudson Creek	14491	08/05/99	200	0.5	0.7	0.7	17	17	5	10	50	25	0	0	10	0	0	X	0	0	0.5	0.75	1.5	1	0.5	0	7	0	4	0	30	0	X	90	M	25	0	1	0	75	70	SI&C	Si&C	50	25	2A	2A	X			
Hudson Creek	14491	08/05/99	220	0.3	0.5	0.8	18	18	10	10	20	25	0	30	5	0	0	X	0	0	0	0	1.5	0.5	1	0	6	0	7	0	10	0	X	100	M	0	0	0	0	75	80	SI&C	Si&C	50	10	2A	2A	X			
Hudson Creek	14491	08/05/99	240	0.2	0.4	0.5	17	17	35	30	20	15	0	0	0	0	0	X	0	0	0	0	0.5	0.5	0	0	5	0	6	0	20	0	0	100	M	0	0	0	0	75	80	SI&C	Si&C	50	15	2A	2A	X			
Hudson Creek	14491	08/05/99	260	0.2	0.4	0.4	15	15	10	30	30	20	0	0	10	0	0	X	0	0	0	2	2.5	0.5	0	0	3	0	6	0	15	0	0	95	M	0	0	0	0	70	75	SI&C	Si&C	50	0	2A	2A	X			
Hudson Creek	14491	08/05/99	280	0.1	0.6	0.7	14	16	0	25	20	20	0	25	10	0	0	X	0	0	0.5	0	1	1	0	0	9	0	5	0	25	0	X	95	M	0	0	0	0	85	85	SI&C	Si&C	50	0	2A	2A	X			
Hudson Creek	14491	08/05/99	300	0.2	0.1	0.1	8	12	25	10	40	10	0	0	15	0	0	X	0	0	0.5	0	0.75	0.5	0	0	8	0	7	0	15	0	X	90	M	5	5	0.5	0.5	80	85	SI&C	Si&C	50	0	2A	2A	X			
Hudson Creek	14491	08/05/99	320	0	0	0.2	3	14	0	0	0	0	0	100	0	0	0	X	0	0	0	0	0.75	0	0	0	5	0	3	0	5	X	X	100	M	0	0	0	0	50	60	BRK	Si&C	50	0	2A	2A	X			
Hudson Creek	14491	08/05/99	340	0.1	0.1	0.1	5	20	5	0	55	30	0	0	10	0	0	X	0	0	0	0	0.5	0	0	0	4	0.5	15	0	5	X	X	100	M	0	0	0	0	65	60	SI&C	Si&C	50	0	2A	2A	X			
Hudson Creek	14491	08/05/99	360	0.1	0.1	0.1	1	22	0	0	90	10	0	0	0	0	0	X	0	0	0	0	1	0.5	0	0	6	0	10	0	5	X	X	90	M	40	0	1	0	85	50	SI&C	Si&C	50	0	2A	2A	X			
Hudson Creek	14491	08/05/99	380	0.1	0.2	0.1	5	18	0	0	0	15	0	80	5	0	0	X	0	0	0	0	0	0	0.5	0	3	0	20	0	25	X	X	90	M	25	0	1	0	85	50	SI&C	BRK	50	0	2A	2A	X			
Hudson Creek	14491	08/05/99	400	0.1	0.2	0.1	3	15	0	0	0	20	0	80	0	0	0	X	0	0	0	0	0.5	0	1	0	4	0	15	0	5	X	X	100	M	0	0	0	0	70	60	SI&C	Si&C	50	0	2A	2A	X			
Cow Creek	17543	07/29/99	20	0.2	0.2	0.1	5	5	0	0	95	0	0	0	5	0	0	X	0	0	0.5	2	2.5	0.5	0.5	0	0	0	3.5	0	85	X	X	60	T	75	10	1	1	80	60	HPC	SND	50	15	1B	2B	X			
Cow Creek	17543	07/29/99	40	0.2	0.2	0.3	4	5	0	0	80	10	0	0	0	10	0	X	0	0	0	0.5	2	0	0	0	0	0	4.5	0	70	X	X	70	M	50	10	1	1.5	60	70	HPC	SND	50	15	1B	2B	X			
Cow Creek	17543	07/29/99	60	0.1	0.1	0.1	0.5	6	0	0	70	0	0	0	30	0	0	X	0	0	0	2.5	1.5	1	0	0	0	0.5	4	0	85	X	X	60	M	0	60	0	3.5	60	80	SND	HPC	50	15	1B	2B	X			
Cow Creek	17543	07/29/99	80	0.1	0.1	0.1	6	6	0	10	90	0	0	0	0	0	0	X	0	0	1	3	2	2	0	0	0	0	5	0	50	X	X	65	M	15	80	1	2.5	70	80	SND	HPC	50	15	1B	2B	X			
Cow Creek	17543	07/29/99	100	0.2	0.3	0.2	4	8	10	0	30	0	0	0	0	60	0	X	0	0	0.5	0	1	2.5	0	0	0	0	5	0	80	X	X	55	T	0	100	0	3	50	85	GRV	HPC	50	10	1B	2B	X			
Cow Creek	17543	07/29/99	120	0.1	0.1	0.1	5	5	0	0	90	0	0	0	5	5	0	X	0	0	0.5	0.75	0.5	2	0	0	0	0	3.5	0	85	X	X	55	T	15	10	1	2	70	75	HPC	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	140	0.3	0.4	0.3	5	6	0	0	90	0	0	0	5	5	0	X	0	0	0	1	2.5	1.5	0	0	0	0	3	0	75	X	X	60	M	0	80	0	2	65	80	SND	HPC	50	0	1B		X			
Cow Creek	17543	07/29/99	160	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	X	0	0	0.5	0.5	0	0	0	0	1.5	0	80	X	X	60	T	40	0	1.5	0	75	70	SND	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	180	0.3	0.3	0.2	6	7	0	10	70	0	0	0	0	20	0	X	0	0	0	0	1	1.5	1	0	0	0	3	0	90	X	X	45	T	90	0	2.5	0	80	70	HPC	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	200	0.4	0.5	0.4	7	7	0	0	30	0	0	0	20	50	0	X	0	0	0	0	1.5	2	0.75	0	0	0	2	0	95	0	X	45	T	0	70	0	2.5	80	80	HPC	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	220	0.1	0	0.1	3	7	0	25	25	0	0	0	50	0	0	X	0	0	0	2.5	3.5	0.5	0	0	0	0.5	2	0	30	X	X	75	M	0	0	0	0	75	75	SND	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	240	0.3	0.4	0.3	7	7	100	0	0	0	0	0	0	0	0	X	0	0	0	5	6	2	0	0	0	0	1.5	0	50	X	X	60	M	20	60	1.5	2	70	80	SND	HPC	50	0	1B		X			
Cow Creek	17543	07/29/99	260	0.5	0.8	0.7	6	7	0	0	10	0	0	0	40	50	0	X	0	0	0	4	4	2.5	1	0	0	0	1	0	30	X	X	65	M	90	0	1.5	0	80	70	HPC	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	280	0.3	0.7	0.4	5	9	0	10	0	0	0	0	30	60	0	X	0	0	0	1	3.5	1	0.75	0	0	0	1	0	80	0	X	50	M	100	15	2	2	85	80	HPC	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	300	0.2	0.3	0.2	5	8	0	0	30	0	0	0	0	70	0	X	0	0	0	1.5	1.5	1.5	0	0	0	0	1.5	0	85	X	X	55	M	100	0	3	0	80	70	HPC	SND	50	0	1B		X			
Cow Creek	17543	07/29/99	320	0.5	0.6	0.4	5	7	0	0	0	0	0	0	30	70	0	X	0	0	0	1.5	1	0.75	0	0	0	0	1	0	80	X	X	50	M	100	0	3	0	80	60	HPC	SND	50	15	1B	1B	X			
Cow Creek	17543	07/29/99	340	0.4	0.5	0.3	8	9	0	0	10	0	0	0	20	70	0	X	0	0	0.5	1.5	1	1.5	0	0	0	0	1	0	90	0	X	60	T	100	0	2.5	0	80	70	HPC	SND	50	15	1B	1B	X			
Cow Creek	17543	07/29/99	360	0.3	0.3	0.3	7	8	40	0	0	0	0	0	30	30	0	X	0	0	0	1.5	2	1	0	0	0	0	1.5	0	65	0	X	60	M	80	0	2	0	80	70	HPC	SND	50	20	1B	1B	X			
Cow Creek	17543	07/29/99	380	0.2	0.3	0.2	7	8	20	0	30	0	0	0	0	50	0	X	0	0	0	0.75	1.5	1.5	0	0	0	0	1	0	80	0	X	55	T	90	0	2.5	0	80	70	HPC	SND	50	20	1B	1B	X			
Cow Creek	17543	07/29/99	400	0.1	0.1	0.1	3	7	5	0	5	0	0	0	0	90	0	X	0	0	0	2	1	0.5	0	0	0	0.5	1	0	80	0	X	60	T	80	0	2.5	0	80	65	HPC	SND	50	20	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Fourmile Creek	14492	07/28/99	20	0.4	0.5	0.6	9	9	0	0	90	10	0	0	0	0	0	X	0	0	0.5	3	2	1	0	0	0	0.5	6	0	70	0	X	65	M	0	40	0	1	90	85	SI&C	GVL	50	0	1C		X			
Fourmile Creek	14492	07/28/99	40	0.5	0.6	0.6	8	10	0	0	30	0	0	70	0	0	0	X	0	0	4	2.5	2.5	2.5	0	0	0	0	5	0	85	X	X	65	T	0	10	0	1	75	85	GRV	SND	50	3	1C					1
Fourmile Creek	14492	07/28/99	60	0.3	0.4	0.3	8	20	0	0	15	0	0	85	0	0	0	X	0	0	1.5	5	2	1	0.5	0	0	0	6	0	50	X	X	50	M	0	100	0	2	45	80	GRV	HPC	50	0	1C			10		3
Fourmile Creek	14492	07/28/99	80	0.5	0.4	0.3	6	9	0	0	20	0	0	80	0	0	0	X	0	0	1	0.75	1	1.5	1	0	0	0	4	0	75	X	X	60	T	0	40	0	2	60	85	GRV	HPC	50	0	1C			5		
Fourmile Creek	14492	07/28/99	100	0.1	0.2	0.1	2	14	0	0	30	0	0	70	0	0	0	X	0	0	0.5	0	0.5	1	0.75	0	0	0.5	3	0	90	X	X	55	T	0	100	0	2.5	45	80	GRV	HPC	50	25	1C	1C		10		
Fourmile Creek	14492	07/28/99	120	0.2	0.2	0.1	7	13	0	0	0	0	0	100	0	0	0	X	0	0	0.5	0.75	0.75	1	0.75	0	0	0	2	0	50	X	X	45	T	0	100	0	2	50	80	SI&C	BRK	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	140	0.2	0.1	0.1	10	13	0	0	0	0	0	100	0	0	0	X	0	0	0.5	0	0	1.5	1	0	0	0	1.5	0	60	0	X	60	M	15	25	1	1	70	75	SI&C	BRK	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	160	0.2	0.2	0.2	6	14	0	0	65	15	0	20	0	0	X	X	0	0	0	0	0.5	0	1	0	0	0	15	10	40	X	X	70	M	15	15	1	1	70	80	GRV	BRK	50	50	1C	1C		10		
Fourmile Creek	14492	07/28/99	180	0.1	0.7	0.5	14	17	25	0	0	0	0	70	5	0	0	X	0	0	0	5	0	0	1	0	0	0	7	0	25	X	X	50	M	30	15	1.5	1.5	75	70	SI&C	BRK	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	200	0.6	0.6	0.4	10	12	0	0	15	0	0	85	0	0	0	X	0	0	0.75	1	0.5	0.5	2	0	0	0	6	0	65	X	X	65	M	0	90	0	1	85	75	SI&C	BRK	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	220	0.6	0.7	0.5	8	11	0	0	40	0	0	60	0	0	0	X	0	0	0	0.5	0.5	0	1	0	0	0	3	0	70	0	X	65	M	0	100	0	1	80	70	SI&C	BRK	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	240	0.1	0.3	0.5	4	11	0	0	90	5	0	0	5	0	0	X	0	0	1	0	1.5	1.5	1.5	0	0	0.5	5	0	60	X	X	60	M	0	20	0	1.5	60	80	GRV	HPC	50	25	1C	1C		5		1
Fourmile Creek	14492	07/28/99	260	0.1	0	0.2	4	12	0	0	95	0	0	0	5	0	0	X	0	0	1	0	2.5	1.5	0	0	0	0	8	0	95	X	X	60	M	0	100	0	1.5	50	85	GRV	HPC	50	30	1C	1C		5		
Fourmile Creek	14492	07/28/99	280	0.5	0.7	0.6	9	11	0	0	80	10	0	0	10	0	0	X	0	0	0.5	1.5	1	0.75	0	0	0	0	5	0	30	X	X	70	M	0	0	0	0	60	80	GRV	SND	50	50	1C	1C				2
Fourmile Creek	14492	07/28/99	300	0.3	0.5	0.2	8	12	0	0	45	5	0	50	0	0	0	X	0	0	1	1	4.5	2	0.75	0	0	0	3	0	40	X	X	65	T	80	10	2.5	0.5	85	75	SND	GVL	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	320	0.3	0.4	0.2	5	11	0	0	75	5	0	20	0	0	0	X	0	0	0.75	0.5	0.5	1	0.75	0	0	0	5	0	90	X	X	80	T	10	0	2.5	0	80	45	HPC	GVL	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	340	0.4	0.5	0.3	9	9	10	0	50	0	0	0	0	40	0	X	0	0	0	2	3	1	0	0	0	0	7	0	80	0	X	65	T	60	0	3	0	80	50	HPC	SND	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	360	0.3	0.4	0.4	10	10	0	0	80	20	0	0	0	0	0	X	0	0	0.5	1	1	0.75	0	0	0	0	6	0	90	0	X	60	T	100	0	2	0	85	80	HPC	SND	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	380	0.3	0.3	0.3	8	8	5	0	90	5	0	0	0	0	0	X	0	0	0.75	1.5	2	1	0	0	0	0	7	0	85	0	X	85	M	10	10	1.5	0.5	80	75	SND	SND	50	50	1C	1C	X			
Fourmile Creek	14492	07/28/99	400	0.2	0.3	0.3	1	13	0	0	50	0	0	0	50	0	0	X	0	0	0.75	3.5	2.5	1	0	0	0	0	6	0	90	X	X	75	M	20	10	1	1.5	50	75	GRV	SND	50	50	1C	1C				3
Russell Creek	17538	08/03/99	20	0.4	0.5	0.5	12	20	0	0	35	5	0	60	0	0	0	X	0	0	0.5	0.75	1.5	1.5	0.5	0	0.5	0	6	0	50	0	X	65	M	15	40	1.5	2	85	75	SI&C	Si&C	0	0			X			
Russell Creek	17538	08/03/99	40	0.3	0.5	0.4	12	15	0	10	0	0	0	80	10	0	0	X	0	0	0	0.5	0.75	0	0.5	0	2	0	8	0	30	X	X	70	M	0	40	0	2	85	80	SI&C	Si&C	0	0			X			
Russell Creek	17538	08/03/99	60	0.4	0.5	0.5	14	14	0	0	30	0	0	60	10	0	0	X	0	0	0.5	0.5	1	0.75	0.5	0	1	0	3	0	45	0	X	60	T	0	100	0	2	75	85	SI&C	Si&C	50	0	1B		X			
Russell Creek	17538	08/03/99	80	0.3	0.4	0.2	11	13	0	0	30	0	0	60	10	0	0	X	0	0	0	0	0.75	0	0.75	0	0.5	0	2	0	80	0	X	50	T	80	90	1.5	2	80	80	SI&C	Si&C	50	0	1B		X			
Russell Creek	17538	08/03/99	100	0.2	0.3	0.2	7	15	0	0	0	20	10	60	10	0	0	X	0	0	0	0	0	0	1	0	1.5	0	7	0	25	X	X	50	M	100	0	4	0	80	50	SI&C	GVL	50	0	1B		X			
Russell Creek	17538	08/03/99	120	0.1	0.1	0.1	5	15	0	80	10	0	0	0	10	0	0	X	0	0	0	0	0	0	0.75	0	12	0	5	0	10	X	X	55	T	100	0	4	0	90	45	SI&C	GVL	50	10	1B	1B	X			
Russell Creek	17538	08/03/99	140	0.6	0.7	0.4	9	14	0	0	40	0	0	0	0	60	0	X	0	0	0	0	0	0	1	0	20	0	4	0	35	X	X	50	T	100	0	4	0	90	60	SI&C	GVL	50	15	1B	1B	X			
Russell Creek	17538	08/03/99	160	0.2	0.6	0.6	8	14	0	0	60	0	5	0	0	35	0	X	0	0	0	0	0	0	0.5	0	7	0	6	0	25	X	X	55	M	100	20	4	0.5	85	70	SI&C	Si&C	50	10	1B	1B	X			
Russell Creek	17538	08/03/99	180	0.5	0.5	0.5	14	14	0	15	25	0	0	60	0	0	0	X	0	0	0	1.5	2.5	0	0.75	0	0	0	4	0	35	0	X	60	T	80	30	4	1.5	85	80	SI&C	Si&C	50	0	1B		X			
Russell Creek	17538	08/03/99	200	0.3	0.2	0.3	13	14	0	15	70	15	0	0	0	0	0	X	0	0	1.5	0.5	0.5	1.5	0	0	0	0	6	0	60	0	X	65	T	0	30	0	2	70	80	SI&C	Si&C	50	0	1B		X			
Russell Creek	17538	08/03/99	220	0.5	0.8	0.5	12	16	0	0	30	20	0	50	0	0	0	X	0	0	0.5	0.5	0	1	0	0	0	0	7	0	55	0	X	65	M	0	50	0	3	70	80	SI&C	Si&C	50	0	1B		X			
Russell Creek	17538	08/03/99	240	0.4	0.7	0.6	8	16	0	0	60	10	0	20	0	10	0	X	0	0	0.5	0	0.75	1	0	0	0	0	5	0	60	X	X	75	M	0	80	0	3	60	85	GRV	Si&C	50	0	1B		X			
Russell Creek	17538	08/03/99	260	0.2	0.6	0.5	5	20	0	0	40	20	0	10	0	30	0	X	0	0	0	0	0.5	0.5	0.5	0	0	0	20	0	50	X	X	55	T	0	100	0	3	50	85	GRV	Si&C	50	0	1B		X			
Russell Creek	17538	08/03/99	280	0.4	0.6	0.3	7	21	0	0	30	0	0	0	0	70	0	X	0	0	0	0.5	2.5	0	0.5	0	1.5	0	15	0	25	X	X	45	T	0	100	0	3.5	50	85	GRV	Si&C	50	0	1C		X			
Russell Creek	17538	08/03/99	300	0.8	1	1	7	23	0	0	75	5	0	0	0	20	0	X	0	0	0	0.5	2.5	0	0.5	0	2	0	4	0	10	X	X	50	T	0	100	0	3.5	60	80	GRV	Si&C	50	0	1C		X			
Russell Creek	17538	08/03/99	320	0.6	0.8	0.8	8	12	0	10	30	0	0	0	10	50	0	X	0	0	0	1.5	2	1	0	0	0	0.5	7	0	30	X	X	50	T	0	90	0	3.5	70	75	SI&C	HPC	50	30	1C	1B	X			
Russell Creek	17538	08/03/99	340	0.2	0.4	0.4	10	11	0	0	40	10	0	30	0	20	0	X	0	0	0	0	0.5	1	0.75	0	0.5	0	5	0	30	0	X	50	M	0	100	0	4	75	80	SI&C	HPC	50	50	1B	1B	X			
Russell Creek	17538	08/03/99	360	0.1	0	0	2	15	0	0	70	10	0	0	10	10	0	X	0	0	0.5	0.5	1.5	1	0	0	1	0	7	0	10	X	X	55	M	0	100	0	4	75	80	SI&C	HPC	50	50	1B	1B	X			
Russell Creek	17538	08/03/99	380	0.2	0.3	0.2	4	14	0	0	20	0	5	70	5	0	0	X	0	0	0	0	1.5	0.5	0	0	5	0	10	0	15	X	X	55	M	0	100	0	3.5	50	80	GRV	HPC	50	50	1B	1B	X			
Russell Creek	17538	08/03/99	400	0.3	0.6	0.5	6	12	0	0	20	0	0	70	0	10	0	X	0	0	0	0	0.5	0	0.5	0	1	0	3	0	10	X	X	60	M	0	100	0	3.5	40	90	GRV	HPC	50	50	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Bull Creek	11871	08/26/98	20	0.1	0.2	0.1	3	10	30	5	15	50	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	40	50	10	0	0	0	O	0	0	0	0	40	40	CLY	CLY	0	0			X			
Bull Creek	11871	08/26/98	40	0.1	0.2	0.1	1	9	15	15	20	50	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	40	50	90	0	0	50	T	0	50	0	1.6	45	70	SND	SND	10	10	1B	1B	X			
Bull Creek	11871	08/26/98	60	0.1	0.1	0.1	3	8	15	30	55	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	25	50	90	0	0	50	T	50	50	1	1.5	50	70	SND	SND	10	15	1B	1B	X			
Bull Creek	11871	08/26/98	80	0.1	0.2	0.1	4	10	40	10	50	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	20	70	80	0	0	50	T	75	0	2	0	80	30	SND	SND	5	25	1B	1B	X			
Bull Creek	11871	08/26/98	100	0.1	0.2	0.1	3	10	5	30	55	0	0	0	0	10	0	0	X	0	0	0	0	0	0	0	0	0	10	70	85	0	0	50	M	100	0	2.2	0	80	30	SND	SND	5	25	1B	1B	X			
Bull Creek	11871	08/26/98	120	0.2	0.1	0.2	6	10	60	20	10	0	0	0	0	10	0	X	X	0	0.5	0.5	0	0	0	0	0	0	15	0	80	X	X	50	M	100	0	1.8	0	80	30	SND	SND	5	15	1B	1B	X			
Bull Creek	11871	08/26/98	140	0.1	0.2	0.3	5	9	100	0	0	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	85	X	X	50	T	0	0	0	0	70	75	SND	SND	8	15	1B	1B	X			
Bull Creek	11871	08/26/98	160	0.2	0.4	0.3	6	9	100	0	0	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	70	X	X	80	T	0	0	0	0	60	70	SND	SND	10	12	1B	1B	X			
Bull Creek	11871	08/26/98	180	0.2	0.1	0.3	5	9	80	0	0	0	0	0	20	0	0	X	0	0	0	5	3	0	0	0	0	0	0	0	75	0	0	50	T	0	50	0	2	45	75	SND	SND	20	10	1B	1B	X			
Bull Creek	11871	08/26/98	200	0.4	0.7	0.3	4	8	60	10	0	0	0	0	10	20	0	X	0	0	0	1	1	0	0	0	0	0	0	0	70	0	0	50	T	0	100	0	1.8	50	75	SND	CLY	20	10	1B	1B	X			
Bull Creek	11871	08/26/98	220	0.1	0.2	0.1	4	8	55	5	10	0	0	0	20	10	0	0	X	0	0	1	0.5	0	0	0	0	0	5	90	75	0	0	70	T	0	100	0	0.6	50	75	SND	CLY	20	15	1B	1B	X			
Bull Creek	11871	08/26/98	240	0.1	0.2	0.2	4	8	10	5	10	25	0	0	0	50	0	0	X	0	0	0	0	0	0	0	0	0	10	80	75	0	0	60	T	0	25	0	0.8	40	75	SND	CLY	20	20	1B	1B	X			
Bull Creek	11871	08/26/98	260	0.2	0.3	0.2	5	8	80	5	5	0	0	0	10	0	0	X	0	0	0	5	2	0	0	0	0	0	5	80	75	0	0	70	T	0	0	0	0	70	60	SND	SND	15	30	1B	1B	X			
Bull Creek	11871	08/26/98	280	0.3	0.5	0.4	4	10	5	0	0	0	0	0	5	90	0	X	0	0	0	3	1	0	0	0	0	0	0	0	25	0	0	80	M	0	0	0	0	75	75	SND	SND	8	40	1B	1B	X			
Bull Creek	11871	08/26/98	300	0.1	0.2	0.1	4	8	80	5	5	0	0	0	10	0	0	0	X	0	0	2	1	0	0	0	0	0	0	0	50	0	0	60	M	0	0	0	0	70	80	SND	SND	5	40	1B	1B	X			
Bull Creek	11871	08/26/98	320	0.3	0.2	0.2	6	7	80	5	0	0	0	0	15	0	0	X	0	0	0	2	1	0	0	0	0	0	0	0	30	0	0	70	M	0	0	0	0	70	70	CLY	CLY	10	40	1B	1B	X			
Bull Creek	11871	08/26/98	340	0.4	0.5	0.3	7	8	70	0	0	0	0	0	20	10	0	X	0	0	0	1	1	0	0	0	0	0	0	0	70	0	0	50	M	0	90	0	1	80	85	CLY	CLY	10	35	1B	1B	X			
Bull Creek	11871	08/26/98	360	0.3	0.5	0.4	6	8	75	0	0	0	0	0	25	0	0	X	0	0	0	0	1	0	0	0	0	0	0	0	80	0	0	40	T	75	75	1	1	85	80	CLY	CLY	10	40	1B	1B	X			
Bull Creek	11871	08/26/98	380	0.2	0.3	0.2	5	10	80	0	0	0	0	0	20	0	0	0	X	0	0	5	5	0	0	0	0	0	0	0	50	0	0	60	T	0	50	0	0.7	75	85	SND	SND	8	40	1B	1B	X			
Bull Creek	11871	08/26/98	400	0.4	0.5	0.3	6	8	80	0	0	0	0	0	20	0	0	X	0	0	0	1	1	0	0	0	0	0	0	0	75	0	0	80	T	0	0	0	0	80	50	SND	SND	8	50	1B	1B	X			
PawPaw Creek	11997	08/26/98	20	0.7	0.8	0.7	16	18	10	5	5	0	0	80	0	0	0	X	0	0	1	0.5	0.5	0.5	0	0	0	0	5	0	25	0	0	75	M	0	0	0	0	80	55	SND	SND	25	15	1B	1B	X			
PawPaw Creek	11997	08/26/98	40	0.2	0.6	0.3	5	18	20	50	10	0	0	0	20	0	0	X	0	0	0.5	1	1	0.5	0	0	0.5	0	0	0	30	0	0	70	M	50	0	1.8	0	85	30	SND	SND	20	20	1B	1B	X			
PawPaw Creek	11997	08/26/98	60	0.6	0.8	0.7	8	20	20	15	5	0	0	50	10	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	50	0	0	80	M	0	0	0	0	85	35	SND	SND	20	30	1B	1B	X			
PawPaw Creek	11997	08/26/98	80	0.5	0.7	0.5	10	20	20	15	5	0	0	50	10	0	0	X	0	0	0.5	0	0.5	1	0	0	0	0	0	0	20	0	0	60	M	50	0	1	0	90	45	SND	SND	20	20	1B	1B	X			
PawPaw Creek	11997	08/26/98	100	0.5	0.8	0.6	16	17	30	5	5	0	0	60	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	20	0	0	60	M	0	50	0	2	75	80	SND	SND	15	15	1B	1B	X			
PawPaw Creek	11997	08/26/98	120	0.7	0.7	0.7	16	17	50	10	20	0	0	20	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	40	0	0	50	T	50	25	1.2	1.5	80	80	SND	SND	15	10	1B	1B	X			
PawPaw Creek	11997	08/26/98	140	0.2	0.2	0.3	5	18	10	3	75	10	0	0	2	0	0	X	0	0	0.5	0	0.5	0.5	0	0	0	0	0	0	40	0	0	60	M	30	0	2	0	80	80	SND	SND	5	10	1B	1B	X			
PawPaw Creek	11997	08/26/98	160	0.8	1.2	0.8	7	16	15	0	0	0	0	50	0	35	0	X	0	0	0.5	0	0.5	0.5	0	0	0	0	0	0	50	0	0	90	M	0	0	0	0	50	75	SND	SND	5	10	1B	1B	X			
PawPaw Creek	11997	08/26/98	180	0.8	1	1	8	16	35	0	5	0	0	50	2	8	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	80	0	0	60	M	0	0	0	0	60	80	SND	SND	5	5	1B	2B	X			
PawPaw Creek	11997	08/26/98	200	0.8	0.5	0.4	11	16	65	20	10	0	0	0	15	0	0	X	0	0	0.5	1	1	0.5	0	0	0	0	0	0	80	0	0	60	M	0	50	0	1.8	50	80	SND	SND	5	5	1B	2B	X			
PawPaw Creek	11997	08/26/98	220	0.8	1	0.6	17	18	20	15	25	0	0	25	5	10	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	70	0	0	80	M	0	0	0	0	70	85	SND	SND	5	5	1B	2B	X			
PawPaw Creek	11997	08/26/98	240	0.8	1.1	0.6	15	16	70	5	10	0	0	0	5	10	0	X	0	0	0	0	0.5	0	0	0	0	0	0	0	25	0	0	70	M	50	50	2.5	1.2	85	80	SND	SND	5	5	1B	2B	X			
PawPaw Creek	11997	08/26/98	260	0.7	0.7	0.7	20	20	60	10	25	5	0	0	5	5	0	X	0	0	1	0	0.5	1	0	0	0	0	0	0	20	0	0	75	M	0	0	0	0	70	85	SND	SND	15	15	1B	1B	X			
PawPaw Creek	11997	08/26/98	280	0.6	0.7	0.6	16	16	45	5	20	5	0	20	0	5	0	X	0	0	1	2	1	1	0	0	0	0	0	0	20	0	0	60	M	0	50	0	2.5	85	85	SND	SND	20	20	1B	1B	X			
PawPaw Creek	11997	08/26/98	300	0	0	0	0	18	20	35	30	15	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	0	80	M	0	0	0	0	85	80	SND	SND	20	20	1B	1B	X			
PawPaw Creek	11997	08/26/98	320	0.1	0.2	0.1	1	20	90	0	0	0	0	0	10	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	60	T	0	90	0	2	80	85	SND	SND	20	20	1B	1B	X			
PawPaw Creek	11997	08/26/98	340	0	0	0	0	20	20	35	10	10	0	25	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	25	0	0	60	T	0	90	0	2.2	80	85	SND	SND	20	30	1B	1B	X			
PawPaw Creek	11997	08/26/98	360	0.3	0.1	0.1	7	20	10	65	20	0	0	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	60	M	0	60	0	2.2	45	80	SND	SND	20	35	1B	1B	X			
PawPaw Creek	11997	08/26/98	380	0.5	0.6	0.4	9	18	5	8	20	10	0	50	0	2	0	X	0	0	0	0	0	0	0	0.5	0	0	0	0	35	0	0	70	M	0	50	0	2.2	45	75	SND	SND	25	35	1B	1B	X			
PawPaw Creek	11997	08/26/98	400	0	0	0	0	18	10	35	35	10	0	10	0	0	0	X	0	0	0	0	0.5	0.5	0	0	0	0	0	0	25	0	0	75	M	0	0	0	0	45	70	SND	SND	25	30	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Warren Branch Creek	17554	07/28/99	20	0.1	0.1	0.1	8	23	0	0	0	0	0	100	0	0	X	0	0	0	0	0	0	0	0.5	0	0	0	5	0	0	0	0	90	G	0	0	0	0	35	40	GRV	CBL	5	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	40	0.3	0.2	0.2	14	20	0	1	4	5	0	90	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	5	0	0	0	0	50	G	0	0	0	0	35	45	CBL	CBL	5	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	60	0.4	0.6	0.3	8	19	0	0	0	0	40	60	0	0	0	X	0	0	0	0	0	0	0.5	0	0	0	15	0	5	0	0	50	T	0	0	0	0	35	45	BRK	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	80	0.7	0.3	0.5	20	23	0	2	8	60	20	10	0	0	0	X	X	0	0	0	0	0	0.5	0	0	0	60	15	0	0	0	60	T	0	0	0	0	40	45	BRK	BLD	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	100	0.5	0.9	0.3	25	37	15	40	10	35	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	20	0	0	0	X	85	G	0	0	0	0	40	45	SI&C	BLD	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	120	0.5	0.5	0.3	28	32	20	40	20	20	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	20	0	0	0	X	85	G	0	0	0	0	40	65	SI&C	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	140	0.4	0.4	0.4	28	31	10	20	10	10	0	50	0	0	0	X	X	0	0	0	0	0	0	0	0	0	20	0	0	0	X	85	G	0	0	0	0	40	70	SI&C	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	160	0.2	0.3	0.2	17	27	10	5	50	25	0	0	10	0	X	X	0	0	0	0	0	0	0	0	0	0	50	25	0	X	X	85	G	0	0	0	0	40	60	SI&C	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	180	0.2	0.2	0.3	15	30	0	3	7	5	0	85	0	0	0	0	X	0	0	0	0	0	0	0	0	0	20	0	0	0	0	85	G	0	0	0	0	70	45	SI&C	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	200	0.1	0.1	0.1	16	36	0	0	25	15	0	60	0	0	X	0	0	0	0	0	0	0	0	0	0	0	25	20	0	0	0	80	G	0	0	0	0	60	40	SI&C	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	220	0.1	0.3	0.1	38	42	0	2	55	28	0	15	0	0	X	0	X	0	0	0	0	0	0	0	0	0	65	20	0	X	X	80	G	10	0	2	0	70	45	CBL	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	240	0.1	0.2	0.1	16	38	0	2	50	38	0	10	0	0	X	0	0	0	0	0	0	0	0	0	0	0	75	20	0	X	X	80	G	80	0	2	0	70	45	CBL	GVL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	260	0.2	0.3	0.2	25	32	0	2	45	18	0	35	0	0	0	0	X	0	0	0	0	0	0	0	0	0	50	25	0	X	X	85	G	0	0	0	0	45	45	CBL	GVL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	280	0.2	0.1	0.1	28	36	0	0	15	15	0	70	0	0	X	0	0	0	0	0	0	0	0	0	0	0	25	15	0	X	X	85	G	0	0	0	0	45	45	CBL	CBL	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	300	0.2	0.2	0.2	10	22	0	0	0	0	0	100	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	X	X	80	G	0	0	0	0	30	45	SI&C	BRK	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	320	0.2	0.1	0.1	15	25	0	2	80	18	0	0	0	0	X	X	0	0	0	0	0	0	0	0	0	0	80	20	0	X	X	70	G	10	0	0.8	0	45	45	SI&C	Si&C	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	340	0.2	0.2	0.2	10	23	0	1	30	19	0	50	0	0	0	0	X	0	0	0	0	0	0	0	0	0	30	25	0	X	X	50	G	70	0	1	0	45	45	GRV	Si&C	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	360	0.2	0.2	0.2	9	22	0	2	10	13	0	75	0	0	0	X	0	0	0	0	0	0	0	0	0	0	15	0	0	X	X	50	G	85	0	1	0	45	45	CBL	BRK	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	380	0.2	0.2	0.3	16	22	0	2	10	13	0	75	0	0	0	X	0	0	0	0	0	0	0	0	0	0	15	0	0	X	X	50	G	90	0	1	0	45	45	CBL	BRK	0	0	2B	2B	X			
Warren Branch Creek	17554	07/28/99	400	0.2	0.3	0.3	16	20	0	1	35	14	0	50	0	0	0	X	0	0	0	0	0	0	0	0	0	0	40	0	0	0	0	50	G	0	0	0	0	45	45	CBL	BRK	0	0	2B	2B	X			
Fivemile Creek	17553	07/27/99	20	0.4	0.7	0.4	10	15	0	5	70	15	10	0	0	0	0	0	X	0	0	5	5	0	0	0	0	0	75	20	0	X	X	20	T	0	0	0	0	40	45	GRV	GVL	0	5		2B	X			
Fivemile Creek	17553	07/27/99	40	0.5	0.5	0.5	3	28	0	0	15	10	0	0	0	75	0	0	X	0	0	0	0	0	0	0	0	0	70	15	0	X	X	15	G	0	0	0	0	50	20	BLD	GVL	0	5		2B	X			
Fivemile Creek	17553	07/27/99	60	0.2	0.2	0.1	7	38	0	2	75	23	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	85	15	0	X	X	0	G	80	0	1.6	0	45	20	GRV	GVL	5	5	2B	2B	X			
Fivemile Creek	17553	07/27/99	80	0.3	0.2	0.1	7	45	0	2	90	8	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	75	25	0	X	X	0	G	100	0	1.7	0	40	15	GRV	GVL	10	10	2B	2B	X			
Fivemile Creek	17553	07/27/99	100	0.2	0.3	0.2	4	40	0	1	80	19	0	0	0	0	0	0	X	0	0	0.5	0.5	0	0	0	0	0	80	20	0	X	X	0	G	100	0	1.4	0	30	15	GRV	GVL	20	10	2C	2B	X			
Fivemile Creek	17553	07/27/99	120	0.4	0.2	0.5	8	32	0	5	90	5	0	0	0	0	0	X	X	0	0	0.5	0.5	0.5	0	0	0	0	70	0	0	X	X	0	G	100	50	1	1	20	45	GRV	GVL	25	20	2C	1B	X			
Fivemile Creek	17553	07/27/99	140	0.1	0.1	0.1	23	28	0	2	85	13	0	0	0	0	X	0	0	0	0	0	0	0.5	0	0	0	0	80	20	0	X	X	10	T	100	90	1	0.5	45	45	GRV	GVL	25	40	2C	1B	X			
Fivemile Creek	17553	07/27/99	160	0.2	0.1	0.1	20	32	0	2	75	23	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	75	25	0	X	X	0	G	100	0	1.1	0	40	25	GRV	GVL	20	40	2C	1B	X			
Fivemile Creek	17553	07/27/99	180	0.2	0.2	0.1	16	32	0	2	75	23	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	75	25	0	X	X	0	G	100	0	1.1	0	45	15	GRV	GVL	20	40	2C	1B	X			
Fivemile Creek	17553	07/27/99	200	0.2	0.2	0.1	10	30	0	2	75	23	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	80	20	0	X	X	0	G	100	0	1.1	0	45	10	GRV	GVL	20	50	2C	1B	X			
Fivemile Creek	17553	07/27/99	220	0.1	0.1	0.1	23	30	0	1	80	19	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	80	20	0	X	X	5	T	100	0	1	0	45	30	GRV	GVL	20	50	2C	1B	X			
Fivemile Creek	17553	07/27/99	240	0.3	0.3	0.1	24	28	0	2	80	18	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	0	X	X	5	G	0	0	0	0	40	45	GRV	GVL	20	50	2C	1A	X			
Fivemile Creek	17553	07/27/99	260	0.4	0.3	0.2	19	28	0	5	75	20	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	70	0	0	X	X	10	G	0	0	0	0	35	45	GRV	GVL	30	50	2C	1A	X			
Fivemile Creek	17553	07/27/99	280	0.5	0.3	0.2	17	23	0	3	80	17	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	0	X	X	60	M	0	0	0	0	40	45	SI&C	Si&C	40	50	2C	1A	X			
Fivemile Creek	17553	07/27/99	300	0.4	0.2	0.2	16	21	0	2	85	13	0	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0	75	25	0	X	X	60	T	0	0	0	0	35	90	GRV	BRK	40	50	2C	1A	X			
Fivemile Creek	17553	07/27/99	320	0.3	1.4	1	10	15	0	5	40	5	10	40	0	0	0	X	0	0	1	0	0	0.5	1	0	0	0	70	0	20	X	X	70	M	0	0	0	0	45	90	GRV	BRK	50	50	2B	1A	X			
Fivemile Creek	17553	07/27/99	340	0.1	0.2	0.3	9	15	0	2	80	8	0	10	0	0	0	0	X	0	0.5	0	0	0.5	0.5	0	0	0	70	20	50	X	X	70	M	0	0	0	0	35	75	GRV	Si&C	50	50	1B	1A	X			
Fivemile Creek	17553	07/27/99	360	0.1	0.2	0.3	7	14	0	2	90	3	0	5	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	70	30	40	X	X	80	M	0	0	0	0	30	50	SND	BLD	50	50	1B	1A	X			
Fivemile Creek	17553	07/27/99	380	0.1	0.1	0.1	9	15	0	2	80	18	0	0	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	80	20	80	X	X	60	M	20	0	1	0	40	75	SND	BRK	50	50	1B	1A	X			
Fivemile Creek	17553	07/27/99	400	0.2	0.1	0.1	12	15	0	2	85	13	0	0	0	0	X	0	0	0	1	0	0	1	0	0	0	0	80	20	90	X	X	70	M	30	0	1	0	45	70	SI&C	BRK	50	50	1A	1A	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Little Fivemile Creek	17552	07/27/99	20	0.3	0.1	0.3	12	15	0	3	70	7	0	20	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	20	0	30	0	0	90	M	0	0	0	0	45	45	SI&C	Si&C	30	50	2B	2B	X			
Little Fivemile Creek	17552	07/27/99	40	0.1	0.3	0.5	11	15	0	3	65	12	0	20	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	50	0	70	0	0	90	T	0	0	0	0	40	60	SI&C	Si&C	30	50	2B	2B	X			
Little Fivemile Creek	17552	07/27/99	60	0.2	0.7	0.8	15	19	2	13	65	10	0	10	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	40	0	85	0	0	80	T	0	0	0	0	25	60	SI&C	Si&C	30	40	2B	2B	X			
Little Fivemile Creek	17552	07/27/99	80	0.1	0.1	0.1	4	18	0	2	75	23	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	70	20	40	X	X	25	T	100	0	0.4	0	50	25	SI&C	Si&C	30	0	2B	2B	X			
Little Fivemile Creek	17552	07/27/99	100	0.1	0.2	0.2	5	14	0	2	85	13	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	75	25	50	X	X	50	T	0	0	0	0	60	45	SI&C	GVL	20	20	1B	2B	X			
Little Fivemile Creek	17552	07/27/99	120	0.3	0.5	0.4	5	8	0	20	25	5	0	50	0	0	0	X	0	0	0	0	0	0	0.5	0	0	0	50	0	75	X	X	60	T	0	0	0	0	85	30	BRK	Si&C	25	40	1B	1B	X			
Little Fivemile Creek	17552	07/27/99	140	0.1	0.1	0.1	9	11	0	10	70	20	0	0	0	0	0	X	0	0	0	0	0	0	0.5	0	0	0	60	0	70	0	0	80	T	0	0	0	0	80	35	BRK	Si&C	30	50	1B	1B	X			
Little Fivemile Creek	17552	07/27/99	160	0.1	0.2	0.1	2	11	0	0	75	25	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	80	20	30	X	X	60	T	0	85	0	0.4	80	45	SI&C	Si&C	40	50	1B	1B	X			
Little Fivemile Creek	17552	07/27/99	180	0.1	0.1	0.1	3	11	0	2	70	28	0	0	0	0	X	0	0	0	0.5	0	0	0.5	0	0	0	0	80	20	50	X	X	70	T	0	0	0	0	80	40	SI&C	GVL	50	50	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	200	0.1	0.2	0.4	4	10	0	10	80	10	0	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	60	0	50	X	X	60	T	0	60	0	0.6	45	90	SI&C	Si&C	50	50	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	220	0.1	0.2	0.3	7	11	0	3	90	7	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	65	0	45	X	X	60	T	0	90	0	0.5	45	90	SI&C	Si&C	50	40	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	240	0.1	0.1	0.1	5	11	0	2	75	23	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	80	20	60	0	0	60	T	0	50	0	0.5	45	50	SI&C	Si&C	50	30	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	260	0.2	0.3	0.2	5	9	0	5	70	25	0	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0	70	0	70	X	X	60	T	0	50	0	0.5	40	60	SI&C	GVL	50	20	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	280	0.3	0.3	0.2	8	9	0	2	85	13	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	70	30	70	0	0	50	T	50	50	0.3	0.3	50	50	SI&C	Si&C	50	20	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	300	0.1	0.2	0.1	8	9	0	5	80	15	0	0	0	0	0	0	X	0	0	0.5	0	0	0	0	0	0	65	30	60	X	X	50	T	0	20	0	0.3	70	45	BRK	Si&C	50	20	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	320	0.1	0.3	0.3	5	12	0	2	85	8	0	0	0	5	0	X	0	0	0	0	0.5	0	0	0	0	0	60	0	20	X	X	40	G	0	0	0	0	30	40	GRV	Si&C	50	15	1B	1B	X			
Little Fivemile Creek	17552	07/27/99	340	0.1	0.2	0.3	8	12	0	5	80	15	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	70	0	75	X	X	60	M	0	25	0	0.4	25	45	GRV	Si&C	50	15	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	360	0.1	0.1	0.1	4	12	0	3	85	12	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	70	25	35	X	X	75	M	0	25	0	0.3	20	35	GRV	Si&C	50	15	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	380	0.1	0.2	0.1	3	12	0	2	80	8	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	80	20	60	X	X	70	M	0	0	0	0	25	45	GRV	Si&C	50	15	1A	1B	X			
Little Fivemile Creek	17552	07/27/99	400	0.1	0.2	0.2	5	10	0	2	80	18	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	70	0	90	X	X	60	M	0	0	0	0	40	55	GRV	Si&C	50	20	1A	1B	X			
Pryor Creek	12025	08/14/98	20	0.8	1	0.8	7	10	2	38	55	0	0	0	5	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	20	0	0	0	X	80	G	0	0	0	0	70	45	SND	SND	5	10	2B	2B	X			
Pryor Creek	12025	08/14/98	40	1	1.2	1.1	10	12	5	65	30	0	0	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	5	0	25	0	X	60	M	0	0	0	0	75	70	SND	SND	5	5	1C	2B		40		2
Pryor Creek	12025	08/14/98	60	0.7	0.5	0.4	7	11	5	65	30	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	5	0	20	0	X	10	T	0	50	0	3	45	80	SND	SND	25	2	1D	2B		100		5
Pryor Creek	12025	08/14/98	80	0.1	0.1	0.1	2	13	5	85	10	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	100	50	0	0	5	S	0	50	0	2	45	65	SND	SND	30	2	1D	2C		100	12	8
Pryor Creek	12025	08/14/98	100	0.15	0.25	0.2	5	14	5	80	15	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	20	T	0	0	0	0	45	45	SND	SND	15	2	1D	2C		100	6	4
Pryor Creek	12025	08/14/98	120	1	1.1	0.6	9	11	15	75	10	0	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	0	0	80	0	X	50	T	0	0	0	0	80	80	SND	SND	15	5	1D	1C	X			
Pryor Creek	12025	08/14/98	140	0.7	0.9	0.7	8	10	20	55	0	0	0	0	0	25	0	X	0	0	0.5	0	0	0.5	0	0	0	0	0	0	75	0	X	50	T	0	0	0	0	85	70	SND	SND	15	5	1D	1C				2
Pryor Creek	12025	08/14/98	160	0.2	0.6	0.5	8	12	50	50	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	50	0	X	25	T	0	25	0	1.5	80	60	SND	CLY	15	5	1D	1C		25	2	1
Pryor Creek	12025	08/14/98	180	0.4	0.8	0.7	8	12	50	45	5	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	60	0	X	25	T	0	25	0	1.5	50	55	SND	CLY	15	5	1D	1C		10	2	3
Pryor Creek	12025	08/14/98	200	0.8	1	0.6	7	12	60	30	10	0	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	0	0	25	0	X	25	T	0	40	0	1	45	60	SND	CLY	15	5	1D	1C	X			
Pryor Creek	12025	08/14/98	220	0.4	0.8	0.4	9	15	75	20	0	0	0	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	50	0	X	10	T	0	100	0	1	45	75	SND	CLY	20	5	1D	1C		100	3	4
Pryor Creek	12025	08/14/98	240	0.3	0.8	0.4	8	14	70	5	0	0	0	0	5	0	0	X	0	0	0	0	0.5	0	0	0	0	0	0	0	70	0	X	10	T	20	50	1	2	45	75	SND	CLY	20	5	1D	1D		20		3
Pryor Creek	12025	08/14/98	260	0.3	0.4	0.2	4	14	25	25	25	0	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0.5	0	0	0	20	0	0	10	T	0	100	0	3	40	80	SND	SND	20	2	1D	1C				3
Pryor Creek	12025	08/14/98	280	0.1	0.3	0.2	5	14	75	25	0	0	0	0	0	25	0	X	0	0	0	0	0	0	0	0	0.5	0	0	0	10	0	0	10	T	0	80	0	3	35	75	SND	SND	15	0	1D	2B				2
Pryor Creek	12025	08/14/98	300	0.1	0.1	0.4	10	11	85	10	5	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	0	0	X	10	T	0	90	0	3	35	75	SND	SND	10	0	1D	2B		15	2	3
Pryor Creek	12025	08/14/98	320	0.5	0.3	0.3	10	11	30	50	10	0	0	0	5	5	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	50	0	X	50	T	0	100	0	3.5	75	85	SND	SND	10	5	1D	1C	X			
Pryor Creek	12025	08/14/98	340	0.2	0.3	0.5	10	11	40	40	10	0	0	0	10	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	20	0	X	40	T	0	100	0	4	75	85	SND	SND	10	5	1C	1C	X			
Pryor Creek	12025	08/14/98	360	0.3	0.6	0.5	8	12	40	40	10	0	0	0	10	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	60	0	X	50	T	0	25	0	2.5	65	60	SND	SND	10	5	1C	1C	X			
Pryor Creek	12025	08/14/98	380	0.1	0.2	0.2	4	14	50	20	5	0	0	0	15	10	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	70	0	X	50	T	0	50	0	3	65	75	SND	SND	10	5	1C	1C	X			
Pryor Creek	12025	08/14/98	400	0.1	0.3	0.5	6	14	45	20	10	0	0	0	15	10	0	X	0	0	0	0.5	0.5	0	0	0	0	0	10	0	70	0	X	50	T	0	100	0	4	55	80	SND	SND	15	5	1C	1C	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Candy Creek: Site # 1	21463	08/17/00	20	0.9	2	2	20	23	20	30	20	20	0	0	10	0	0	X	0	0	0	3	2	0	0	0	0	0	30	0	20	0	0	80	M	10	0	0.5	0	45	35	SLT	ROCK	30	25	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	40	0.5	2.5	1.7	15	19	10	0	35	25	15	0	5	10	0	X	0	0	0.25	1	0.5	0	0	0	0	0.25	65	0	30	0	0	90	M	15	5	1	0.25	85	80	SLT	SLT	80	75	1B	1B	X			
Candy Creek: Site # 1	21463	08/17/00	60	1.2	1.3	1.6	16	20	15	0	20	30	15	0	10	10	0	X	0	0	0.25	2	1	0.25	0	0	3	0.5	55	0	10	0	0	75	M	5	80	0.5	2	45	50	SLT	SLT	50	25	1A	1B	X			
Candy Creek: Site # 1	21463	08/17/00	80	0.5	2.2	2.1	17	23	35	0	30	15	5	0	15	0	0	X	0	0	0	1.25	3	0	0	0	0.25	0.25	40	0	8	0	0	85	M	0	85	0	1	55	45	SLT	SLT	50	15	1A	1B	X			
Candy Creek: Site # 1	21463	08/17/00	100	1.4	1.8	2	16	19	30	0	45	10	5	0	10	0	0	X	0	0	0	1.5	1	0.25	0	0	0	0.25	60	0	20	0	0	85	M	0	100	0	1	45	40	SLT	SLT	40	20	1A	1B	X			
Candy Creek: Site # 1	21463	08/17/00	120	1.5	1.6	1.7	15	18	10	0	50	20	5	0	15	0	0	X	0	0	0	0	1	0	0	0	0	1	65	0	12	0	0	85	M	0	50	0	1.25	60	55	SLT	SLT	30	10	1A	1B	X			
Candy Creek: Site # 1	21463	08/17/00	140	1.7	1.4	1.6	14	24	15	0	50	20	5	0	10	0	0	X	0	0	0.5	3	1	0.5	0	0	0	0	70	0	14	0	0	90	M	0	30	0	0.75	35	85	SLT	SLT	35	15	1A	1B	X			
Candy Creek: Site # 1	21463	08/17/00	160	2	1.5	1	14	15	10	0	55	25	0	0	10	0	0	X	0	0	1	2	1	0.25	0	0	1	0.25	75	0	5	0	0	95	M	0	10	0	0.5	45	70	SLT	SLT	30	15	1A	1B	X			
Candy Creek: Site # 1	21463	08/17/00	180	1.1	1.6	1.3	18	20	10	0	30	10	5	0	5	40	0	X	0	0	1.5	4	1	0.5	0	0	0	0.25	60	0	12	0	0	90	M	0	70	0	0.75	85	40	SLT	SLT	35	30	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	200	1.5	1.7	1.4	17	19	10	20	25	5	0	0	5	40	0	X	0	0	0.5	5	2	0.25	0	0	2	0.75	45	0	12	0	0	90	M	0	80	0	0.75	85	65	SLT	SLT	15	10	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	220	1.8	1.8	1.3	17	18	0	0	50	20	0	0	0	30	0	X	0	0	0	1.5	0.25	0	0	0	1.5	0	60	0	15	0	0	95	M	0	30	0	0.5	75	60	SLT	SLT	25	25	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	240	1.8	1.9	1.3	18	21	10	0	35	0	0	0	10	45	0	X	0	0	0.5	3	1	0.5	0	0	0	0	45	0	25	0	0	90	M	15	100	0.75	1.25	65	75	SLT	HPC	22	17	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	260	1.5	1.5	1.6	15	16	10	30	45	0	0	0	15	0	0	X	0	0	0.25	2	0.5	0	0	0	1	0.25	45	0	5	0	0	90	M	0	15	0	0	60	55	SLT	SLT	25	20	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	280	1.3	1.4	1.2	18	20	25	0	35	0	0	0	0	40	0	X	0	0	0.5	1.5	0.5	0.25	0	0	2	0.25	40	0	17	0	0	97	M	0	0	0	0	85	45	SLT	HPC	30	35	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	300	1.1	1.2	1.2	14	15	10	0	45	15	0	0	10	20	0	X	0	0	0.5	2	1	0.5	0	0	3	0	50	0	10	0	0	98	M	0	0	0	0	75	35	SLT	SLT	80	30	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	320	1	1.1	1.3	14	15	0	40	30	10	0	0	0	20	0	X	0	0	0	0.5	0.5	0	0	0	1	0.25	40	0	14	0	0	95	M	0	0	0	0	75	75	SLT	SLT	35	45	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	340	0.7	0.6	1.2	17	21	10	30	30	10	0	0	0	20	0	X	0	0	0	0.5	1	0	0	0	1	0	75	0	5	0	0	97	M	0	35	0	1.5	50	45	SLT	HPC	30	50	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	360	1.3	1.3	1.1	18	21	0	0	55	10	0	0	0	35	0	X	0	0	0	0	3.5	0	0	0	0.5	2	60	0	20	0	0	80	M	0	100	0	1.5	60	65	SLT	HPC	30	50	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	380	1.4	1.2	1.3	14	18	10	0	35	10	5	0	0	40	0	X	0	0	0.5	0	1	0	1	0	7	1.5	55	0	15	0	0	97	M	0	20	1	0.5	50	20	SLT	SLT	35	50	1A	1A	X			
Candy Creek: Site # 1	21463	08/17/00	400	1.4	1.5	1	14	16	10	0	45	10	5	0	10	20	0	X	0	0	1	0.25	1.5	0.25	0	0	3	3	70	0	17	0	0	98	M	0	0	0	0	50	50	SLT	SLT	40	50	1A	1A	X			
Bird Creek	21465	08/18/00	20	0.1	0.2	0.6	28	48	10	0	10	15	10	55	0	0	0	X	X	0	0	0	0	0	5	0	35	0	35	0	5	0	0	75	M	0	50	0	0.25	30	30			17	15	1B	1B	X			
Bird Creek	21465	08/18/00	40	0.3	0.3	0.4	22	45	5	0	0	0	0	80	15	0	0	0	X	0	0	0.5	0.25	0	7	0	15	0	30	0	3	0	0	85	M	0	30	0	0.25	25	65			15	15	1B	1B	X			
Bird Creek	21465	08/18/00	60	0.1	0.2	0.6	24	50	0	0	10	30	25	35	0	0	X	X	X	0	0	0	0	0	3.5	0	50	0	25	15	2	X	0	85	M	50	30	0.5	0.5	30	60			10	15	1B	1A	X			
Bird Creek	21465	08/18/00	80	0.5	0.6	0.1	24	50	0	0	35	40	25	0	0	0	0	X	0	0	0	0	0.25	0	1.5	0	15	0	75	0	7	X	X	85	M	50	70	0.25	0.75	20	25			15	10	2B	1B	X			
Bird Creek	21465	08/18/00	100	0.4	0.6	0.2	30	55	10	10	10	25	20	20	5	0	0	X	0	0	1	0	0	0	1	0	12	0	60	0	5	X	0	75	M	70	0	1	0	35	25			20	17	2C	1B	X			
Bird Creek	21465	08/18/00	120	0.8	0	0.4	16	52	10	0	10	60	10	0	10	0	0	X	0	0	1	0	0	3	0	0	25	0	55	0	25	X	0	80	M	20	15	0.75	0.75	50	20			17	20	1B	1C	X			
Bird Creek	21465	08/18/00	140	0.5	0.1	0.7	35	60	0	0	35	40	0	25	5	0	0	X	0	0	1	0	0.25	0	0.5	0	15	0	45	0	15	X	0	80	M	10	0	0.5	0	50	25			25	17	1B	1B	X			
Bird Creek	21465	08/18/00	160	1	1.6	1.3	55	62	15	0	15	20	40	10	0	0	0	X	0	0	0	0	0.25	0	2	0	12	0	40	0	15	0	0	85	M	15	25	0.5	0.75	45	35			30	15	1B	1B	X			
Bird Creek	21465	08/18/00	180	0.6	1.7	0.7	55	60	10	10	25	30	25	0	0	0	0	X	0	0	0.25	1	0.25	0.25	1	0	4	0	55	0	17	0	0	90	M	0	15	0	0.75	60	45			40	20	1B	1B	X			
Bird Creek	21465	08/18/00	200	0.5	0.9	0.7	52	56	5	5	20	30	40	0	0	0	0	X	0	0	1	0.25	0.25	0.25	0.5	0	0	0	65	0	22	0	X	85	M	30	15	0.75	0.5	65	45			35	25	1B	1B	X			
Bird Creek	21465	08/18/00	220	1.9	1.6	1.8	55	60	5	10	25	30	20	5	5	0	0	X	0	0	0.5	1	0	0.25	0	0	0	0	50	0	17	0	0	85	M	20	0	0.5	0	75	45			30	15	1A	1A	X			
Bird Creek	21465	08/18/00	240	0.7	1.4	1.4	50	54	10	20	30	15	0	20	5	0	0	X	0	0	0.5	0	0.25	0.25	0.5	0	0	0	45	0	15	0	0	90	M	0	0	0	0	75	35			25	16	1A	2A	X			
Bird Creek	21465	08/18/00	260	0.9	1.5	1.4	50	52	5	20	15	10	0	50	0	0	0	X	0	0	0.5	0	1	0.25	0.25	0	0	0	35	0	17	0	0	90	M	100	15	0.75	0.5	60	50			25	15	1A	2B	X			
Bird Creek	21465	08/18/00	280	1	1.6	1.8	50	51	20	15	20	30	15	0	0	0	0	X	0	0	0.5	0	0.25	1	0	0	0	1	55	0	22	0	0	95	M	30	0	0.5	0	60	50			35	15	1A	1A	X			
Bird Creek	21465	08/18/00	300	1	2	1	44	45	10	10	10	40	10	20	0	0	0	X	0	0	0.25	1	0.5	0.25	0	0	0	0	60	0	20	0	0	97	M	0	25	0	0.5	75	45			25	20	1A	1A	X			
Bird Creek	21465	08/18/00	320	1.5	1.5	0.7	55	58	15	10	0	15	20	40	0	0	0	X	0	0	0.25	0.75	0	0	0	0	0	0	30	0	25	0	0	95	M	60	0	0.5	0	80	47			35	15	1A	1B	X			
Bird Creek	21465	08/18/00	340	0.6	0.7	0.4	52	55	5	0	30	0	0	65	0	0	0	X	0	0	0.5	0	0	0.25	1	0	0	0	35	0	15	0	0	90	M	60	15	1	0.5	80	40			30	17	1A	1A	X			
Bird Creek	21465	08/18/00	360	0.5	0	0.3	36	65	5	0	40	50	0	0	5	0	0	X	X	0	0.25	0	1.5	0	0	0	0	0.25	65	0	35	X	X	85	M	15	60	0.5	0.75	80	60			35	10	1A	2B	X			
Bird Creek	21465	08/18/00	380	0.5	0	0.5	15	75	5	0	5	35	0	50	5	0	X	X	0	0	0	1.5	0.25	0	2	0	35	0	75	5	35	X	X	80	M	70	100	0.75	1	80	65			30	10	1A	2B	X			
Bird Creek	21465	08/18/00	400	0.5	0	0.5	39	55	0	0	20	45	0	30	5	0	0	X	X	0	0	1	2	0	5	0	15	0	55	0	40	X	X	85	M	80	85	5	0.5	85	50			35	30	1A	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Clear Creek	11886	09/02/98	20	0.1	0.2	0.1	4	16	5	0	15	60	20	0	0	0	0	0	X	0	0	0	0.75	0	0	0	0	0	55	0	80	X	X	60	G	0	0	0	0	75	70	CBL	BRK	0	0			X			
Clear Creek	11886	09/02/98	40	0.1	0	0.1	10	18	5	5	10	65	15	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0	0.5	50	5	5	X	X	90	M	0	0	0	0	80	80	CBL	BRK	0	15		1B	X			
Clear Creek	11886	09/02/98	60	0.1	0.1	0.1	18	20	10	5	15	55	15	0	0	0	X	0	0	0	0	0.5	0.75	0.5	0.75	0	0	0.75	60	5	10	X	X	90	M	0	0	0	0	80	70	CBL	BRK	0	15		1B	X			
Clear Creek	11886	09/02/98	80	0.2	0.2	0.3	17	24	10	5	25	50	10	0	0	0	X	0	0	0	0	0	0.75	0	2.5	0	0	0.25	50	0	15	X	X	85	M	0	0	0	0	60	75	CBL	BRK	10	10	1B	1B	X			
Clear Creek	11886	09/02/98	100	0.8	1.1	1.2	17	22	10	5	0	0	0	80	5	0	0	X	0	0	0	0.5	0.5	0	1.5	0	0	0	10	0	20	0	X	85	M	0	0	0	0	65	85	SND	BRK	12	2	1B	1B	X			
Clear Creek	11886	09/02/98	120	0.3	0.4	0.5	13	14	5	0	5	0	0	85	5	0	0	X	0	0	0	0	0	0.5	2	0	0	0.75	2	0	10	0	X	90	M	0	0	0	0	70	85	SND	BRK	15	2	1B	1B	X			
Clear Creek	11886	09/02/98	140	0.1	0.1	0.1	12	14	5	0	0	0	0	90	5	0	0	X	0	0	0	0	0	0.5	4.5	0	0.75	0.5	3	0	15	0	X	70	M	0	75	0	1.5	50	85	SND	BRK	15	1	1B	1B	X			
Clear Creek	11886	09/02/98	160	0.1	0.1	0.1	11	14	5	0	0	5	0	90	0	0	0	0	X	0	0	0	0	0.5	3	0	1.5	1	3	0	20	0	X	65	M	0	90	0	1.5	70	85	SND	BRK	15	2	1B	1B	X			
Clear Creek	11886	09/02/98	180	0.2	0.1	0.1	11	15	5	0	0	0	0	90	5	0	0	X	0	0	0.75	0.75	0.5	0.5	0.5	0	0.5	1	1.5	0	10	0	X	70	M	0	50	0	1.5	85	85	SND	SND	15	20	1B	1B	X			
Clear Creek	11886	09/02/98	200	0.3	0.3	0.3	12	13	5	0	0	0	0	90	5	0	0	X	0	0	0.75	0.5	0.5	0.5	0	0	0	1	1.75	0	20	0	X	65	M	0	80	0	2	65	85	SND	SND	12	15	1B	1B	X			
Clear Creek	11886	09/02/98	220	0.3	0.3	0.3	7	10	10	0	0	0	0	85	5	0	0	X	0	0	1	0.5	0.75	0.75	0	0	0	1.5	3.5	0	25	0	X	85	M	0	10	0	0.5	70	80	SND	BLD	20	15	1B	1B	X			
Clear Creek	11886	09/02/98	240	0.1	0.1	0.1	7	11	5	5	10	70	10	0	0	0	X	0	0	0	0.75	0.5	0.5	0.75	0	0	0	1	20	5	20	0	X	90	M	0	0	0	0	70	75	SND	BLD	20	12	1B	1B	X			
Clear Creek	11886	09/02/98	260	0.5	0.6	0.6	8	10	5	0	10	0	0	80	5	0	0	X	0	0	0	0	0	0.5	0	0	3	0.5	25	0	15	0	X	80	M	0	20	0	1.5	50	80	CBL	BLD	20	5	1B	1B	X			
Clear Creek	11886	09/02/98	280	0.1	0	0.1	5	11	5	5	20	65	5	0	0	0	X	0	0	0	0	0.5	0.5	0.5	0	0	2	1.5	30	5	35	X	X	85	M	0	0	0	0	60	80	CBL	SND	25	10	1B	1B	X			
Clear Creek	11886	09/02/98	300	0.4	0.3	0.2	6	8	5	0	20	65	5	0	5	0	0	X	0	0	0.25	0	0.5	0.75	0	0	1.5	0.5	40	0	60	0	X	95	M	0	0	0	0	60	80	CBL	CBL	25	15	1B	1B	X			
Clear Creek	11886	09/02/98	320	0.1	0.1	0.1	13	24	5	10	25	60	0	0	0	0	X	0	0	0	0.5	0.5	0.5	0.5	0	0	8	0.5	30	5	65	X	X	95	M	0	0	0	0	50	70	CBL	CBL	25	20	1B	1B	X			
Clear Creek	11886	09/02/98	340	0.1	0.3	0.3	13	16	10	10	20	50	5	0	5	0	0	X	0	0	0	0	0	0	0	0	15	1	25	0	10	X	X	65	M	75	0	1	0	75	50	BRK	CBL	10	25	1B	1B	X			
Clear Creek	11886	09/02/98	360	1.2	1.3	1.4	12	14	5	5	0	0	0	85	5	0	0	X	0	0	0	0.5	0	0.5	0	0	5	1	3.5	0	0	0	X	75	M	0	10	0	0.5	85	70	SND	SND	5	25	1B	1B	X			
Clear Creek	11886	09/02/98	380	1.1	1.2	1	11	13	5	5	5	0	0	85	0	0	0	X	0	0	0	0	0	0.5	0.75	0	25	0	10	0	0	0	X	95	M	0	0	0	0	85	60	SND	CBL	5	30	1B	1B	X			
Clear Creek	11886	09/02/98	400	0.6	0.7	0.7	11	12	5	5	0	0	0	85	5	0	0	X	0	0	1	0.5	0	0.5	0.5	0	2.5	1	2	0	10	0	X	95	M	0	0	0	0	85	80	SND	SND	5	30	1B	1B	X			
Buck Creek	11867	09/02/98	20	0.7	1	0.6	8	20	5	10	45	30	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	10	G	0	0	0	0	30	40	SND	SND	0	0	2C	2C	X			
Buck Creek	11867	09/02/98	40	0	0	0	0	16	0	0	0	50	50	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	20	0	20	0	0	65	M	0	0	0	0	45	45	SND	SND	10	25	2B	2B	X			
Buck Creek	11867	09/02/98	60	0	0	0	0	16	0	0	0	50	50	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	20	0	0	95	M	0	0	0	0	45	45	SND	SND/BLD	20	50	1B	1B	X			
Buck Creek	11867	09/02/98	80	0	0	0	0	18	0	0	0	60	40	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	5	0	0	100	M	0	0	0	0	40	40	SND	BLD	20	50	1B	1B	X			
Buck Creek	11867	09/02/98	100	0	0	0	0	18	0	0	5	70	25	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	100	M	0	0	0	0	40	45	SND	SND/BLD	20	50	1B	1B	X			
Buck Creek	11867	09/02/98	120	0	0	0	0	20	0	30	10	50	10	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	60	M	0	0	0	0	60	45	SND	SND/BLD	5	50	2D	1B	X			
Buck Creek	11867	09/02/98	140	0.1	0.1	0.1	2	23	5	5	0	50	0	40	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	10	0	0	0	0	50	M	0	0	0	0	35	40	SND	SND	0	50	2D	1B	X			
Buck Creek	11867	09/02/98	160	0.9	1.5	0.7	14	21	0	5	0	5	0	90	0	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	80	M	0	0	0	0	40	45	SND	BRK	0	50	2D	1B	X			
Buck Creek	11867	09/02/98	180	1.2	1	0.6	18	20	0	10	0	0	0	90	0	0	0	X	0	0	0.5	0	0	0	0	0	0	0	0	0	10	0	0	95	M	0	0	0	0	80	75	SND	SND/BLD	0	50	2B	1B	X			
Buck Creek	11867	09/02/98	200	0.9	0.8	0.4	16	18	0	10	0	0	0	90	0	0	0	X	0	0	0.5	0	0	0	0	0	0	0	0	0	10	0	0	95	M	0	0	0	0	90	80	SND	SND	10	50	1B	1B	X			
Buck Creek	11867	09/02/98	220	0.4	0.5	1	12	18	3	7	10	60	20	0	0	0	0	X	0	0	0	0	0.5	0.5	0	0	0	0	40	0	0	0	0	95	M	0	0	0	0	45	75	SND	SND	20	50	1B	1B	X			
Buck Creek	11867	09/02/98	240	0.3	0.7	0.5	16	18	3	7	5	25	0	60	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	40	0	10	0	0	85	M	0	0	0	0	45	85	SND	SND	20	50	1B	1B	X			
Buck Creek	11867	09/02/98	260	1	1.1	1	20	20	5	5	5	20	0	60	5	0	0	X	0	0	0	0	0.5	0	0	0	0	0	10	0	15	0	0	85	M	0	0	0	0	70	85	SND	SND	10	50	1B	1B	X			
Buck Creek	11867	09/02/98	280	0.8	1	0.8	19	20	10	5	5	70	0	5	5	0	0	X	0	0	0	0	0.5	0	0	0	0	0	70	0	15	0	0	85	M	0	0	0	0	80	85	SND	SND	5	50	1B	1B	X			
Buck Creek	11867	09/02/98	300	1.5	1.4	1.1	19	20	10	5	0	10	20	50	5	0	0	X	0	0	0	0	0.5	0	0	0	0	0	40	0	10	0	0	90	M	0	0	0	0	80	90	BLD	SND	10	50	2B	1B	X			
Buck Creek	11867	09/02/98	320	1	1.2	1.1	16	20	20	5	0	10	0	60	5	0	0	X	0	0	0	0	0.5	0	0	0	0	0	20	0	10	0	0	95	M	0	0	0	0	70	70	SND	SND	2	50	2B	1B	X			
Buck Creek	11867	09/02/98	340	1.5	1.5	1.3	15	16	80	0	0	5	0	0	15	0	0	X	0	0	0	0	0.5	0	0	0	0	0	10	0	5	0	0	95	M	0	0	0	0	70	80	SND	SND	2	50	2B	1B	X			
Buck Creek	11867	09/02/98	360	1.5	1.5	1.3	15	16	85	0	0	5	0	0	10	0	0	X	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	95	M	0	0	0	0	85	85	SND	SND	0	50	2B	1B	X			
Buck Creek	11867	09/02/98	380	1.5	1.5	1.4	18	18	85	0	0	5	0	0	10	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	95	M	0	0	0	0	85	85	SND	SND	0	50	2B	1B	X			
Buck Creek	11867	09/02/98	400	1.5	1.5	1.2	19	19	85	0	0	5	0	0	10	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0	95	M	0	0	0	0	85	75	SND	SND	5	50	2B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Mill Creek: Trib. To Eufaula	17557	08/03/99	20	1	1	0.4	5	12	15	10	50	20	0	0	5	0	0	X	0	0	2	0	0	3	0	0	0	0	55	0	20	0	0	20	S	50	0	2.8	0	70	35	SI&C	CBL	40	0	1A		X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	40	0.2	0.3	0.1	5	12	20	0	40	5	0	0	10	25	0	X	0	0	2	0	0	2	0	0	0	0	30	0	25	X	X	20	T	20	0	2	0	65	45	SI&C	SND	50	0	1A		X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	60	0.1	0.1	0.1	3	16	15	5	55	5	0	0	20	0	X	0	0	0	0	0	0	0	0	0	0	0	20	60	20	X	X	10	T	20	0	1.5	0	50	25	SI&C	SND	50	0	1A		X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	80	0.1	0.1	0.1	2	15	20	5	75	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	20	65	50	X	X	5	G	100	0	1.6	0	80	25	SI&C	SND	50	0	1A		X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	100	0.5	0.8	0.7	5	17	50	25	20	0	0	0	0	5	0	X	0	0	0	0.5	0.5	0	0	0	0	0	5	0	0	X	X	5	S	100	0	1.1	0	50	25	HPC	SND	50	0	1A		X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	120	0.2	1	0.9	8	12	40	50	0	0	0	0	0	10	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	20	0	0	10	G	50	80	1.1	1.6	70	65	HPC	HPC	50	10	1A	1B	X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	140	1.2	1.5	1.5	8	10	40	40	0	0	0	0	0	20	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	50	0	0	20	S	25	75	1.2	2	55	60	SI&C	HPC	50	15	1A	1B	X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	160	0.8	1.5	1.1	12	15	40	40	0	0	0	0	10	10	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	25	0	0	10	S	10	75	1	1.8	75	70	SI&C	HPC	50	20	1A	1B	X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	180	0.1	0.1	0.1	3	14	1	45	25	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0	0	0	2	70	0	0	0	35	S	0	0	0	0	50	45	SI&C	HPC	50	20	1A	1B		20	3	2
Mill Creek: Trib. To Eufaula	17557	08/03/99	200	0.1	0.1	0.1	3	15	20	50	0	0	0	0	10	20	0	0	X	0	0	0	0	0	0	0	0	0	0	100	10	0	0	30	S	20	50	1	1	70	45	SI&C	HPC	50	20	1A	1B		50	10	2
Mill Creek: Trib. To Eufaula	17557	08/03/99	220	0.2	0.2	0.2	6	13	25	25	0	0	0	0	0	50	0	X	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	30	S	50	90	1.5	1.5	80	55	SI&C	HPC	50	15	1A	1B		50	8	3
Mill Creek: Trib. To Eufaula	17557	08/03/99	240	0.1	0.2	0.3	5	11	30	50	0	0	0	0	0	20	0	X	0	0	0	0.5	0.5	0	0	0	0	0	0	0	25	0	0	25	T	0	50	0	1.6	75	50	SI&C	HPC	50	15	1A	1B		50	7	2
Mill Creek: Trib. To Eufaula	17557	08/03/99	260	0.1	0.1	0.1	1	12	20	50	10	0	0	0	0	20	X	0	0	0	0	0.5	0.5	0.5	0	0	0	0	2	85	20	0	0	30	T	0	80	0	1.8	70	65	SI&C	HPC	50	15	1A	1B		25	2	3
Mill Creek: Trib. To Eufaula	17557	08/03/99	280	0.2	0.3	0.2	5	12	50	30	0	0	0	0	20	0	0	X	0	0	1	3	2	0.2	0	0	0	0	0	0	50	0	0	25	T	20	20	1	1.4	75	50	SI&C	SI&C	50	20	1A	1B		30	3	2
Mill Creek: Trib. To Eufaula	17557	08/03/99	300	0.6	0.6	0.3	8	12	20	45	20	0	0	0	15	0	0	X	0	0	1	2	1	2	0	0	0	0	10	0	80	X	X	40	T	40	0	1.2	0	80	45	SI&C	SND	50	20	1A	1C		50	5	2
Mill Creek: Trib. To Eufaula	17557	08/03/99	320	0.3	0.4	0.3	8	11	20	70	0	0	0	0	10	0	0	X	0	0	0	1	1	0	0	0	0	0	0	0	30	X	X	30	T	0	0	0	0	60	45	SI&C	SND	50	20	1A	1C		50	3	2
Mill Creek: Trib. To Eufaula	17557	08/03/99	340	1.4	1.2	0.7	8	10	25	65	0	0	0	0	0	10	0	X	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	25	G	0	0	0	0	55	45	HPC	SI&C	50	20	1B	1C	X			
Mill Creek: Trib. To Eufaula	17557	08/03/99	360	0.2	1	1	9	11	20	80	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0	30	G	0	0	0	0	45	70	HPC	SND	50	35	1B	1B		15	2	1
Mill Creek: Trib. To Eufaula	17557	08/03/99	380	0.3	0.5	0.3	8	10	20	75	0	5	0	0	0	0	0	X	0	0	0	1	1	0	0	0	0	0	2	0	60	0	0	40	G	10	0	1	0	65	45	SI&C	SND	40	45	1B	1B		10		1
Mill Creek: Trib. To Eufaula	17557	08/03/99	400	0.7	0.8	0.4	8	11	20	70	0	10	0	0	0	0	0	X	0	0	0.5	0	0	1	0	0	0	0	5	0	70	0	0	60	M	0	0	0	0	60	80	SI&C	SI&C	40	40	1B	1B	X			
Peaceable Creek	17559	08/05/99	20	0.1	0.2	0.1	6	15	5	5	30	35	25	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	50	50	0	0	0	75	G	0	0	0	0	60	40	SI&C	BLD	0	0	2B	2B	X			
Peaceable Creek	17559	08/05/99	40	0.1	0.1	0.1	2	13	2	3	50	45	0	0	0	0	X	0	0	0	0	0	0	0	0	0	1	0	50	50	10	0	0	85	G	0	0	0	0	65	55	SI&C	BLD	2	2	2B	2B	X			
Peaceable Creek	17559	08/05/99	60	0.2	0.2	0.2	8	16	50	10	25	15	0	0	0	0	0	X	0	0	0	0	0	0	0	0	1	0	30	0	10	X	X	80	M	0	0	0	0	70	35	SI&C	CBL	5	5	2B	2B	X			
Peaceable Creek	17559	08/05/99	80	0.1	0.1	0.1	4	18	2	3	60	35	0	0	0	0	X	0	0	0	0	0	0	0.5	0	0	1	0	60	35	25	X	X	70	S	0	50	0	3	70	60	SI&C	Si&C	20	5	1B	2B	X			
Peaceable Creek	17559	08/05/99	100	0.3	0.4	0.9	12	14	25	75	0	0	0	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0	10	0	30	0	X	50	T	0	100	0	3	60	70	SI&C	Si&C	20	5	1B	2B	X			
Peaceable Creek	17559	08/05/99	120	0.5	0.8	0.8	11	14	10	70	5	5	0	0	5	5	0	X	0	0	1	1	1	2	0	0	0	0	5	0	70	0	X	60	T	0	20	0	1.5	60	70	SI&C	Si&C	15	5	1B	1B	X			
Peaceable Creek	17559	08/05/99	140	0.7	0.6	0.3	11	15	30	65	0	0	0	0	5	0	0	X	0	0	0.5	0.5	0.5	1	0	0	0	0	5	0	70	0	X	50	T	0	50	0	2	60	70	SI&C	Si&C	15	5	1B	1B	X			
Peaceable Creek	17559	08/05/99	160	1	0.4	0.3	13	14	20	75	0	0	0	0	5	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	0	50	0	X	50	M	0	0	0	0	75	60	SI&C	Si&C	10	10	1B	1B	X			
Peaceable Creek	17559	08/05/99	180	0.7	0.5	0.4	9	14	10	60	0	0	0	0	10	20	0	X	0	0	0	0.5	1	0	0	0	0	0	0	0	30	X	X	50	M	25	20	1.2	1	80	50	HPC	Si&C	10	20	1B	1B	X			
Peaceable Creek	17559	08/05/99	200	0.3	0.4	0.3	10	15	10	40	50	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	5	0	30	X	X	30	T	80	0	1.3	0	80	45	SI&C	Si&C	10	30	1B	1B	X			
Peaceable Creek	17559	08/05/99	220	0.3	0.3	0.2	16	16	25	75	0	0	0	0	0	0	X	0	0	0	0	0.5	0.5	0	0	0	0	0	0	0	75	X	X	25	T	100	0	1.5	0	85	80	SI&C	Si&C	20	40	1B	1B	X			
Peaceable Creek	17559	08/05/99	240	0.1	0.1	0.1	3	16	10	40	50	0	0	0	0	0	0	0	X	0	0	0.5	0.5	0	0	0	0	0	15	80	50	X	X	40	M	80	0	1.2	0	90	85	SI&C	Si&C	30	40	1B	1B	X			
Peaceable Creek	17559	08/05/99	260	0.2	0.3	0.2	4	15	10	55	20	5	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	5	90	10	X	X	75	M	0	0	0	0	40	50	SI&C	BLD	20	40	1B	1B	X			
Peaceable Creek	17559	08/05/99	280	0.5	0.4	0.3	5	15	25	30	30	15	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	5	90	10	X	X	75	M	10	0	1	0	50	40	SI&C	BLD	10	50	1B	1B	X			
Peaceable Creek	17559	08/05/99	300	0.6	0.7	0.3	6	11	2	8	5	0	0	0	0	85	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	5	0	25	0	0	40	T	10	20	1	1	50	50	SI&C	Si&C	10	50	1B	1B	X			
Peaceable Creek	17559	08/05/99	320	0.5	0.3	0.2	10	11	20	65	10	5	0	0	0	0	0	X	0	0	0.5	0.5	0	0	0	0	0	0	2	0	20	0	0	25	T	20	80	1	1	75	75	SI&C	Si&C	20	20	1B	1B	X			
Peaceable Creek	17559	08/05/99	340	0.5	0.9	0.5	11	13	5	10	2	2	0	0	0	80	0	X	0	0	0.5	1	1	0.5	0	0	0	0	0	0	25	0	X	25	T	0	80	0	2	70	80	SI&C	Si&C	20	20	1B	1B	X			
Peaceable Creek	17559	08/05/99	360	0.5	0.6	0.4	18	19	10	70	8	2	0	0	0	10	0	X	0	0	0	0	1	0	0	0	0	0	0	0	10	0	X	25	T	0	80	0	2	70	80	SI&C	HPC	15	10	1B	2B	X			
Peaceable Creek	17559	08/05/99	380	0.6	0.6	0.5	15	17	20	55	10	0	0	0	10	5	0	X	0	0	0	2	1	0	0	0	0	0	5	0	15	X	X	25	G	0	80	0	2.5	60	80	SI&C	Si&C	10	15	1B	1B	X			
Peaceable Creek	17559	08/05/99	400	0.6	0.8	0.4	12	16	10	20	10	0	0	0	0	60	0	X	0	0	0.5	0.5	0	0.5	0	0	0	0	2	0	25	X	X	25	G	20	50	1	1.8	60	80	SI&C	Si&C	10	10	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Glasses Creek	16045	06/08/99	20	0.1	0	0.1	5.5	7	5	15	40	0	0	40	0	0	0	X	0	0	0.5	0	0.5	0	0	0	0	0.5	10	0	10	X	X	90	S	0	0	0	0	50	60	SND	BRK	15	2	1A	2A		0	0	
Glasses Creek	16045	06/08/99	40	0.1	0.2	0.1	7	12	5	10	0	0	0	85	0	0	X	X	0	0	0	0	0	0	0.75	0	0	0.5	15	0	25	X	X	80	M	0	15	0	2.5	70	80	SND	SND	10	0	2A			0	0	
Glasses Creek	16045	06/08/99	60	0.1	0.1	0.2	8	12	10	15	55	5	0	15	0	0	0	X	0	0	0	0	0	0	1.5	0	0	0.75	25	0	50	X	X	80	M	0	25	0	2.5	70	85	SI&C	SND	20	5	2A	2A		0	0	
Glasses Creek	16045	06/08/99	80	0.8	0.8	0.7	8	12	10	85	0	0	0	0	5	0	0	X	0	0	0	1.5	1	0	2	0	0	0.5	7	0	55	X	X	65	M	65	0	2.5	0	85	80	SI&C	SND	20	10	2A	1B		0	0	
Glasses Creek	16045	06/08/99	100	0.1	0.2	0.3	7	12	5	35	0	0	0	60	0	0	0	X	0	0	0	0.75	0.5	0	1	0	0	0.5	12	0	45	0	X	70	M	50	0	2	0	80	75	SI&C	SND	25	15	2A	2B		0	0	
Glasses Creek	16045	06/08/99	120	0.1	0.1	0.2	8.5	12	15	35	0	5	0	40	5	0	0	X	0	0	0	0.5	0.25	0	0.75	0	0.25	0.5	9	0	35	X	X	70	M	50	0	2	0	80	80	SI&C	SND	15	20	2A	1B		0	0	
Glasses Creek	16045	06/08/99	140	0.1	0.1	0.1	6	14	5	10	50	35	0	0	0	0	X	0	0	0	0	0	0	0	0.5	0	0.75	0.5	50	5	40	X	X	65	M	20	50	2	2.5	85	70	SI&C	SND	20	15	1A	1A		0	0	
Glasses Creek	16045	06/08/99	160	0.1	0.1	0.1	7.5	14	5	0	60	30	0	0	5	0	X	0	X	0	0	0	0.5	0	0.5	0	0.75	0	60	10	80	X	X	50	M	50	75	2.5	2.5	80	85	SI&C	Si&C	3	10	1A	1A		0	0	
Glasses Creek	16045	06/08/99	180	0.1	0.3	0.2	4	15	5	10	40	30	10	0	5	0	0	X	0	0	0	0.5	0	0.5	0	0	0.5	0.5	40	0	25	X	X	75	M	15	15	2	2.5	65	85	SI&C	Si&C	3	2	1A	1A		0	0	
Glasses Creek	16045	06/08/99	200	0.1	0.1	0.1	4	15	5	15	30	50	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0.75	0.75	55	5	5	X	X	70	M	0	75	0	2.5	60	80	SI&C	SND	10	0	1A			0	0	
Glasses Creek	16045	06/08/99	220	0.1	0.1	0.1	8	15	5	5	50	30	5	0	5	0	0	X	0	0	0.25	0	0.5	0	0	0	1	1	50	0	10	X	X	65	M	10	20	1.5	2.5	75	70	SI&C	SND	0	25	1C	1C		30	0	2
Glasses Creek	16045	06/08/99	240	0.9	1	0.8	8	14	0	10	60	25	0	0	5	0	0	X	0	0	0.5	0	0	0.5	0	0	0.5	1	20	0	5	X	X	60	M	15	25	1.5	2	85	60	GRV	SND	0	50		1C		5	0	1
Glasses Creek	16045	06/08/99	260	1	1.1	0.5	7	14	0	15	25	10	0	0	0	50	0	X	0	0	0	0	0	0	1.5	0	0	0	15	0	5	X	X	40	M	100	25	3.5	1.5	90	70	HPC	SND	0	0				0	0	
Glasses Creek	16045	06/08/99	280	0.1	0.1	0.1	3	15	5	5	65	20	0	0	5	0	X	X	0	0	0	2	1.5	0	1.5	0	0.75	0.5	25	0	25	X	X	40	M	90	0	3	0	90	60	HPC	CBL	0	0				0	0	
Glasses Creek	16045	06/08/99	300	0.2	0.1	0.2	9	18	0	5	0	0	0	90	5	0	0	X	0	0	0.5	0.5	0	0.25	1	0	0	0.75	7.5	0	5	X	X	50	M	80	0	1.5	0	80	50	HPC	CBL	0	30		1C		0	0	
Glasses Creek	16045	06/08/99	320	0.1	0.2	0.3	5	10	0	15	30	40	0	15	0	0	0	X	0	0	0	0	0.5	0	0.5	0	0	1	30	0	5	X	X	75	M	20	0	1	0	50	80	SND	BRK	0	0				0	0	
Glasses Creek	16045	06/08/99	340	0.4	0.6	0.5	8	12	0	10	0	10	0	80	0	0	0	X	0	0	0	0	0	0	1.5	0	0.5	0	7	0	10	X	X	80	M	15	0	1	0	70	85	SND	BRK	0	0				0	0	
Glasses Creek	16045	06/08/99	360	0.4	0.8	0.8	13	15	5	10	45	20	0	15	5	0	0	X	0	0	0	0	0	0	2.5	0	0	1.5	12	0	10	0	X	100	G	0	0	0	0	75	80	SND	BRK	0	0				0	0	
Glasses Creek	16045	06/08/99	380	0.1	0.1	0.2	9	14	0	30	0	0	0	65	5	0	0	X	0	0	0	0	1	0	1.5	0	0	1	65	0	20	X	X	75	M	50	0	1	0	60	85	SND	CBL	0	10		1B		0	0	
Glasses Creek	16045	06/08/99	400	0.3	0.3	0.1	7	13	5	10	40	40	5	0	0	0	X	X	0	0	0.5	0	1.5	1	1	0	0	1.5	50	5	10	X	X	90	M	0	0	0	0	40	75	BRK	CBL	0	30		1B		0	0	
Glasses Creek	16045	06/08/99	420	0.3	0.3	0.2	7	12	0	0	0	0	0	100	0	0	0	X	0	0	0.5	0	0.5	0.5	2	0	0	0.75	4	0	25	0	X	80	M	0	0	0	0	40	75	BRK	SND	0	25		1B		0	0	
Glasses Creek	16045	06/08/99	440	0.3	0.3	0.3	9	10	0	35	0	0	0	65	0	0	0	X	0	0	0	0	0	0	1.5	0	0.75	0	1.5	0	30	0	X	70	M	100	75	1	2	80	80	SI&C	SND	0	25		1B		0	0	
Glasses Creek	16045	06/08/99	460	0.3	0.3	0.3	10	11	0	35	0	0	0	65	0	0	0	X	0	0	0	0	0	0.75	2	0	0	0	6	0	35	0	X	75	M	100	70	1	2	90	80	SI&C	Si&C	3	20	1B	1B		0	0	
Glasses Creek	16045	06/08/99	480	0.1	0.3	0.1	3	10	0	0	0	0	0	100	0	0	X	X	0	0	0	0	1	0	2	0	0	0	3	0	25	0	X	80	M	75	75	2.5	1	90	60	SI&C	Si&C	3	50	1B	1B		0	0	
Oil Creek	16046	06/09/99	20	0.7	0.9	0.9	14	15	0	40	35	10	10	0	5	0	0	X	0	0	0.25	0.5	1	0	0	0	0	0	40	0	70	0	0	60	M	20	20	1.5	1.5	45	55	SLT	Si	5	7	1C	1C		20	10	1
Oil Creek	16046	06/09/99	40	0.7	0.8	0.5	15	16	5	50	30	15	0	0	5	0	0	X	0	0	0.25	0.5	0.25	0.25	0	0	0	0	35	0	85	0	0	65	M	50	10	1.5	0.5	70	75	SLT	Si	5	3	1B	1B	X			
Oil Creek	16046	06/09/99	60	0.8	0.6	0.5	17	17.5	5	30	55	0	5	0	5	0	0	X	0	0	0.25	0.25	0.5	0.25	0	4	0	0.25	45	0	65	0	0	65	M	100	15	1	0.5	80	65	SLT	Si	2	4	1B	1B		5	1	1
Oil Creek	16046	06/09/99	80	0.1	0.1	0.1	14	19	0	10	40	35	10	0	5	0	X	0	0	0	0.25	0.25	1	0.25	0	5	2	0.25	50	3	50	X	X	70	M	20	40	0.5	1	65	60	SND	GVL	2	5	1C	1B	X			
Oil Creek	16046	06/09/99	100	0.1	0.2	0.1	9	21	0	0	40	40	15	0	10	0	X	0	0	0	0	0	0	0	0	0	25	0.25	95	0	20	0	0	65	G	20	3	0.5	1	45	40	SND	GVL	7	2	2C	1B		15	2	1
Oil Creek	16046	06/09/99	120	0.1	0.1	0.1	17	30	0	5	20	60	10	0	5	0	0	X	0	0	0	0	0.25	0.25	0	0	40	0	85	0	35	X	X	70	M	5	80	0.5	1.5	45	35	GRV	GVL	5	5	1B	1B		5		1
Oil Creek	16046	06/09/99	140	0.3	0.4	0.5	15	16	5	10	15	50	15	0	5	0	0	X	0	0	0	0.5	0	0	0	0	0	3	70	0	40	0	0	50	T	20	70	0.5	1	40	35	GRV	SND	2	5	2C	1C		30	3	1
Oil Creek	16046	06/09/99	160	0.5	1.3	0.5	17	18	0	10	25	40	20	0	5	0	0	X	0	0	0.25	0.5	0.25	0.25	0	2	0.25	0.25	65	0	45	0	0	75	M	0	5	0	0.5	65	70	SLT	SND	2	5	2B	2B		5	1	1
Oil Creek	16046	06/09/99	180	0.4	1	0.7	18	20	30	20	10	15	20	0	5	0	0	X	0	0	0.25	0.25	0	0.25	2	20	5	0.5	60	0	35	0	0	80	M	10	0	0.5	0	65	75	SLT	SND	10	5	1B	2B	X			
Oil Creek	16046	06/09/99	200	0.7	0.6	0.4	19	20	40	15	10	20	5	0	10	0	0	X	0	0	0.5	0.25	0.25	0.25	0	20	0	0.5	35	0	30	0	0	80	M	50	5	1	0.5	75	60	SND	SND	5	2	1B	2B		5	0	1
Oil Creek	16046	06/09/99	220	0.3	0	0.7	16	17	0	20	40	30	0	0	10	0	0	X	0	0	0.5	1	0.25	0.25	0	4	0	0.5	40	0	55	X	X	70	T	5	70	0.5	1.5	75	90	SND	SND	5	2	1B	1B	X			
Oil Creek	16046	06/09/99	240	0.4	1.2	1	14	20	15	35	30	10	0	0	10	0	0	X	0	0	0.5	2.5	1	0.25	0	0	0	0.5	25	0	40	0	0	65	G	0	100	0	2	45	75	SND	SND	2	4	2B	2B		2		1
Oil Creek	16046	06/09/99	260	0.7	2	1.5	16	17	25	20	15	10	10	0	20	0	0	X	0	0	0	0.5	0.25	0	0	20	0	0	35	0	10	0	0	60	G	0	100	0	2	40	85	SND	SND	10	0	2B	2B	X			
Oil Creek	16046	06/09/99	280	0.7	1.5	1	19	20	30	10	20	0	0	0	10	0	0	X	0	0	0.5	0	0	0.5	0	25	0	1	55	0	5	0	0	70	M	0	100	0	1.5	50	85	SND	SND	15	0	1B	2B	X			
Oil Creek	16046	06/09/99	300	0.6	0.9	0.6	16	17	10	20	45	15	5	0	0	0	0	X	0	0	0	0	0	0	0	25	0	0.5	65	0	3	0	0	60	G	0	100	0	2	75	85	SND	SND	20	0	1B	2B	X			
Oil Creek	16046	06/09/99	320	0.3	0.7	0.7	17	18	0	10	50	30	5	0	5	0	0	X	0	0	0.5	0	0.25	0.25	0	2	0	0.25	60	0	15	0	0	70	G	2	85	0.25	1.5	45	75	SND	SND	10	5	2B	2B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Oil Creek	16046	06/09/99	340	0.7	1	0.7	19	20	35	10	35	10	0	0	10	0	0	X	0	0	0	0.5	0.25	0	0	5	0	0.5	45	0	12	0	0	75	T	0	50	0	1.5	45	70	SND	SND	5	30	2B	1B	X			
Oil Creek	16046	06/09/99	360	0.3	0.4	0.7	20	25	30	20	40	10	0	0	0	0	0	X	0	0	0	0	0	0.25	0	0	0	0.25	30	0	12	X	X	60	T	15	70	0.5	1	65	50	SND	SND	2	30	2B	1C		35	4	1
Oil Creek	16046	06/09/99	380	0.2	0	0.2	10	20	5	30	40	20	0	0	5	0	0	X	0	0	0.25	0	0.5	0.25	0	2	0	5	45	0	35	0	X	75	G	50	10	1	0.75	70	45	SND	SND	2	20	2B	1C		10	2	1
Oil Creek	16046	06/09/99	400	0.7	0.4	0.3	15	25	10	30	45	10	0	0	5	0	X	X	0	0	0.25	0.25	0.5	0.25	0	5	0	0.25	50	0	25	X	X	75	G	65	5	1.5	0.5	65	55	SND	SND	0	25	2B	1B		50	3	1
Sand Branch Creek	17537	06/29/99	20	0.1	0.1	0.1	3	15	0	35	65	0	0	0	0	0	0	X	0	0	0.75	0	0.5	0	0	0	0	0.5	1.5	0	15	X	X	65	M	100	30	3	0.5	85	70	HPC	SND	50	50	1B	1B		0	0	
Sand Branch Creek	17537	06/29/99	40	0.1	0.1	0.1	2	20	0	30	60	0	0	0	0	10	X	X	0	0	0.5	0	0	0	0	0	0	0.75	7	35	15	X	X	75	M	75	0	3	0	70	75	SND	SND	50	50	1B	1B		0	0	
Sand Branch Creek	17537	06/29/99	60	0.1	0.2	0.3	3.5	15	0	60	30	0	0	0	0	10	0	0	X	0	0.75	0	0.5	0	0	0	0	0.5	6	0	35	X	X	75	M	65	15	3	2	80	70	SND	SND	50	50	1B	1B		0	0	
Sand Branch Creek	17537	06/29/99	80	0.1	0.1	0.1	0.5	14	0	30	60	0	0	0	0	10	X	X	0	0	0.75	0	0	0	0	0	0	0.75	7	35	10	X	X	60	M	80	50	3	3	75	70	SND	HPC	50	50	1B	2B		0	0	
Sand Branch Creek	17537	06/29/99	100	0.1	0.2	0.2	3	15	0	40	35	0	0	0	0	25	0	X	0	0	0	0	0	0	1	0	0	0.5	0	5	3	X	X	65	M	0	100	0	4	70	80	SND	HPC	50	50	1B	2B		0	0	
Sand Branch Creek	17537	06/29/99	120	0.2	0.3	0.2	3.5	15	20	30	50	0	0	0	0	0	0	X	0	0	0	0	0	0	0.5	0	0	1	0	6	0	X	X	60	M	0	100	0	4	75	80	SND	HPC	50	50	1B	2B		0	0	
Sand Branch Creek	17537	06/29/99	140	0.1	0.1	0.1	4	17	0	45	55	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0.5	0	0	0.5	7	0	10	X	X	75	M	0	60	0	3	70	75	SND	HPC	50	50	1B	2B		0	1	1
Sand Branch Creek	17537	06/29/99	160	0.1	0.1	0.1	3.5	22	25	35	40	0	0	0	0	0	X	X	0	0	0	0	0.5	0	0	0	0	0.75	5	0	30	X	X	80	M	10	0	2	0	75	60	SND	HPC	50	50	1B	2B		0	0	
Sand Branch Creek	17537	06/29/99	180	0.1	0	0.1	5	22	0	70	30	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0.5	0	0	1.5	3	0	30	X	X	75	M	30	0	2	0	80	60	SND	SND	50	50	1B	2B		0	0	1
Sand Branch Creek	17537	06/29/99	200	0.1	0.1	0.1	4	10	0	45	40	0	0	0	0	15	0	0	0	0	0	0	0.5	0	0	0	0	0.5	1	0	35	X	X	60	M	85	0	4	0	80	85	HPC	SND	50	50	1B	2B		0	0	
Sand Branch Creek	17537	06/29/99	220	0.2	0.3	0.2	3	24	0	50	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0.75	0	0	0.5	0	0	20	X	X	60	M	100	0	4	0	85	65	HPC	SND	50	50	2B	1B		0	0	
Sand Branch Creek	17537	06/29/99	240	0.1	0.1	0.1	5	20	0	75	25	0	0	0	0	0	0	X	0	0	0	1	1.5	0	0.5	0	0	0	1	0	15	X	X	55	M	90	0	4	0	80	65	HPC	SND	50	50	1B	1B		15	0	2
Sand Branch Creek	17537	06/29/99	260	0.2	0.3	0.3	4	18	20	75	0	0	0	5	0	0	0	X	X	0	1	0.5	0	0	0	0	0	1	0	0	35	X	X	65	M	60	30	3.5	2.5	70	80	HPC	HPC	50	50	1B	1B		0	0	1
Sand Branch Creek	17537	06/29/99	280	0.2	0.2	0.5	5	14	100	0	0	0	0	0	0	0	0	X	0	0	2	0	1	0	0	0	0	1.5	0	0	20	X	X	70	M	70	40	2	2	70	75	SND	SND	50	50	1B	1B		0	1	
Sand Branch Creek	17537	06/29/99	300	0.1	0.1	0.1	3.5	15	0	75	30	0	0	0	0	0	0	X	0	0	0	1	0.5	0	0.75	0	0	1	1.5	0	7	X	X	75	M	10	50	2	1	70	80	SND	SND	50	50	1C	1B		0	0	2
Sand Branch Creek	17537	06/29/99	320	0.1	0	0.1	5	15	0	65	20	0	0	0	5	10	0	X	0	0	0	1	1.5	1.5	0	0	0	0.5	3	0	30	X	X	75	M	40	40	1.5	1.5	60	70	SND	SND	50	50	1C	1B		0	0	
Sand Branch Creek	17537	06/29/99	340	0.1	0.1	0.1	6	15	0	75	25	0	0	0	0	5	0	X	0	0	0	1	0.75	0	0	0	0	0	0	0	40	X	X	65	M	80	0	4	0	80	70	HPC	SND	50	50	1C	1B		0	0	
Sand Branch Creek	17537	06/29/99	360	0.1	0.1	0.1	8	18	25	75	0	0	0	0	0	0	0	X	0	0	0	0.5	0	0	0	0	0	0.5	0	0	70	X	X	70	M	80	0	4	0	80	70	HPC	SND	50	50	1C	1B		0	0	
Sand Branch Creek	17537	06/29/99	380	0.1	0.1	0.1	5	16	15	45	40	0	0	0	0	0	X	X	0	0	0	0	0.5	0	0	0	0	0.75	2	40	25	X	X	70	M	40	10	2	1	75	70	HPC	SND	50	50	2B	1B		0	0	
Sand Branch Creek	17537	06/29/99	400	0.1	0.1	0.2	4	17	0	45	55	0	0	0	0	0	0	X	0	0	1	0.75	0.5	0	0	0	0	2	0	4	10	X	X	75	M	30	0	4	0	70	75	HPC	SND	50	50	2B	1B		30	0	
Chigley Sandy Creek	17570	06/29/99	20	0.1	0.1	0.3	8	16	0	95	0	0	5	0	0	0	0	0	X	0	1.5	0.75	0	1.5	0	0	0	0.75	1	0	60	X	X	80	M	0	70	0	3.5	45	85	SND	HPC	0	0			X			
Chigley Sandy Creek	17570	06/29/99	40	0.1	0.1	0.3	7	16	0	85	10	0	0	0	5	0	0	0	X	0	0.75	1.5	1	0	0	0	0	4	0	0	20	0	X	90	M	0	0	0	0	70	80	SND	HPC	0	10		1B	X			
Chigley Sandy Creek	17570	06/29/99	60	0.1	0.1	0.3	9	16	0	90	10	0	0	0	0	0	0	0	X	0	1	0.5	0.5	0.5	0	0	0	2	0	0	50	0	X	70	M	0	10	0	0.5	75	80	SND	HPC	50	10	1A	1B	X			
Chigley Sandy Creek	17570	06/29/99	80	0.2	0.1	0.1	8	11	0	80	15	0	0	0	0	5	0	0	X	0	0	5	0.75	0	0	0	0	0.75	1	0	75	X	X	55	M	0	100	0	3.5	70	85	SND	HPC	50	0	1A		X			
Chigley Sandy Creek	17570	06/29/99	100	0.2	0.3	0.5	6	11	0	90	5	0	0	5	0	0	0	X	X	0	3	3	0	2	0	0	0	0	1	0	90	X	X	50	M	0	100	0	3.5	45	85	SND	HPC	50	7	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	120	0.3	0.1	0.1	7	13	0	65	35	0	0	0	0	0	X	0	0	0	0.5	0	0.75	2	0	0	0	0	15	50	85	X	X	55	M	0	10	0	3.5	50	75	SND	HPC	50	15	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	140	0.1	0.2	0.3	10	10	0	85	15	0	0	0	0	0	X	0	X	0	0.5	0.5	2	0.75	0	0	0	0.5	0	0	80	X	X	60	M	0	75	0	3	60	80	SND	HPC	50	20	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	160	0.1	0.1	0.2	12	17	0	60	35	0	0	0	5	0	X	0	0	0	0	0	3	1	0	0	0	0.5	12	40	75	X	X	55	M	0	75	0	3	70	85	SND	HPC	50	40	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	180	0.1	0.2	0.1	9	18	0	75	25	0	0	0	0	0	X	0	0	0	0	1.5	1	0	0	0	0	0.5	8	40	25	X	X	60	M	0	60	0	3.5	60	85	SND	HPC	50	50	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	200	0.3	0.1	0.1	10	18	0	65	30	0	0	0	5	0	X	0	0	0	0	2	1.5	1.5	0	0	0	0.5	10	40	40	X	X	65	M	40	40	1.5	2	75	70	SI&C	SND	50	50	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	220	0.2	0.2	0.1	7	19	0	75	25	0	0	0	0	0	0	0	X	0	0.75	0.5	1	0	0	0	0	1	7	0	70	X	X	80	M	0	0	0	0	100	45	SI&C	SND	50	50	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	240	0.2	0.2	0.2	6	19	0	90	10	0	0	0	0	0	0	0	X	0	0	0	1	0	0	0	0	1.5	0	0	60	X	X	85	M	0	0	0	0	100	40	SI&C	SND	50	50	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	260	0.3	0.2	0.1	6	19	0	80	5	0	0	0	15	0	0	0	X	0	0.5	1	0	0	0	0	0	1	1.5	0	80	X	X	85	M	0	0	0	0	90	45	SI&C	SND	50	50	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	280	0.1	0.1	0.3	10	19	0	85	10	0	0	0	5	0	0	0	X	0	2	0	0.5	0	0	0	0	4	12	0	35	X	X	90	M	0	15	0	1.5	80	70	SI&C	SND	50	50	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	300	0.1	0.1	0.2	11	18	0	80	20	0	0	0	0	0	0	0	X	0	0	3	1	1	0	0	0	0.75	8	0	40	X	X	70	M	0	80	0	3	35	80	SND	HPC	50	50	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	320	0.2	0.5	0.7	8	17	0	70	0	0	0	0	10	20	0	X	X	0	0.75	2.5	1	1.5	0	0	0	0	3	0	45	X	X	65	M	0	85	0	3	40	85	SND	HPC	50	12	1A	1A	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Chigley Sandy Creek	17570	06/29/99	340	0.1	0.1	0.1	11	17	0	55	40	0	0	0	5	0	0	X	0	0	0	0	0.75	0.5	0	0	0	0.5	7	0	35	X	X	35	M	0	50	0	2	50	80	SI&C	BRK	50	7	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	360	0.4	0.4	0.3	5	15	0	50	50	0	0	0	0	0	0	0	X	0	1.5	0.5	0.75	1	0	0	0	1.58	10	0	45	X	X	95	M	0	0	0	0	90	70	SI&C	BRK	50	10	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	380	0.1	0.1	0.2	9	15	0	65	30	0	0	0	5	0	0	X	X	0	0	4	1	2.5	0	0	0	1	15	0	35	X	X	75	M	5	60	1.5	3	85	75	SI&C	Si&C	50	10	1A	1A	X			
Chigley Sandy Creek	17570	06/29/99	400	0.2	0.1	0.1	17	17	0	55	40	0	0	0	5	0	0	0	X	0	0	1.5	2.5	0	0	0	0	1	15	0	40	X	X	70	M	0	70	0	3	70	85	SND	Si&C	50	7	1A	1A	X			
Dumpling Creek	11907	09/29/98	20	0.3	0.4	0.3	6	8	5	0	10	65	20	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	70	0	70	0	0	85	M	0	0	0	0	75	70	SND	SND	30	30			X			
Dumpling Creek	11907	09/29/98	40	0.5	0.4	0.3	6	8	5	5	10	60	20	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	70	0	90	0	0	70	T	0	0	0	0	80	85	SND	SND	40	40			X			
Dumpling Creek	11907	09/29/98	60	0.1	0.2	0.1	5	8	0	5	20	75	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	65	0	75	0	0	85	M	0	0	0	0	85	45	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	80	0.1	0.1	0.1	3	8	0	0	5	45	50	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	75	5	60	0	0	90	M	0	0	0	0	55	45	BLD	SND	50	40			X			
Dumpling Creek	11907	09/29/98	100	0.1	0.1	0.1	2	8	0	0	5	55	40	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	55	0	0	95	M	0	0	0	0	50	50	BLD	SND	50	45			X			
Dumpling Creek	11907	09/29/98	120	0.1	0.1	0.1	4	8	0	0	5	45	50	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	95	5	40	0	0	95	M	0	0	0	0	45	45	BLD	SND	50	40			X			
Dumpling Creek	11907	09/29/98	140	0.2	0.2	0.1	4	7	0	0	10	50	30	0	10	0	0	0	X	0	0	0	0	0	0	0	0	0	80	20	30	0	0	95	M	0	0	0	0	60	55	SND/BLD	SND	40	40			X			
Dumpling Creek	11907	09/29/98	160	0.2	0.2	0.1	5	7	0	2	8	60	20	0	10	0	0	X	X	0	0	0	0	0	0	0	0	0	70	0	30	0	0	90	M	0	0	0	0	75	60	SND/BLD	SND	30	30			X			
Dumpling Creek	11907	09/29/98	180	0.2	0.3	0.2	5	8	0	3	12	60	20	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	65	0	10	0	0	95	M	0	0	0	0	80	70	SND/BLD	SND/BLD	20	20			X			
Dumpling Creek	11907	09/29/98	200	1.1	1.4	0.5	7	9	5	20	15	30	20	0	10	0	0	X	0	0	0	0	0	0	0	0	0	0	50	0	10	0	0	95	M	0	0	0	0	80	70	SND	SND/BLD	20	20			X			
Dumpling Creek	11907	09/29/98	220	1	0.8	0.2	12	12	5	40	10	20	20	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	40	0	40	0	0	75	M	25	25	1	1.5	85	80	SND	SND	50	50			X			
Dumpling Creek	11907	09/29/98	240	1	1.1	1	8	8	5	45	5	10	30	0	5	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	20	0	75	0	0	80	M	0	0	0	0	85	85	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	260	0.1	0.1	0.1	5	8	0	2	30	43	25	0	0	0	0	0	X	0	0.5	0.5	0.5	0.5	0	0	0	0	50	20	60	0	0	85	M	0	0	0	0	50	70	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	280	0.6	0.9	0.8	7	8	0	10	10	40	40	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	50	0	90	0	0	90	M	0	0	0	0	85	85	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	300	1	1.5	1	8	8	5	5	15	40	25	0	10	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	50	0	85	0	0	90	M	0	0	0	0	85	85	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	320	0.8	1.1	0.9	7	8	5	5	10	50	30	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	40	0	85	0	0	95	M	0	0	0	0	85	80	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	340	0.9	1.4	0.8	8	8	5	5	15	40	35	0	0	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	40	0	85	0	0	95	M	0	0	0	0	80	75	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	360	1	1.5	0.9	8	8	5	5	10	45	35	0	0	0	0	X	0	0	0.5	1	1	0.5	0	0	0	0	40	0	90	0	0	95	M	0	0	0	0	80	70	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	380	0.8	1	0.7	8	9	5	5	10	40	30	0	10	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	30	0	90	0	0	90	M	0	0	0	0	80	80	SND	SND	50	40			X			
Dumpling Creek	11907	09/29/98	400	0.7	1.1	1	8	9	5	5	10	50	30	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	40	0	90	0	0	95	M	0	0	0	0	75	70	SND	SND	50	40			X			
Tenmile Creek	12070	09/29/98	20	0.2	0.4	0.3	6	11	5	15	5	0	0	0	0	75	0	0	X	0	0	0.5	0	0	0	0	0	0	20	0	20	0	0	25	G	0	0	0	0	70	50	SND	SND	5	10	2B	2B	X			
Tenmile Creek	12070	09/29/98	40	0.4	0.4	0.3	6	9	15	30	0	0	0	0	5	50	0	X	0	0	0	0	0	0	0	0	0.5	0	0	0	75	0	0	60	T	0	50	0	2.2	85	80	SND	SND	10	50	2B	2B	X			
Tenmile Creek	12070	09/29/98	60	0.2	0.3	0.2	6	10	40	5	0	0	0	0	5	50	0	X	0	0	0	0	0	0	0	0	0.5	0	0	0	50	0	0	40	T	0	75	0	3	75	80	SND	SND	5	50	2C	2B				2
Tenmile Creek	12070	09/29/98	80	0.8	1	0.8	6	10	60	40	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	0	0	10	0	0	60	G	0	0	0	0	50	60	SND	SND	5	5	2C	2C				1
Tenmile Creek	12070	09/29/98	100	0.6	1.2	0.6	8	11	20	50	0	0	0	0	30	0	0	X	0	0	0.5	1	1	0.5	0	0	0	0	0	0	30	0	0	80	M	0	0	0	0	70	70	SND	SND	5	5	2C	2C	X			
Tenmile Creek	12070	09/29/98	120	0.8	1.3	0.7	7	12	5	90	0	0	0	0	5	0	0	X	0	0	0.5	1	1	0.5	0	0	0	0	0	0	40	0	0	60	M	0	0	0	0	60	55	SND	SND	5	5	2C	2C		50		2
Tenmile Creek	12070	09/29/98	140	0.8	1.2	1.3	10	13	5	75	0	0	0	0	20	0	0	X	0	0	0.5	2	2	0.5	0	0	0	0	0	0	30	0	0	60	M	0	0	0	0	70	50	SND	SND	5	5	2C	2C		30		2
Tenmile Creek	12070	09/29/98	160	0.9	1.3	0.8	7	9	10	80	0	0	0	0	10	0	0	X	0	0	0.5	1	1	0.5	0	0	0	0	0	0	80	0	0	60	M	0	0	0	0	80	65	SND	SND	5	5	2C	2C		20		2
Tenmile Creek	12070	09/29/98	180	0.2	0.3	0.3	7	10	5	20	5	60	10	0	0	0	0	X	0	0	0.5	1	2	0.5	0	0	0	0	0	0	85	0	0	60	T	0	0	0	0	70	60	SND	SND	5	5	2C	2C		20		3
Tenmile Creek	12070	09/29/98	200	0.3	0.4	0.3	12	12	5	50	15	25	0	0	5	0	0	X	0	0	0	1	1	0.5	0	0	0	0	0	0	90	0	0	50	T	0	0	0	0	80	70	SND	SND	5	5	2C	2C				2
Tenmile Creek	12070	09/29/98	220	0.2	0.2	0.2	7	12	5	65	10	15	0	0	5	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	0	90	25	0	0	50	T	0	0	0	0	35	65	SND	SND	5	5	2C	2C		70	10	4
Tenmile Creek	12070	09/29/98	240	0.5	0.9	0.4	10	13	10	40	10	0	0	0	5	35	0	X	0	0	0.5	0.5	1	0.5	0	0	0	0	0	0	20	0	0	50	T	0	0	0	0	40	45	SND	SND	5	5	2C	2C		20		2
Tenmile Creek	12070	09/29/98	260	0.3	1.3	1.1	8	12	50	40	0	0	0	0	10	0	0	X	0	0	0	2	3	0	0	0	0	0	0	0	30	0	0	30	T	0	75	0	1.5	35	80	SND	SND	5	5	2C	2C		40	2	5
Tenmile Creek	12070	09/29/98	280	0.6	0.8	0.7	10	11	30	40	0	0	0	0	30	0	0	X	0	0	0.5	5	5	0.5	0	0	0	0	0	0	40	0	0	50	T	0	0	0	0	70	85	SND	SND	5	5	2C	2C				1
Tenmile Creek	12070	09/29/98	300	0.5	0.9	0.6	8	10	40	30	0	0	0	0	30	0	0	X	0	0	0.5	1	2	0.5	0	0	0	0	0	0	5	0	0	60	M	0	0	0	0	65	80	SND	SND	5	5	2C	2C				3
Tenmile Creek	12070	09/29/98	320	0.5	0.5	0.5	8	10	5	60	0	0	0	0	5	30	0	X	0	0	0	0.5	1	0	0	0	0	0	0	0	10	0	0	70	M	0	0	0	0	70	65	SND	SND	5	5	2C	2C				4

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Tenmile Creek	12070	09/29/98	340	0.6	0.7	0.6	12	12	10	45	10	10	0	0	0	25	0	X	0	0	0	0	0.5	0	0	0	0	0	1	0	10	0	0	70	M	0	0	0	0	75	75	SND	SND	5	5	2C	2C		20		2
Tenmile Creek	12070	09/29/98	360	0.6	0.5	0.7	11	11	55	5	15	10	0	0	15	0	0	X	0	0	0	1	5	0	0	0	0	0	1	0	10	0	0	50	M	0	0	0	0	75	85	SND	SND	5	5	2C	2C				1
Tenmile Creek	12070	09/29/98	380	0.1	0.1	0.1	6	12	5	5	5	5	0	80	0	0	0	0	X	0	0.5	0.5	0.5	0.5	0	0	0	0	1	90	25	0	0	70	M	0	0	0	0	85	80	SND	SND	5	5	2C	2C	X			
Tenmile Creek	12070	09/29/98	400	0.3	0.4	0.2	8	12	15	15	45	25	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	5	90	30	0	0	60	M	0	0	0	0	80	80	SND	SND	5	5	2C	2C				3
Eastman Creek	16047	06/08/99	20	0.1	0.3	0.2	2	15	0	75	15	0	0	0	10	0	X	X	0	0	0	0	0	0.25	0	0	0.5	0.25	10	5	20	X	X	80	S	0	0	0	0	35	45	SND	SND	0	0	2B	2B	X			
Eastman Creek	16047	06/08/99	40	0.3	0.1	0.1	12	18	5	80	10	0	0	0	5	0	0	X	0	0	0.25	0	0.25	0.5	0	0	2	0	4	0	15	X	X	85	S	0	0	0	0	35	65	SND	SND	10	10	1B	1B	X			
Eastman Creek	16047	06/08/99	60	0.2	0.2	0.3	3.5	17	5	75	15	0	0	0	5	0	0	X	0	0	0.5	1.5	3	0	0	0	0.5	0.25	3	0	20	X	0	85	S	0	0	0	0	35	70	SND	SND	50	10	1A	1A	X			
Eastman Creek	16047	06/08/99	80	0.1	0.2	0.2	3.5	12	0	75	20	0	0	0	5	0	0	X	0	0	0	0.5	0.25	0	0	0	1	0.25	15	0	12	X	X	90	S	0	5	0	0.5	30	40	SND	SND	50	40	1A	1A	X			
Eastman Creek	16047	06/08/99	100	0.3	0.1	0.1	2.5	12	0	80	0	0	0	0	10	10	0	0	X	0	1	1	2	0.25	0.5	0	0	1	2	0	15	X	X	90	M	0	0	0	0	50	35	CLY	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	120	0.2	0.1	0.1	3	17	0	70	20	0	0	0	5	5	0	0	X	0	0.5	0.75	1	0.25	0	0	2	0	25	0	12	X	X	85	M	2	3	0.25	0.75	60	35	SND	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	140	0.2	0	0.1	2	12	0	65	30	0	0	0	5	0	0	0	X	0	0.5	0.5	1	0.5	0	0	0	0.25	30	0	50	X	X	90	M	0	5	0	0.25	40	35	SND	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	160	0.1	0.3	0.2	5	15	10	70	15	0	0	0	5	0	0	X	X	0	0.25	1.5	1	0.25	0	0	0.25	0	35	0	55	X	0	80	M	0	10	0	0.5	25	30	SND	SND	35	50	1B	1A	X			
Eastman Creek	16047	06/08/99	180	0.1	0.1	0.2	3.5	20	0	70	25	0	0	0	5	0	0	X	0	0	0	4	2	0.25	0	0	0.25	0.25	45	0	5	X	X	80	M	20	0	1.5	0	35	45	SND	SND	45	50	1A	1A	X			
Eastman Creek	16047	06/08/99	200	0.1	0.1	0.1	6	15	0	80	15	0	0	0	5	0	0	X	X	0	0	0	0.5	0	0.25	0	0	0	10	0	20	X	X	85	M	10	0	1	0	35	40	HPC	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	220	0.1	0.1	0.1	5	17	0	75	20	0	0	0	5	0	0	X	0	0	0	0.25	0.5	0	0	0	0	0.25	10	0	35	X	X	75	M	70	0	0.75	0	55	30	SND	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	240	0.2	0.1	0.1	4	20	0	30	60	0	0	0	5	5	X	0	X	0	0.25	0.25	1	0	0.25	0	0	0	15	0	75	X	X	80	M	30	0	0.5	0	70	25	SND	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	260	0.2	0.3	0.2	1.5	17	0	80	5	0	0	0	5	10	0	X	0	0	0	0.25	0.5	0	0.25	0	0.5	0	10	0	65	X	0	85	M	2	0	0.25	0	60	20	HPC	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	280	0.1	0.2	0.2	5.5	15	0	90	10	0	0	0	0	0	0	X	0	0	0.25	0	0.5	0	0	0	0	0.25	35	0	35	X	X	85	M	0	1	0	0.5	35	30	SND	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	300	0.1	0.1	0.1	3	15	0	40	60	0	0	0	0	0	0	0	X	0	0	0.25	0.75	0	0	0	0	0.25	40	0	65	X	X	80	M	10	20	0.5	1	35	40	SND	SND	50	50	1B	1A	X			
Eastman Creek	16047	06/08/99	320	0.3	0.2	0.1	7	17	0	75	0	20	0	0	3	2	0	X	0	0	0.25	0.5	0.75	0.25	0	0	0	0	30	0	75	X	X	85	M	10	2	0.25	0.5	45	45	CLY	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	340	0.2	0.1	0.1	7.5	20	0	80	15	0	0	0	5	0	0	X	0	0	0	0	0.25	0	0	0	0	0.25	5	0	85	X	0	85	M	5	15	0.25	1	75	30	CLY	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	360	0.2	0.1	0.1	4	16	0	85	10	0	0	0	5	0	0	X	0	0	0	0	0.25	0	0	0	0	0.25	3	0	65	X	X	90	M	10	5	0.75	1	70	20	SND	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	380	0.1	0.2	0.1	3.5	18	0	75	20	0	0	0	5	0	0	X	0	0	0	0.5	0	0	0	0	0	0.25	7	0	45	X	X	80	M	15	30	0.75	3	75	35	SND	SND	50	50	1A	1A	X			
Eastman Creek	16047	06/08/99	400	0.1	0.1	0.1	4	12	0	75	25	0	0	0	0	0	0	X	0	0	0	0	0.25	0	0	0	0	0	55	0	80	X	X	70	M	50	25	1	1.5	70	30	SND	SND	50	50	1A	1A	X			
Wewoka Creek	12134	09/01/98	20	0.4	0.5	0.2	7	17	45	10	10	25	5	0	5	0	0	X	0	0	0	0.75	0.5	0	0	0	0	0.25	25	0	0	X	X	70	M	15	0	1.5	0	70	55	HPC	HPC/BLD	0	0			X			
Wewoka Creek	12134	09/01/98	40	1.1	1.2	0.8	10	16	30	55	0	0	0	0	15	0	0	X	0	0	0	10	5	0	0	0	0	0	15	0	5	X	X	70	M	0	0	0	0	75	30	SND	SND	0	0			X			
Wewoka Creek	12134	09/01/98	60	0.7	0.2	0.2	5	18	20	50	10	10	0	0	10	0	0	X	0	0	0	5	4	0	0	0	0	0	5	0	5	X	X	75	M	0	0	0	0	70	65	SND	SND	5	10	1C	1C	X			
Wewoka Creek	12134	09/01/98	80	0.1	0.5	0.2	10	16	25	50	0	0	0	0	25	0	0	X	0	0	0	3	4	0	0	0	0	0	0	0	10	X	X	85	M	10	0	1.5	0	75	40	SND	SND	20	40	1C	1B	X			
Wewoka Creek	12134	09/01/98	100	0.1	0.2	0.1	5	14	30	65	5	0	0	0	0	0	0	X	0	0	0	0.5	0.2	0	0	0	0	0	0	0	5	X	X	85	M	15	5	1.5	0.5	70	60	SND	SND	20	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	120	0.2	0.3	0.4	4	14	35	60	5	0	0	0	0	0	0	X	0	0	0	1	0.5	0	0	0	0	0	0	0	5	X	X	90	M	0	0	0	0	55	65	SND	SND	20	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	140	0.2	0.3	0.2	5	16	30	60	0	0	0	0	10	0	0	X	0	0	0	1.5	0.5	0	0	0	0	0	0	0	15	X	X	75	M	100	10	2	0.5	70	60	HPC	HPC	20	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	160	0.2	0.1	0.1	6	12	30	60	5	0	0	0	5	0	0	X	0	0	0	0.25	1	0	0	0	0	0	0	0	10	X	X	65	M	100	20	2	1	75	65	HPC	HPC	20	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	180	0.1	0	0.1	4	16	40	20	30	10	0	0	0	0	0	0	X	0	0	0	0.5	0.5	0	0	0	0	10	0	5	X	X	70	M	50	0	1.5	0	70	50	HPC	HPC	20	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	200	0.1	0	0.1	6	18	10	80	0	0	5	0	5	0	0	0	X	0	0	0.25	0.5	0.25	0	0	0	0	5	0	5	X	X	75	M	0	20	0	1	75	60	HPC	SND	30	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	220	0.2	0.3	0.1	7	12	10	40	0	30	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	30	0	0	X	X	85	M	0	0	0	0	75	60	HPC	SND	30	50	1B	1B	X			
Wewoka Creek	12134	09/01/98	240	0.1	0.1	0.1	4	12	10	5	20	55	10	0	0	0	0	0	X	0	0	0.25	0.25	0	0	0	0	0	40	0	0	X	X	65	M	0	0	0	0	75	60	HPC	SND/BLD	30	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	260	0.3	0.2	0.1	6	10	10	85	0	0	0	0	5	0	0	X	0	0	0	0	0.25	0	0	0	0	0	30	0	10	X	X	70	M	50	0	2	0	80	65	HPC	SND	20	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	280	0.2	0.3	0.5	8	10	10	15	20	40	10	0	5	0	0	X	0	0	0	0.5	0.25	0	0	0	0	0.25	20	0	10	X	X	90	M	75	0	2	0	80	60	HPC	SND/BLD	20	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	300	0.5	0.5	0.2	6	10	10	55	10	15	0	0	10	0	0	X	0	0	0	0	0.5	0	0	0	0	0.5	10	0	5	X	X	85	M	40	10	2	1	80	60	SND	SND	15	50	1C	1B	X			
Wewoka Creek	12134	09/01/98	320	0.5	0.5	0.3	8	12	10	30	25	15	15	0	5	0	0	X	0	0	0	2	2	0	0	0	0	0	40	0	5	X	X	90	M	70	30	1.5	1	80	70	SND	SND	15	40	1C	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Wewoka Creek	12134	09/01/98	340	1.2	1	0.2	8	14	25	20	10	5	30	0	10	0	0	X	0	0	0	2	3	0.5	0	0	0	0.5	45	0	5	X	X	80	M	75	20	1.5	0.5	75	65	SND	SND	10	40	1C	1B	X			
Wewoka Creek	12134	09/01/98	360	1	1.4	1	10	16	70	10	0	0	10	0	10	0	0	X	0	0	0	5	4	0.5	0	0	0	0	40	0	0	X	X	80	M	70	10	1.5	0.5	80	60	SND	SND	5	40	1C	1B	X			
Wewoka Creek	12134	09/01/98	380	1	1.5	1	14	16	70	20	0	0	0	0	10	0	0	X	0	0	0	1	1	0	0	0	0	0	0	0	15	X	X	80	M	0	20	0	1	75	70	SND	HPC	5	30	1C	1B	X			
Wewoka Creek	12134	09/01/98	400	0.9	0.8	0.5	10	14	75	10	0	0	0	0	10	5	0	X	0	0	0	0.25	0.25	0	0	0	0	0	0	0	10	X	X	80	M	0	10	0	1	75	70	SND	HPC	5	30	1C	1B	X			
Wewoka Creek	17545	10/15/99	20	0.7	1.3	0.8	12	18	30	40	10	0	0	0	5	15	0	X	0	0	1	0	0	0	0	0	0	0	70	0	30	0	X	85	G	0	40	0	2	45	60	SI&C	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	40	0.4	0.8	0.6	10	18	10	70	0	0	0	0	0	20	0	X	0	0	0	0	0	0	2	0	0	0	10	0	10	X	X	60	G	0	90	0	3	45	80	SI&C	Si&C	0	0	2C	2B		30		1
Wewoka Creek	17545	10/15/99	60	0.2	0.4	0.4	8	18	0	60	20	0	0	0	0	20	0	X	0	0	0	0	0	0	4	0	0	0	10	0	0	X	X	65	G	0	100	0	3	40	90	SI&C	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	80	0.2	0.2	0.2	2	14	10	0	0	30	0	0	0	60	0	0	X	0	0	0	0	0	3	0	0	0	25	0	0	X	X	75	M	10	70	1	3	55	90	SI&C	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	100	0.2	0.2	0.2	4	12	0	10	60	25	0	0	0	5	X	0	0	0	0	0	0	0.5	1	0	0	0	65	20	0	X	X	70	M	0	60	0	3	50	85	SI&C	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	120	0.2	0.4	0.6	5	15	30	40	5	0	0	0	5	10	0	X	0	0	0	0	0	0	1	0	0	0	25	0	15	X	X	80	M	0	80	0	3	45	80	SND	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	140	0.1	0.3	0.3	4	18	25	45	15	0	0	0	0	15	0	X	0	0	1	0	0	0	0	0	0	0	15	0	10	X	X	85	M	0	85	0	4	55	85	SND	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	160	0.2	0.5	0.5	4	14	10	60	10	0	0	0	10	10	0	X	0	0	4	0	0	0	0	0	0	0	10	0	0	X	X	70	M	0	80	0	4	40	85	SND	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	180	0.2	0.3	0.3	6	20	20	60	20	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	30	0	0	X	X	85	M	0	90	0	4	50	90	SND	Si&C	0	0	2C	2B	X			
Wewoka Creek	17545	10/15/99	200	0.2	0.3	0.4	3	14	10	60	10	0	0	0	0	30	0	X	0	0	0	0	0	0	2	0	0	0	10	0	10	X	X	80	M	0	70	0	3	45	80	SND	Si&C	10	0	1B	2B		60	3	2
Wewoka Creek	17545	10/15/99	220	0.1	0.2	0.2	4	16	60	0	10	0	0	0	0	30	0	X	0	0	0	0	0	0	3	0	0	0	5	0	0	X	X	85	M	0	40	0	3	40	75	SND	Si&C	0	0	2B	2B		15	2	1
Wewoka Creek	17545	10/15/99	240	0.2	0.4	0.2	8	14	40	20	20	0	0	0	10	10	0	X	0	0	0	0.5	0.5	0.5	1.5	0	0	0.5	10	0	10	X	X	85	M	0	30	0	2	35	65	SND	Si&C	10	0	1B	2B		35	3	2
Wewoka Creek	17545	10/15/99	260	0.3	0.3	0.2	10	16	10	80	0	0	0	0	10	0	0	X	0	0	0	1	1.5	0.5	0	0	0	0	0	0	5	X	X	90	M	10	40	1.5	1.5	60	70	SND	Si&C	0	0	2B	2B	X			
Wewoka Creek	17545	10/15/99	280	0.4	0.4	0.2	8	12	5	80	0	0	0	0	0	15	0	X	0	0	0	0.5	0	0.5	0.5	0	0.5	0.5	0	0	0	X	X	90	M	20	20	1	2	60	60	SND	SND	0	0	2B	2B	X			
Wewoka Creek	17545	10/15/99	300	0.3	0.2	0.2	6	12	10	80	0	0	0	0	10	0	0	X	0	0	1	0	1	1	0.5	0	0	1	0	0	10	X	X	85	M	30	0	1	0	65	55	SI&C	SND	0	0	2B	2B	X			
Wewoka Creek	17545	10/15/99	320	0.8	0.4	0.2	5	14	0	80	0	0	0	0	10	10	0	X	0	0	1.5	0	0	0.5	0	0	0	0.5	0	0	0	X	X	70	M	70	0	3	0	85	45	SI&C	SND	0	0	2B	2B	X			
Wewoka Creek	17545	10/15/99	340	0.4	0.4	0.3	10	16	0	90	0	0	0	0	0	20	0	X	0	0	3	0	0	0.5	0	0	0	0	0	0	5	X	X	85	G	50	0	3	0	80	45	SI&C	SND	0	0	2B	2B	X			
Wewoka Creek	17545	10/15/99	360	0.2	0.2	0.4	12	16	0	80	0	0	0	0	5	15	0	X	0	0	2	0	0	0	0.5	0	0	1	0	0	0	X	X	90	M	20	0	1	0	70	65	SI&C	SND	0	0	2B	2B	X			
Wewoka Creek	17545	10/15/99	380	0.1	0.1	0.1	4	18	0	0	30	0	0	0	0	70	0	0	X	0	1.5	0	0	0	1	0	0	0	40	0	0	X	X	85	M	10	20	1	1	65	60	HPC	SND	25	15	1B	1B	X			
Wewoka Creek	17545	10/15/99	400	0.1	0.1	0.1	3	20	0	0	20	10	0	0	0	70	X	0	0	0	0	0	0	0	0	0	0	0	65	10	15	X	X	90	M	0	0	0	0	70	70	HPC	Si&C	30	10	1B	1B	X			
Turkey Creek	17540	06/17/99	20	0.2	0.1	0.1	5	8	5	65	25	5	0	0	0	0	X	0	0	0	0.75	0.5	0.5	0	0	0	0	0.5	30	10	5	X	X	40	M	0	0	0	0	80	70	SND	SND	0	0			X	0	0	
Turkey Creek	17540	06/17/99	40	0.3	0.1	0.2	7	9	5	70	20	0	0	0	0	5	X	0	X	0	0	0	0.5	0	0	0	0	0.25	15	10	20	X	X	50	M	75	0	3	0	85	80	HPC	SND	0	2		1B	X	0	0	
Turkey Creek	17540	06/17/99	60	0.2	0.2	0.1	5	14	0	30	30	0	0	0	0	40	0	X	0	0	0	0	0.75	1	1.5	0	0	0.25	5	0	10	X	X	45	M	100	0	3	0	85	75	HPC	SND	0	5		1B	X	0	0	
Turkey Creek	17540	06/17/99	80	0.2	0.1	0.2	8	16	10	75	10	0	0	0	5	0	0	X	0	0	0	1.5	1	0.5	0.5	0	0	0	7	0	35	X	X	50	M	60	0	3	0	85	70	HPC	SND	5	5	1B	1B	X	0	0	
Turkey Creek	17540	06/17/99	100	0.1	0.4	0.8	8	13	5	65	10	0	0	0	5	15	0	X	0	0	0	1	2	1.5	3.5	0	0	0.5	5	0	5	X	X	55	M	0	0	0	0	70	80	SND	SND	10	0	1B		X	0	0	
Turkey Creek	17540	06/17/99	120	0.8	1.1	1.5	11	12	10	80	0	0	0	0	10	0	0	X	0	0	0	17	8	0	1.5	0	0	0.5	0	0	10	X	X	50	M	0	0	0	0	75	80	SND	SND	15	0	1B		X	0	0	
Turkey Creek	17540	06/17/99	140	0.3	0.7	1.2	9	11	5	80	0	0	0	0	10	5	0	X	0	0	0.75	7	4	1	0	0	0	0	0	0	30	0	X	60	M	0	0	0	0	70	80	SND	HPC	10	0	1B		X	0	0	
Turkey Creek	17540	06/17/99	160	0.3	0.3	0.4	9	9	20	60	15	0	0	0	5	0	0	X	0	0	0.5	0	1	0.75	0	0	0	0.25	3	0	30	0	X	65	M	0	0	0	0	80	80	SND	SND	12	12	1B	1B	X	0	0	
Turkey Creek	17540	06/17/99	180	0.1	0.1	0.1	7	12	10	75	0	0	0	0	0	15	0	0	X	0	0.5	0	0.5	0	0	0	0	0	1.5	0	45	X	X	60	M	25	0	3	0	80	65	HPC	SND	2	20	1B	1B	X	0	0	
Turkey Creek	17540	06/17/99	200	0.2	0.2	0.2	8	11	10	25	0	0	0	0	5	60	0	0	X	0	0	0	0	0.75	0	0	0	0.5	0.5	0	10	X	X	50	G	100	0	3	0	85	75	HPC	SND	0	15		1B	X	0	0	
Turkey Creek	17540	06/17/99	220	0.3	0.3	0.3	5	11	5	15	0	0	0	0	10	70	0	0	X	0	0	3.5	1.5	0.75	1	0	0	0	1	0	10	X	X	40	G	100	0	3	0	80	75	HPC	SND	0	15		1B	X	0	0	
Turkey Creek	17540	06/17/99	240	0.2	0.2	0.1	9	14	10	60	25	0	0	0	5	0	0	0	X	0	0	0	0.75	0.5	0	0	0	0.5	20	0	0	X	X	35	G	100	0	3	0	80	80	HPC	SND	0	20		1B	X	0	0	
Turkey Creek	17540	06/17/99	260	0.1	0.1	0.1	7	15	0	0	45	0	0	0	0	55	X	0	X	0	0	0	0.5	0.5	0.75	0	0	0.5	10	15	0	X	X	50	G	100	0	3	0	85	70	HPC	SND	0	15		1B	X	0	0	
Turkey Creek	17540	06/17/99	280	0.2	0.1	0.1	7	13	25	30	45	0	0	0	0	0	X	0	X	0	0	0	1.5	0.5	0	0	0	0.5	20	15	20	X	X	50	G	100	0	3	0	80	75	HPC	SND	0	20		1B	X	0	0	
Turkey Creek	17540	06/17/99	300	0.2	0.2	0.3	6	9	0	40	20	0	0	0	0	40	X	0	X	0	0.75	1.5	2.5	1	0	0	0	0	5	10	15	0	X	50	M	100	0	3	0	80	80	HPC	SND	0	15		1B	X	0	0	
Turkey Creek	17540	06/17/99	320	0.5	0.7	0.5	11	14	15	80	0	0	0	0	5	0	0	X	0	0	0.5	0.75	2.5	0.5	0	0	0	0	5	0	60	X	X	55	M	75	0	2	0	80	70	HPC	SND	0	15		1B	X	0	0	

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Turkey Creek	17540	06/17/99	340	0.1	0.1	0.1	3	14	0	30	60	0	0	0	0	10	X	X	0	0	0	1	0.75	0	0	0	0	0	10	10	35	X	X	55	M	0	0	0	0	65	75	SND	SND	0	15		1B	X	0	0	
Turkey Creek	17540	06/17/99	360	0.1	0.1	0.1	10	14	5	85	10	0	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0	0	3	0	25	X	X	65	M	0	0	0	0	80	75	SND	SND	0	20		1B	X	0	0	
Turkey Creek	17540	06/17/99	380	1.1	1	0.8	7	9	15	70	0	0	0	0	0	15	0	X	0	0	0.5	0.5	0	0.5	1	0	0	0.5	0	0	10	X	X	70	M	0	0	0	0	80	75	HPC	SND	0	20		1B	X	0	0	
Turkey Creek	17540	06/17/99	400	0.9	0.9	0.8	7	9	10	70	0	0	0	0	10	10	0	X	0	0	0	1	2.5	1	0	0	0	0	0	0	40	0	X	65	M	0	0	0	0	75	70	SND	SND	0	20		1B	X	0	0	
Factory Creek	17539	06/25/99	20	0.3	0.3	0.3	7	8	10	0	20	0	70	0	0	0	X	0	0	0	0	0	0.75	0	0	0	0	0.5	60	15	15	0	X	90	M	0	0	0	0	80	75	BLD	SND	0	0				0	0	2
Factory Creek	17539	06/25/99	40	0.4	0.3	0.3	6	7	5	55	30	10	0	0	0	0	X	0	0	0	0.5	1	0.75	0	0	0	0	0.5	40	15	30	0	X	80	M	15	0	1	0	80	75	SND	SND	50	15	1B	1B		0	0	1
Factory Creek	17539	06/25/99	60	0.2	0.3	0.3	7	9	5	65	25	0	0	0	5	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0.5	1.5	0	10	0	X	75	M	50	50	1	1.5	80	75	SND	SND	50	15	1B	1B		0	0	
Factory Creek	17539	06/25/99	80	0.1	0.1	0.1	9	10	0	10	70	10	0	0	0	10	X	0	0	0	0	0	0.75	0	0.5	0	0	0	30	10	35	X	X	65	M	0	80	0	2.5	75	85	SND	HPC	50	20	1B	1B		0	0	
Factory Creek	17539	06/25/99	100	0.1	0.1	0.1	5	7	0	45	55	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0.5	40	15	30	X	X	65	M	0	70	0	3.5	80	85	SND	HPC	50	0	1B			0	0	
Factory Creek	17539	06/25/99	120	0.1	0.1	0.1	5	8	0	50	50	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	35	15	25	X	X	70	M	0	70	0	3.5	75	85	SND	HPC	50	0	1B			0	0	
Factory Creek	17539	06/25/99	140	0.1	0.1	0.1	6	9	0	40	45	0	0	0	15	0	X	0	X	0	0	4.5	3	1	0	0	0	1	20	10	10	X	X	60	M	0	80	0	3	75	85	SND	HPC	50	4	1B	1B		0	0	
Factory Creek	17539	06/25/99	160	0.2	0.2	0.2	6	8	5	50	35	0	0	0	10	0	0	0	X	0	0.75	2.5	2	1.5	0	0	0	1	20	0	40	X	X	80	M	0	0	0	0	70	80	SND	SND	50	20	1B	1B		0	0	
Factory Creek	17539	06/25/99	180	0.4	0.5	0.5	6	8	5	15	0	0	0	0	0	80	0	X	0	0	0.5	0.75	1	0.5	0	0	0	1	1.5	0	20	0	X	75	M	75	0	3	0	80	75	SI&C	SND	50	20	1B	1B		0	0	
Factory Creek	17539	06/25/99	200	0.1	0.1	0.1	7	10	0	40	50	10	0	0	0	0	0	0	X	0	0	0	0.75	0	0	0	0	0.5	30	0	20	X	X	60	M	50	0	3	0	85	80	SI&C	SND	50	20	1B	1B		0	0	
Factory Creek	17539	06/25/99	220	0.2	0.4	0.5	5	7	10	50	30	0	0	0	10	0	0	X	0	0	0.75	7	2.5	1	0	0	0	0.75	12	0	15	X	X	80	M	15	0	2.5	0	70	75	SI&C	Si&C	50	25	1B	1B		0	0	
Factory Creek	17539	06/25/99	240	0.2	0.2	0.2	5	9	0	40	60	0	0	0	0	0	X	0	X	0	0	4	1	0.5	0	0	0	0	10	0	75	X	X	70	M	50	0	2.5	0	80	70	SI&C	Si&C	50	40	1B	1B		0	0	
Factory Creek	17539	06/25/99	260	0.3	0.4	0.4	4	9	0	50	35	0	0	0	0	15	X	0	0	0	0	0	0	0	0.5	0	0	0.5	7	20	85	X	X	75	M	0	0	0	0	70	80	SI&C	HPC	50	50	1B	1B		0	0	1
Factory Creek	17539	06/25/99	280	0.1	0.1	0.1	5	11	0	50	40	0	0	0	0	10	X	0	0	0	0.5	0	0.5	0	0.5	0	0	0.75	12	15	60	X	X	80	M	0	25	0	3	70	70	SND	Si&C	50	50	1B	1B		0	0	
Factory Creek	17539	06/25/99	300	0.4	0.3	0.2	5	10	5	30	50	0	0	0	5	10	0	0	X	0	0.5	0	3	0.5	0.75	0	0	0.5	8	0	30	X	X	70	M	0	0	0	0	75	65	SI&C	SND	50	50	1B	1B		0	0	
Factory Creek	17539	06/25/99	320	0.1	0.2	0.3	6	7	5	65	20	0	0	0	0	10	0	0	X	0	0.5	0	2	0	0	0	0	0.5	12	0	25	X	X	80	M	20	10	0.5	1	75	80	SND	Si&C	50	50	1B	1B		0	0	
Factory Creek	17539	06/25/99	340	0.3	0.2	0.2	6	7	10	60	30	0	0	0	0	0	0	X	0	0	0	0.75	0.5	1	0	0	0	0	10	0	75	X	X	80	M	0	0	0	0	75	80	SND	Si&C	50	50	1B	1B		0	0	
Factory Creek	17539	06/25/99	360	0.2	0.1	0.1	7	7	5	55	40	0	0	0	0	0	X	0	0	0	0	0	1.5	0	0	0	0	0.75	12	20	40	X	X	90	M	0	0	0	0	80	80	SND	Si&C	50	50	1B	1B		0	0	
Factory Creek	17539	06/25/99	380	0.2	0.2	0.2	4	10	0	40	60	0	0	0	0	0	0	0	X	0	0.5	1.5	1.5	0.5	0	0	0	1	8	0	30	X	X	90	M	5	0	1	0	80	70	SI&C	Si&C	50	50	1B	1B		0	0	
Factory Creek	17539	06/25/99	400	0.3	0.3	0.2	5	9	5	60	35	0	0	0	0	0	0	0	X	0	1	0	0	0.75	0	0	0	1	5	0	40	X	X	90	M	0	5	0	1	85	75	SI&C	SND	50	50	1B	1B		0	0	
Julian Creek	17572	06/28/99	20	0.1	0.2	0.1	3	25	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0.5	0	1	1	0	0	0	5	X	X	60	M	30	0	2	0	85	30	SND	SND	2	5	1B	1B	X			
Julian Creek	17572	06/28/99	40	0.1	0.1	0.1	6	20	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	2	0	0	0	0	X	X	75	M	10	0	1	0	70	100	SND	SND	0	40	1C	1B	X			
Julian Creek	17572	06/28/99	60	0.1	0.1	0.1	5	25	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	5	0	0	0	0	X	X	60	M	20	20	0.5	1	70	80	SND	SND	0	40	1C	1B	X			
Julian Creek	17572	06/28/99	80	0.1	0.1	0.1	7	25	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	1	0	0	0	0	X	X	60	M	10	30	0.5	1	30	80	SND	SND	2	40	1C	1B	X			
Julian Creek	17572	06/28/99	100	0.1	0.1	0.1	10	20	0	100	0	0	0	0	0	0	0	0	X	0	0	0	1	1	0	0	0	0.5	0	0	5	X	X	90	M	10	10	0.5	1	70	80	SND	SND	15	50	1B	1A	X			
Julian Creek	17572	06/28/99	120	0.1	0.1	0.1	4	15	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0.5	0	0	0	0.5	1	0	0	10	X	X	85	M	10	10	1	1	85	70	SND	SND	20	50	1B	1A	X			
Julian Creek	17572	06/28/99	140	0.1	0.1	0.1	5	20	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	1	0	0	0	10	X	X	80	M	40	0	1	0	60	40	SND	SND	10	50	1B	1A	X			
Julian Creek	17572	06/28/99	160	0.1	0.1	0.2	10	20	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	1	0	0	0	0	X	X	95	M	5	0	1	0	80	60	SND	SND	20	25	1B	1B	X			
Julian Creek	17572	06/28/99	180	0.1	0.1	0.1	8	15	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	0	20	X	X	95	M	0	0	0	0	55	65	SND	SND	30	30	1B	1B	X			
Julian Creek	17572	06/28/99	200	0.1	0.1	0.1	3	10	0	100	0	0	0	0	0	0	0	0	X	0	0	0.5	0	0.5	0	0	0	0.5	0	0	25	X	X	80	M	0	20	0	1	45	75	SND	SND	50	50	1B	1B	X			
Julian Creek	17572	06/28/99	220	0.1	0.1	0.1	10	15	0	100	0	0	0	0	0	0	0	0	X	0	0	0	5	0	0	0	0.5	0.5	0	0	5	X	X	70	M	0	80	0	2	40	85	SND	SND	30	10	1B	1B	X			
Julian Creek	17572	06/28/99	240	0.1	0.1	0.2	4	12	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0.5	1.5	0	0	1	0.5	0	0	10	X	X	80	M	0	15	0	2	40	75	SND	SND	30	50	1B	1A	X			
Julian Creek	17572	06/28/99	260	0.1	0.1	0.1	5	12	0	100	0	0	0	0	0	0	0	0	X	0	0	0	1	1	0	0	0.5	0.75	0	0	30	X	X	100	M	0	0	0	0	30	65	SND	SND	30	50	1B	1A	X			
Julian Creek	17572	06/28/99	280	2	0.1	0.1	6	8	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0.5	0.5	0	0	10	X	X	95	M	0	0	0	0	40	75	SND	SND	30	50	1B	1B	X			
Julian Creek	17572	06/28/99	300	0.1	0.1	0.1	5	10	0	100	0	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0.5	0	0	0	10	X	X	90	M	0	0	0	0	45	60	SND	SND	40	50	1A	1A	X			
Julian Creek	17572	06/28/99	320	0.1	0.1	0.1	3	12	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	2	0.5	0	0	15	X	X	95	M	0	0	0	0	45	20	SND	SND	40	50	1A	1A	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Julian Creek	17572	06/28/99	340	0.1	0.1	0.1	5	11	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	10	0	0	55	X	X	95	M	0	0	0	0	85	20	SND	SND	40	50	1A	1A	X			
Julian Creek	17572	06/28/99	360	0.1	0.1	0.1	6	13	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0.5	0	0	0	0	2.5	0	0	25	X	X	80	M	15	0	1	0	85	30	SND	SND	20	50	1B	1A	X			
Julian Creek	17572	06/28/99	380	0.1	0.1	0.1	6	20	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0.5	1.5	0	0	20	X	X	70	M	30	0	2	0	80	35	SND	SND	20	60	1A	1A	X			
Julian Creek	17572	06/28/99	400	2	0.1	0.1	5	12	0	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	1	1	0	0	10	X	X	85	M	10	0	1	0	65	40	SND	SND	30	50	1A	1A	X			
Spring Brook Creek	17546	10/14/99	20	0.3	0.3	0.2	2.5	15	10	75	0	0	0	0	10	5	0	X	0	0	0	0	0.25	0	0.25	0	0	0	60	0	50	X	X	80	G	0	15	0	1	40	60	SND	SND	5	5	2B	2B	X			
Spring Brook Creek	17546	10/14/99	40	0.1	0.2	0.1	2	16	0	60	30	0	0	0	5	5	0	X	0	0	0	0	0	0.25	0.5	0	0	0	15	0	5	X	0	80	G	0	70	0	1.5	45	50	SND	HPC	5	15	2B	2B	X			
Spring Brook Creek	17546	10/14/99	60	0.1	0.1	0.1	1.5	12	0	65	20	0	0	0	10	5	0	0	X	0	0	0	0	2	0.25	0	0	0.25	25	0	2	X	X	85	M	0	85	0	1	30	45	SND	HPC	15	7	2B	2C	X			
Spring Brook Creek	17546	10/14/99	80	0.2	0.1	0.1	2	15	0	90	5	0	0	0	5	0	0	X	0	0	0	1	0	0	0	0	0	0.5	27	0	20	X	X	70	M	0	65	0	1	65	35	SND	SND	7	5	2B	2C	X			
Spring Brook Creek	17546	10/14/99	100	0.2	0.1	0.1	4	10	0	75	10	0	0	0	15	0	0	X	0	0	0	0	0	0.25	0	0	0	1	3	0	35	X	X	90	S	5	30	1	0.75	70	35	SND	SND	8	10	1B	1B	X			
Spring Brook Creek	17546	10/14/99	120	0.1	0.1	0.3	3	15	0	75	10	0	0	0	10	5	0	X	X	0	0	1	2	0	0.25	0	0	0	3	0	65	X	X	80	M	50	60	0.5	2	50	65	SND	HPC	3	15	1B	1B	X			
Spring Brook Creek	17546	10/14/99	140	0.1	0.1	0.1	1	16	0	30	65	0	0	0	5	0	0	0	X	0	0	1	3	0	0	0	0	0	10	0	30	X	X	65	M	30	100	0.5	2.5	40	65	SND	HPC	5	3	1B	1B	X			
Spring Brook Creek	17546	10/14/99	160	0.4	0.6	0.4	4	11	0	85	5	0	0	0	10	0	0	X	0	0	0.5	2	4	1	0	0	0	1	3	0	15	X	X	65	S	0	90	0	2	30	70	SND	HPC	15	1	1B	2B	X			
Spring Brook Creek	17546	10/14/99	180	0.2	0.1	0.1	1	13	0	85	10	0	0	0	5	0	0	X	0	0	0	0	0.75	0	0	0	0	0	2	0	40	X	X	70	M	0	95	0	2	35	30	SND	SND	10	30	1A	1B	X			
Spring Brook Creek	17546	10/14/99	200	0.1	0.1	0.1	1	14	0	85	0	0	0	0	15	0	0	X	0	0	0	0	0.25	0	0	0	0	0	2	0	80	X	X	75	M	60	50	0.5	1.5	60	35	HPC	SND	10	50	1B	1A	X			
Spring Brook Creek	17546	10/14/99	220	0.1	0.1	0.1	1.5	16	0	45	20	0	0	0	25	0	0	0	X	0	0	0	0	0	0.25	0	0	0	2	0	70	X	X	70	M	40	10	1.5	0.25	60	35	SND	SND	5	50	1B	1A	X			
Spring Brook Creek	17546	10/14/99	240	0.1	0.1	0.1	3.5	16	0	80	5	0	0	0	15	0	0	X	0	0	0	0	0.25	0	0	0	0	0	3	0	50	X	X	85	M	15	0	0.5	0	30	35	SND	SND	5	25	1B	1B	X			
Spring Brook Creek	17546	10/14/99	260	0.1	0.1	0.1	2	12	0	90	0	0	0	0	10	0	0	0	X	0	0	0	0.25	0	0	0	0	0	10	0	35	X	X	90	M	10	0	0.5	0	30	40	SND	SND	20	17	1B	1B	X			
Spring Brook Creek	17546	10/14/99	280	0.1	0.1	0.1	1.5	7	0	95	5	0	0	0	0	0	0	0	X	0	0	1	1	0	0	0	0	0	5	0	15	X	X	90	M	0	5	0	0.5	40	35	SND	SND	25	50	1B	1B	X			
Spring Brook Creek	17546	10/14/99	300	0.1	0.1	0.1	1	17	0	85	0	0	0	0	5	10	0	0	X	0	0	0	0	0	0.25	0	0	0	3	0	15	X	X	95	M	30	0	2	0	45	35	SND	HPC	30	30	1B	1B	X			
Spring Brook Creek	17546	10/14/99	320	0.4	0.4	0.3	5	18	10	85	0	0	0	0	5	0	0	X	0	0	0	2	3	0	0.5	0	0	0	0	0	50	X	0	85	M	50	30	1	0.5	30	35	SND	SND	15	15	1B	1B	X			
Spring Brook Creek	17546	10/14/99	340	0.1	0.2	0.3	5	12	0	80	0	0	0	0	5	15	0	X	0	0	0	0	0.25	0.5	0	0	0	0	0	0	15	X	X	85	M	10	50	0.25	1	35	30	SND	SND	10	3	1B	2B	X			
Spring Brook Creek	17546	10/14/99	360	0.1	0.1	0.1	2	15	0	75	5	0	0	0	20	0	0	0	X	0	0	0	0.5	0	0	0	0	0	15	0	55	X	X	75	M	30	60	1	2	60	55	SND	SND	10	5	1B	2B	X			
Spring Brook Creek	17546	10/14/99	380	0.1	0.1	0.1	2	14	0	70	10	0	0	0	20	0	0	0	X	0	0	0	0.25	0	0	0	0	0	5	0	15	X	X	90	M	15	80	0.75	1.5	75	35	SND	SND	17	2	1A	2B	X			
Spring Brook Creek	17546	10/14/99	400	0.1	0.1	0.1	3	10	5	70	20	0	0	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	25	X	X	90	M	5	60	0.25	0.5	60	55	SND	SND	15	5	1B	1B	X			
Captain Creek	17321	08/28/98	20	0.2	0.3	0.1	7	11	10	70	0	0	0	0	10	10	0	X	0	0	0	0.5	0.5	0	0.75	0	0	0.5	2.5	0	25	0	X	70	G	10	0	1.5	0	70	80	SND	SND	0	0			X			
Captain Creek	17321	08/28/98	40	0.1	0.2	0.3	6	9	15	60	0	0	0	0	5	15	0	X	0	0	0.5	0	0	0	0.75	0	0	0.75	0	0	20	0	X	60	M	5	20	1.5	1.5	80	80	SND	HPC	50	50	1C	2C	X			
Captain Creek	17321	08/28/98	60	0.3	0.5	0.8	6	10	5	70	0	0	0	0	5	20	0	X	0	0	0.5	0	0	0	1	0	0	0.25	0	0	35	X	X	65	M	5	10	1.5	2	60	80	SND	HPC	50	50	1C	2C	X			
Captain Creek	17321	08/28/98	80	0.1	0.1	0.6	10	10	15	70	0	0	0	0	5	10	0	X	0	0	0	0	0	0	0.5	0	0	0	0	0	10	X	X	45	M	0	100	0	2.5	85	85	SND	HPC	50	50	1C	2C	X			
Captain Creek	17321	08/28/98	100	0.5	0.4	0.4	7	11	10	75	0	0	0	0	10	5	0	X	0	0	0	1.5	0.75	0.5	0.75	0	0	0	0	0	10	0	X	40	M	90	80	2.5	2.5	85	85	SND	HPC	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	120	0.5	0.4	0.4	6	10	10	65	0	0	0	0	15	10	0	X	0	0	0	0.5	0.75	0.25	0.5	0	0	0.25	0	0	10	0	X	45	S	70	80	2	2.5	80	85	SND	HPC	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	140	0.3	0.2	0.1	4	12	10	70	10	0	0	0	5	5	0	0	X	0	0.5	0.5	1	0.5	0	0	0	0	0.5	0	15	X	X	40	T	75	20	2.5	1.5	75	75	SND	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	160	0.1	0.2	0.1	3	14	15	60	15	0	0	0	5	5	0	0	X	0	0.75	0.75	0.75	1	0	0	0	0.25	0.5	0	5	X	X	45	T	90	0	2.5	0	80	60	SND	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	180	0.1	0.1	0.1	7	11	10	80	0	0	0	0	10	0	0	0	X	0	0	0.25	0.25	0	0	0	0	0	0.5	0	0	X	X	50	M	10	0	2.5	0	80	70	HPC	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	200	0.2	0.2	0.2	6	11	15	65	0	0	0	0	10	10	0	X	0	0	0	0	0	0	0	0	0	0.25	0	0	0	0	X	55	G	5	0	1	0	75	80	HPC	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	220	0.3	0.3	0.3	4	10	30	45	0	0	0	0	15	10	0	X	0	0	0.5	0	0.5	0.25	0.5	0	0	0.25	0	0	5	0	X	55	S	75	0	1.5	0	70	80	HPC	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	240	0.1	0.1	0.1	4	10	5	90	0	0	0	0	5	0	0	0	X	0	0.5	0.25	0.5	0.75	0.5	0	0	0.25	0	0	15	0	X	50	S	100	10	1.5	0.5	70	80	HPC	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	260	0.1	0.1	0.1	4	10	5	80	0	0	0	0	10	5	0	0	X	0	0.25	0	0.75	0.75	0.5	0	0	0.25	0	0	5	X	X	45	M	75	20	1.5	2.5	75	80	HPC	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	280	0.1	0.1	0.1	4	8	10	70	0	0	0	0	10	10	0	0	X	0	0	0	0.5	0.5	0.25	0	0	0	0	0	40	X	X	35	T	60	10	2	2	80	85	HPC	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	300	0.1	0.1	0.1	3	9	5	55	5	0	0	0	5	30	0	0	X	0	0	0.5	3	0.5	0.5	0	0	0.5	0.5	0	60	X	X	45	T	0	10	0	2.5	60	85	HPC	SND	50	50	2C	1C	X			
Captain Creek	17321	08/28/98	320	0.1	0.1	0.1	3	9	5	75	0	0	0	0	5	15	0	0	X	0	0	0	0.5	0.25	0	0	0	0	0	0	20	X	X	55	T	0	20	0	2	60	80	HPC	SND	50	50	2C	2C	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Captain Creek	17321	08/28/98	340	0.1	0.1	0.1	5	9	5	80	0	0	0	0	5	10	0	0	X	0	0	1	0.75	0.5	0	0	0	0.25	0	0	5	X	X	50	T	0	20	0	2	65	80	HPC	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	360	0.1	0.1	0.1	6	11	10	70	5	0	0	0	15	0	0	0	X	0	0.5	0.5	0.75	0.75	0	0	0	0.25	0.5	0	50	X	X	65	T	0	10	0	2	65	80	SND	SND	50	50	2C	2C	X			
Captain Creek	17321	08/28/98	380	0.1	0.1	0.1	5	11	10	75	0	0	0	0	15	0	0	0	X	0	0	1	1	0.75	0	0	0	0	0	0	15	X	X	60	M	0	50	0	2.5	70	75	SND	HPC	50	50	2C	1C	X			
Captain Creek	17321	08/28/98	400	0.1	0.1	0.1	4	8	10	75	5	0	0	0	10	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	0	5	X	X	60	M	0	10	0	2.5	60	80	SND	HPC	50	50	2C	1C	X			
Opossum Creek	17536	07/06/99	20	0.2	0.2	0.2	4	7	0	0	0	0	10	0	0	90	0	X	0	0	0	0	0.5	0	3	0	0	0.5	15	0	20	0	X	80	G	0	40	0	1	80	80	BLD	HPC	0	0			X			
Opossum Creek	17536	07/06/99	40	0.7	1	0.8	6	9	40	30	0	0	20	0	10	0	X	X	0	0	0	0	0.75	0	0	0	0	0	50	0	50	0	X	75	M	0	15	0	1.5	80	80	BLD	BLD	0	0			X			
Opossum Creek	17536	07/06/99	60	0.1	0.9	0.1	3	4	0	0	0	0	0	0	0	100	0	X	0	0	0	0	0.75	0	6	0	0	0	8	0	20	0	X	70	M	90	0	2	0	85	80	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	80	0.1	0.4	0.1	6	9	0	0	15	0	0	0	0	85	0	0	X	0	0	0	0.75	0	4	0	0	0	1	0	10	0	X	65	M	70	70	1.5	1	80	80	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	100	0.3	0.5	0.5	6	9	0	80	0	0	0	0	5	15	0	X	0	0	0	0.5	0.5	0.5	0	0	0	0.75	0	0	20	0	X	70	M	50	40	1	1.5	80	85	SND	HPC	0	0			X			
Opossum Creek	17536	07/06/99	120	0.3	0.8	0.1	3	5	0	0	0	0	0	0	0	100	X	X	0	0	0.5	0	1	0.75	2	0	0	1	0	0	15	0	X	65	M	0	25	0	2	70	75	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	140	0.2	0.3	0.3	4	5	0	0	20	0	0	0	0	80	0	0	X	0	0.5	0	0	0	5	0	0	0	1	0	60	0	X	65	M	15	30	3	2	75	75	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	160	0.1	0.1	0.1	5	8	0	0	25	0	0	0	0	75	X	0	0	0	1	0.5	0.75	0	0	0	0	2	1.5	0	20	0	X	55	G	10	100	1	3	80	80	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	180	0.1	0.1	0.1	5	7	0	0	30	0	0	0	0	70	X	0	0	0	0.5	0	0.75	0	0	0	0	0.75	1.5	0	10	0	X	65	M	0	100	0	3	80	85	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	200	0.3	0.2	0.1	5	7	0	15	15	0	0	0	0	70	0	X	0	0	0.5	0	0	0	2.5	0	0	0.5	1	0	15	0	X	55	M	30	100	3	3.5	75	85	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	220	0.1	0.1	0.1	5	6	0	20	20	0	0	0	0	60	0	0	X	0	0	0.5	0	0	2	0	0	0.5	1	0	10	0	X	70	M	0	100	0	3.5	75	85	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	240	0.1	1	0.9	4	7	0	15	15	0	0	0	0	70	0	X	0	0	0	0	0	0	5	0	0	0	1.5	0	30	0	X	50	M	30	50	1.5	1	70	80	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	260	0.1	0.8	0.1	3	7	0	0	25	5	0	0	0	70	0	X	0	0	0	0	0	0	6	0	0	0	2	0	15	0	X	65	M	15	15	1.5	1.5	75	80	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	280	0.3	0.1	0.1	3	5	0	0	20	0	0	0	0	80	X	0	0	0	0	0	0	0	2	0	0	0.5	1.5	0	10	0	X	80	M	10	10	1	1	80	75	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	300	0.1	0.2	0.1	3	7	0	0	15	0	0	0	0	85	X	0	0	0	0	0	0	0	2	0	0	0	2	0	25	0	X	75	M	25	0	1	0	75	80	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	320	0.1	0.2	0.1	4	7	0	0	15	0	0	0	0	85	X	0	0	0	0	0	0	0	2.5	0	0	5	2	0	50	0	X	65	M	0	90	0	3	65	90	SND	HPC	0	0			X			
Opossum Creek	17536	07/06/99	340	0.3	0.3	0.1	5	7	0	0	0	0	0	0	10	90	X	0	X	0	0	0	0.75	0	3	0	0	0.75	0	0	10	0	X	65	M	25	100	1.5	3.5	65	90	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	360	0.4	0.9	0.6	19	22	0	50	15	0	0	0	0	35	0	X	0	0	0	0	0.5	0	5	0	0	0	1	0	25	0	X	60	M	0	40	0	3	65	85	HPC	HPC	0	0			X			
Opossum Creek	17536	07/06/99	380	0.3	0.8	0.7	3	6	0	0	0	0	0	0	0	100	0	X	0	0	0.5	0	2	1	5	0	0	0	0	0	60	0	X	60	M	0	15	0	2	70	80	SND	HPC	0	0			X			
Opossum Creek	17536	07/06/99	400	0.1	0.1	0.1	5	6	0	0	15	0	0	0	0	85	0	X	X	0	0	0.5	0.75	0.5	4	0	0	0.5	1	0	15	0	X	60	M	10	80	1	3	70	85	SND	HPC	0	0			X			
Little Deep Fork	11956	14-Aug-98	20	0.2	0.2	0.1	4	10	5	85	0	0	0	0	10	0	0	X	0	0	0	0.75	0.5	0	0	0	0	0	6	0	30	X	X	70	M	10	0	1	0	80	35	SND	SND	0	0			X			
Little Deep Fork	11956	14-Aug-98	40	0.1	0.2	0.1	6	10	10	75	0	0	0	0	15	0	0	X	0	0	0	1	0.75	0.5	0	0	0	0	2	0	5	X	X	60	M	0	5	0	1.5	80	70	SND	SND	5	0	1C		X			
Little Deep Fork	11956	14-Aug-98	60	0.1	0.1	0.1	3	8	5	85	0	0	0	0	10	0	0	X	0	0	0	0.5	1	0.25	0	0	0	0.5	0	0	40	X	X	65	M	0	20	0	2	70	80	SND	SND	10	5	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	80	0.2	0.2	0.1	3	11	30	60	0	0	0	0	10	0	0	X	0	0	4	2	2	3	0.75	0	0	0	0	0	50	X	X	50	T	25	0	1.5	0	75	50	SND	SND	5	10	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	100	0.1	0.1	0.1	0.5	9	10	80	0	0	0	0	10	0	0	0	X	0	0	0	1.5	0.5	0	0	0	0	0	0	25	X	X	50	T	20	0	1.5	0	80	60	SND	SND	8	5	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	120	0.1	0.1	0.1	3	9	5	80	0	0	0	0	15	0	0	0	X	0	0	1	2	0.5	0	0	0	0	0	0	50	X	X	40	T	75	10	2	1.5	85	80	SND	SND	10	3	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	140	0.1	0	0.1	2	7	10	75	0	0	0	0	15	0	0	0	X	0	0	0.5	0.5	0.5	0	0	0	0	0	0	60	X	X	40	M	60	0	1.5	0	85	65	SND	SND	10	3	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	160	0.1	0.1	0.1	2	8	10	80	0	0	0	0	10	0	0	0	X	0	0	0.5	0.75	0	0	0	0	0	0	0	95	X	X	60	T	0	60	0	0.5	65	85	SND	SND	9	5	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	180	0.1	0.1	0.1	1.5	8	10	80	0	0	0	0	10	0	0	0	X	0	0	0	0.5	0.25	0	0	0	0	0	0	90	X	X	55	M	20	0	0.5	0	85	60	SND	SND	3	5	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	200	0.1	0.1	0.1	0.5	7	5	85	0	0	0	0	15	0	0	0	X	0	0	0.5	0.75	0	0	0	0	0	0	0	80	X	X	45	M	0	0	0	0	70	70	HPC	SND	0	10		1C	X			
Little Deep Fork	11956	14-Aug-98	220	0.1	0.1	0.1	1	8	5	85	0	0	0	0	15	0	0	0	X	0	0	0	0.25	0.25	0	0	0	0	0	0	60	X	X	55	M	0	0	0	0	70	75	HPC	SND	0	0			X			
Little Deep Fork	11956	14-Aug-98	240	0.1	0.1	0.1	1	8	10	80	0	0	0	0	10	0	0	X	0	0	0	3	1.5	1.5	0	0	0	0	0	0	15	X	X	50	G	15	0	2	0	80	70	HPC	SND	0	10		1C	X			
Little Deep Fork	11956	14-Aug-98	260	0.1	0.1	0.1	0.5	10	15	75	0	0	0	0	10	0	0	X	0	0	0	0	0.75	0	0	0	0	0	0	0	0	X	X	45	G	75	0	2	0	70	70	SND	SND	0	10		1C	X			
Little Deep Fork	11956	14-Aug-98	280	0.1	0.1	0.1	0.5	12	10	80	0	0	0	0	10	0	0	0	X	0	0	0.75	0.75	0.5	0	0	0	0	0	0	15	X	X	40	G	50	10	1.5	1	70	60	SND	SND	0	0			X			
Little Deep Fork	11956	14-Aug-98	300	0.6	0.5	0.3	2	8	20	50	0	0	0	0	30	0	0	X	0	0	0.5	1	5	2	0	0	0	0	0	0	40	X	X	60	M	0	90	0	2	70	85	SND	SND	5	0	1C		X			
Little Deep Fork	11956	14-Aug-98	320	0.6	0.5	0.2	4	12	10	85	0	0	0	0	5	0	0	X	0	0	3	7	3	3	0	0	0	0	0	0	75	X	X	60	M	60	50	1.5	1.5	85	75	SND	SND	15	5	1C	1C	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Little Deep Fork	11956	14-Aug-98	340	0.2	0.2	0.2	1.5	9	10	70	0	0	0	0	10	10	0	X	0	0	0	1.5	1.5	0.5	0.75	0	0	0	0	0	80	X	X	70	M	0	0	0	0	80	60	SND	HPC	20	3	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	360	0.1	0.1	0.1	1	8	5	75	0	15	0	0	5	0	0	X	0	0	0	0	0.5	0	0	0	0	0	5	0	10	X	X	50	M	0	60	0	2	70	80	SND	HPC	20	10	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	380	0.3	0.4	0.5	4	9	5	80	0	0	0	0	15	0	0	X	0	0	0	1.5	2.5	0.5	0	0	0	0	6	0	10	X	X	50	G	0	80	0	2	70	70	SND	HPC	15	15	1C	1C	X			
Little Deep Fork	11956	14-Aug-98	400	0.1	0.1	0.2	6	8	10	80	0	0	0	0	10	0	0	X	0	0	0.5	1	1	0.5	0	0	0	0	1	0	75	0	X	40	T	0	80	0	2.5	75	80	SND	SND	0	5		1C	X			
Elm Creek	17535	07/23/99	20	0.2	0.2	0.2	7	8	0	10	0	60	30	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0	1	50	20	5	0	X	70	M	0	0	0	0	75	70	SND	SND	0	0			X	0	0	
Elm Creek	17535	07/23/99	40	0.1	0.2	0.2	6	9	0	15	0	50	35	0	0	0	X	0	0	0	0	0	1	0	0	0	0	1.5	55	15	10	0	X	90	M	0	0	0	0	75	75	BLD	BLD	0	0			X	0	0	
Elm Creek	17535	07/23/99	60	0.2	0.3	0.3	6	7	10	15	10	0	65	0	0	0	X	0	0	0	0	0	0.75	0	0	0	0	0.75	45	30	40	0	X	95	M	0	0	0	0	70	70	BLD	BLD	0	0			X	0	0	
Elm Creek	17535	07/23/99	80	0.4	0.4	0.4	7	0	30	65	5	0	0	0	0	0	0	X	X	0	0.5	0	0.75	0.5	0	0	0	1	30	0	5	0	X	95	M	0	0	0	0	80	70	SND	SND	0	0			X	0	0	
Elm Creek	17535	07/23/99	100	0.5	0.4	0.5	10	10	20	80	0	0	0	0	0	0	0	X	0	0	0.75	0.5	0.5	0	0	0	0	2	1	0	5	0	X	90	G	0	0	0	0	80	80	SND	SND	0	0			X	0	0	
Elm Creek	17535	07/23/99	120	0.8	0.8	0.6	10	10	30	50	0	0	0	20	0	0	0	X	0	0	0.75	0.5	0	0	0	0	0	2.5	1.5	0	0	0	X	90	G	0	0	0	0	80	80	HPC	HPC	0	0			X	0	0	
Elm Creek	17535	07/23/99	140	0.6	0.6	0.6	10	10	20	40	0	0	0	40	0	0	0	X	0	0	0.5	0.75	1	0	0.75	0	0	1.5	1	0	5	0	X	95	G	0	0	0	0	85	80	HPC	HPC	0	0			X	0	0	
Elm Creek	17535	07/23/99	160	0.5	0.6	0.6	9	10	70	0	0	0	0	30	0	0	0	X	0	0	1	0	0.75	0.5	0.5	0	0	2	0	0	15	0	X	95	M	0	0	0	0	85	85	HPC	HPC	5	0	1B		X	0	0	
Elm Creek	17535	07/23/99	180	0.2	0.5	0.6	10	11	20	75	0	0	0	0	0	5	0	X	0	0	0	0	0.5	0	0.5	0	0	0	0.5	0	65	0	X	60	T	70	80	0.5	3.5	80	85	HPC	HPC	10	0	1B		X	0	0	
Elm Creek	17535	07/23/99	200	0.5	0.7	0.8	10	10	25	60	0	0	0	0	10	5	0	X	0	0	0.75	0.5	0.5	0.5	0	0	0	1	0	0	50	0	X	65	T	0	80	0	3.5	80	80	HPC	HPC	5	0	1B		X	0	0	
Elm Creek	17535	07/23/99	220	1	0.9	0.8	9	9	40	40	0	0	0	0	0	20	0	X	0	0	0.5	0.75	1.5	0.5	0	0	0	0.75	0	0	25	0	X	70	M	10	30	1.5	1.5	85	80	HPC	HPC	5	0	1B		X	0	0	
Elm Creek	17535	07/23/99	240	1	0.6	0.5	11	11	80	0	0	0	0	0	0	20	0	X	0	0	0.75	0	0.5	1	0	0	0	0.5	0	0	20	0	X	70	M	30	0	2.5	0	85	75	HPC	SND	10	0	1B		X	0	0	
Elm Creek	17535	07/23/99	260	0.4	0.4	0.5	12	12	5	80	0	0	0	0	0	15	0	X	0	0	0.5	0.5	1	0.5	0	0	0	1	0	0	20	0	X	80	M	0	0	0	0	80	75	HPC	SND	0	0			X	0	0	
Elm Creek	17535	07/23/99	280	0.2	0.5	0.5	12	12	10	80	0	0	0	0	10	0	0	X	0	0	0	2.5	1	0	0	0	0	0	0	0	35	0	X	55	M	25	75	1.5	2.5	80	85	HPC	HPC	0	0			X	0	0	
Elm Creek	17535	07/23/99	300	0.4	0.6	0.7	10	10	5	85	0	0	0	0	0	10	0	X	0	0	0.5	3.5	1	0.5	0	0	0	0.5	0	0	30	0	X	60	M	0	80	0	3	80	85	HPC	HPC	12	0	1B		X	0	0	
Elm Creek	17535	07/23/99	320	0.8	0.8	0.6	10	10	5	65	0	0	0	0	0	30	0	X	0	0	0	0.5	3.5	0.5	0	0	0	0	1	0	65	0	X	75	M	100	0	0.5	0	80	85	HPC	HPC	12	0	1B		X	0	0	
Elm Creek	17535	07/23/99	340	1	1	0.8	10	10	5	60	0	0	0	0	0	35	0	X	0	0	0	1	0.5	0.5	0	0	0	0.5	1	0	70	0	X	70	M	50	0	2	0	80	75	HPC	SND	10	0	1B		X	0	0	
Elm Creek	17535	07/23/99	360	0.9	0.8	0.3	9	10	0	55	10	0	0	0	0	35	0	X	0	0	0	0.5	0.5	0.5	0.5	0	0	0.5	1.5	0	20	0	X	65	T	60	0	2	0	85	80	HPC	SND	10	5	1B	1B	X	0	0	
Elm Creek	17535	07/23/99	380	0.6	0.7	0.2	9	10	0	60	10	0	0	0	0	30	0	X	0	0	0	0.5	0.5	0	0.75	0	0	0	1.5	0	5	0	X	60	M	80	20	3	0.5	85	75	HPC	SND	0	5		1B	X	0	0	
Elm Creek	17535	07/23/99	400	0.8	0.8	0.4	10	11	5	70	15	0	0	0	0	10	0	X	0	0	0	1	0.5	0.5	0	0	0	0.5	2	0	70	X	X	60	T	100	0	3.5	0	85	75	HPC	SND	3	5	1B	1B	X	0	0	
Lagoon Creek	11947	08/04/98	20	0.3	0.3	0.2	8	12	10	85	0	0	0	0	5	0	0	X	0	0	1	1	1	0.5	0	0	0	0	2	0	35	X	X	80	T	40	45	0.5	0.5	75	75	SND	SND	40	30	2B	2B	X			
Lagoon Creek	11947	08/04/98	40	0.3	0.2	0.2	7	14	10	30	10	40	10	0	0	0	0	X	0	0	0	0	1	0	0	0	0	0.5	10	0	15	X	X	70	M	0	60	0	1	85	80	SND	SND	50	20	1C	1B	X			
Lagoon Creek	11947	08/04/98	60	0.1	0.1	0.1	1	18	5	5	10	70	0	0	10	0	0	X	0	0	0	1	5	1	0	0	0	0.25	45	0	70	X	X	65	M	25	50	1	2	85	90	SND	SND	50	20	1C	1C	X			
Lagoon Creek	11947	08/04/98	80	0.2	0.3	0.2	9	17	10	30	10	40	10	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	40	0	25	X	X	70	M	0	20	0	1	85	85	SND	SND	50	30	1C	1C	X			
Lagoon Creek	11947	08/04/98	100	0.1	0.1	0.1	1	16	10	10	10	70	0	0	0	0	0	0	X	0	0	0	0.25	0	0	0	0	0	40	0	10	X	X	70	G	40	30	1	1	70	60	SND	SND	50	30	1C	1C	X			
Lagoon Creek	11947	08/04/98	120	0.1	0	0.1	4	19	10	10	0	80	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	10	X	X	80	M	40	50	1	2	75	80	SND	BLD/SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	140	0.1	0.3	0.1	6	18	5	10	10	25	50	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	5	X	X	85	M	0	20	0	1	80	90	SND	BLD/SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	160	0.3	0.5	0.3	10	25	10	30	5	25	30	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	60	0	5	X	X	60	M	0	40	0	0.5	65	70	SND	SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	180	0.2	0.5	0.4	7	18	5	10	5	10	10	60	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	5	X	X	80	M	0	30	0	0.5	65	80	SND	BLD/SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	200	0.5	0.5	0.5	5	10	5	5	5	5	0	80	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	20	0	0	80	M	0	0	0	0	80	85	CBL/GRV	BRK	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	220	0.1	0.1	0.1	2	18	0	5	5	30	0	60	0	0	0	X	0	0	0	0	0	0	0	0	0	0	40	0	30	X	X	70	M	0	0	0	0	65	70	CBL/GRV	BRK	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	240	0.4	0.5	0.5	7	19	5	10	0	0	0	85	0	0	0	X	0	0	0	0	0	0.5	1	0	0	0	35	0	5	X	X	60	M	0	0	0	0	80	75	SND	SND/GVL	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	260	0.4	0.5	0.4	10	12	10	20	0	0	0	70	0	0	0	X	0	0	0	0	0	0	5	0	0	0	15	0	5	X	X	60	M	75	20	1.5	0.5	80	75	BRK/HPC	BLD/SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	280	0.1	0.1	0.2	10	18	10	0	0	0	10	80	0	0	0	X	0	0	0	0	0	0	5	0	0	0	10	0	5	0	0	60	M	95	40	1	1	60	85	HPC	BLD/SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	300	0.2	0.5	0.3	8	18	0	0	0	10	10	80	0	0	0	X	0	0	0	0	0	0	3	0	0	0	40	0	10	X	X	50	M	0	70	0	1	60	85	BLD/SND	SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	320	0.1	0	0.2	6	14	5	5	0	10	0	80	0	0	0	X	0	0	0	0	0	0	5	0	0	0.5	35	0	5	X	X	65	M	0	30	0	1	60	85	BLD/SND	SND	50	50	1C	1C	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Lagoon Creek	11947	08/04/98	340	0.2	0.2	0.1	8	16	5	0	5	10	20	60	0	0	0	X	0	0	0	0	0	0	5	0	0	1	25	0	5	X	X	60	M	0	80	0	1	70	90	BLD/SND	SND	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	360	0.3	0.3	0.3	12	14	5	5	5	10	70	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	5	X	X	65	M	60	70	1	1	80	70	HPC	HPC	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	380	0.7	0.7	0.7	14	16	5	5	0	0	90	0	0	0	0	X	0	0	1	0.5	0.5	1	0	0	0	0	5	0	15	X	X	85	M	5	20	0.25	0.5	85	90	HPC	HPC	50	50	1C	1C	X			
Lagoon Creek	11947	08/04/98	400	1.1	1.3	1.1	15	17	80	10	0	0	0	0	10	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0.5	0	0	35	X	X	75	M	0	0	0	0	85	80	HPC	SND	50	50	2C	2C	X			
Buckeye Creek	11869	08/05/98	20	0.1	0.1	0.1	2	6	3	95	0	0	0	0	2	0	0	0	X	0	0	0.5	0.5	0	0	0	0	0	0	0	20	X	X	65	M	0	20	0	0.5	60	85	SND	SND	50	50	1B	1B	X			
Buckeye Creek	11869	08/05/98	40	0.3	0.3	0.2	4	8	2	95	0	0	0	0	3	0	0	X	0	0	0	0	0.25	0	1	0	0	0	0	0	30	X	X	50	M	0	0	0	0	70	90	SND	SND	50	50	1B	1B	X			
Buckeye Creek	11869	08/05/98	60	0.4	0.6	0.2	8	9	2	90	0	0	0	0	8	0	0	X	0	0	0	0.25	0.5	0	0	0	0	0	0	0	70	X	X	60	M	10	0	1.5	0	85	85	SND	SND	50	50	1B	1B	X			
Buckeye Creek	11869	08/05/98	80	0.5	0.5	0.2	2	8	5	80	0	0	0	0	0	15	0	X	0	0	0	0	0.5	0.5	0	0	0	0	0	0	30	X	X	65	M	50	10	1.5	0.5	85	85	SND	SND	50	50	1B	1B	X			
Buckeye Creek	11869	08/05/98	100	0.4	0.4	0.2	4	10	5	75	0	0	0	0	0	20	0	X	0	0	0	0	0.25	0	1	0	0	0	0	0	15	X	X	55	M	70	20	2	1	85	70	SND	SND	50	50	2C	1B	X			
Buckeye Creek	11869	08/05/98	120	0.7	0.6	0.4	5	8	5	85	0	0	0	0	0	10	0	X	0	0	0	0	0.5	0.25	1	0	0	0	0	0	30	X	X	40	M	100	10	2.5	0.5	90	65	HPC	SND	50	50	2C	1B	X			
Buckeye Creek	11869	08/05/98	140	0.5	0.7	0.3	5	10	5	85	0	0	0	0	0	10	0	X	0	0	0	0	0.25	0	0.5	0	0	0	0	0	85	X	X	15	M	85	60	2.5	1	90	70	HPC	SND	50	50	1C	1B	X			
Buckeye Creek	11869	08/05/98	160	0.1	0.1	0.1	4	12	3	95	0	0	0	0	0	2	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	70	X	X	30	M	0	10	0	0.5	65	70	SND	SND	50	50	1C	1B	X			
Buckeye Creek	11869	08/05/98	180	0.1	0.1	0.1	4	12	3	95	0	0	0	0	0	2	0	0	X	0	0	0.25	0.5	0.5	0	0	0	0	0	0	60	X	X	30	M	0	30	0	1	50	85	SND	SND	50	50	1C	1C		10		
Buckeye Creek	11869	08/05/98	200	0.1	0.1	0.1	2	10	2	95	0	0	0	0	0	3	0	0	X	0	0	0	0.25	0	0	0	0	0	0	0	40	X	X	40	M	0	40	0	0.5	45	90	SND	SND	50	50	1C	1B	X			
Buckeye Creek	11869	08/05/98	220	0.9	1.3	1.5	7	12	2	95	0	0	0	0	0	3	0	X	0	0	0	1	2	0	0	0	0	0	0	0	20	X	X	40	M	10	80	1.5	3	70	90	SND	SND	50	50	1C	1B	X			
Buckeye Creek	11869	08/05/98	240	0.4	0.5	0.5	5	8	3	95	0	0	0	0	0	2	0	X	0	0	0.5	0.25	0.5	0.5	0	0	0	0	0	0	15	X	X	25	M	0	90	0	2	70	90	SND	SND	50	50	1C	1B		15		
Buckeye Creek	11869	08/05/98	260	0.1	0.2	0.2	4	10	5	90	0	0	0	0	0	5	0	X	0	0	0	0.5	0.25	0.25	0	0	0	0	0	0	10	X	X	20	M	0	40	0	1	65	85	SND	SND	50	50	1C	1C		15		2
Buckeye Creek	11869	08/05/98	280	0.2	0.3	0.2	2	11	10	85	0	0	0	0	0	5	0	X	0	0	0	0.5	0.25	0	0	0	0	0	0	0	20	X	X	70	M	5	10	0.5	0.5	80	75	SND	SND	50	50	1C	1C	X			
Buckeye Creek	11869	08/05/98	300	0.1	0.1	0.1	3	11	5	90	0	0	0	0	0	5	0	0	X	0	0	0.25	0.25	0	0	0	0	0.25	0	0	0	X	X	50	M	75	10	1.5	0.5	80	40	SND	SND	50	50	1C	1C	X			
Buckeye Creek	11869	08/05/98	320	0.1	0.1	0.1	5	13	5	85	0	0	0	0	0	10	0	0	X	0	0	0.25	0.25	0.25	0	0	0	0	0	0	5	X	X	60	M	70	20	1	0.5	85	60	SND	SND	50	50	1C	1C	X			
Buckeye Creek	11869	08/05/98	340	0.7	2	2	10	11	5	90	0	0	0	0	0	5	0	X	0	0	0	0.5	0.5	1	0	0	0	0	0	0	20	X	X	50	M	0	80	0	2	75	90	SND	SND	50	50	1C	1C	X			
Buckeye Creek	11869	08/05/98	360	0.5	0.6	0.7	6	8	10	85	0	0	0	0	0	5	0	X	0	0	0.5	0.25	0.25	0.5	0	0	0	0.25	0	0	30	X	X	45	M	0	40	0	1	75	85	SND	SND	50	50	1C	1C	X			
Buckeye Creek	11869	08/05/98	380	0.1	0.1	0.2	7	12	10	80	0	0	0	0	0	10	0	X	0	0	0.25	0.25	0.25	0	0	0	0	0.25	0	0	10	X	X	65	M	0	0	0	0	75	60	SND	SND	50	50	1C	1C	X			
Buckeye Creek	11869	08/05/98	400	0.1	0.1	0.1	6	12	10	85	0	0	0	0	0	5	0	0	X	0	0	1	1	0	0	0	0	0	0	0	15	X	X	60	M	30	10	1.5	0.5	80	40	SND	SND	50	50	1C	1C	X			
Euchee Creek	11917	08/13/98	20	0.1	0.1	0.1	9	11	0	0	0	0	0	95	5	0	0	X	0	0	0	0.5	0.5	0	1	0	1.5	0.75	2.5	0	15	0	X	70	M	0	0	0	0	75	70	HPC	BLD	0	0			X			
Euchee Creek	11917	08/13/98	40	0.1	0.2	0.2	14	15	5	10	0	65	5	15	0	0	0	X	0	0	0	0.5	0.75	0	1.5	0	0	0.75	20	0	20	0	X	80	M	0	0	0	0	80	80	SND	SND	12	0	1C		X			
Euchee Creek	11917	08/13/98	60	0.7	0.7	0.7	16	16	15	10	0	0	0	75	0	0	0	X	0	0	0	0.5	0.5	0	0.75	0	0	0.5	3	0	15	0	X	70	M	5	5	1	1	80	85	SND	SND	15	2	1C	1C	X			
Euchee Creek	11917	08/13/98	80	0.4	0.5	0.4	14	14	10	10	0	0	0	80	0	0	0	X	0	0	0.5	0	1	0	0.5	0	0	1	0.5	0	10	0	X	65	M	0	10	0	1	80	85	SND	SND	15	2	1C	1C	X			
Euchee Creek	11917	08/13/98	100	0.6	1	1.5	15	16	10	5	0	70	10	0	5	0	0	X	0	0	0	1.5	0.5	0	0	0	0	0.5	15	0	10	0	X	85	M	0	0	0	0	70	75	SND	SND	17	2	1C	1C	X			
Euchee Creek	11917	08/13/98	120	1	1.5	1.5	20	20	15	60	0	0	0	0	15	10	0	X	0	0	0	2	1	0	1	0	0	1	0.5	0	5	0	X	90	M	0	0	0	0	70	85	SND	SND	15	0	1C		X			
Euchee Creek	11917	08/13/98	140	1	1.2	1.1	21	21	25	50	0	10	0	0	15	0	0	X	0	0	0	1.5	0.5	0	0.5	0	0	0.25	4	0	20	0	X	75	M	0	10	0	2	75	85	SND	HPC	15	0	1C		X			
Euchee Creek	11917	08/13/98	160	0.8	1.1	1.1	18	19	15	50	0	25	0	0	10	0	0	X	0	0	0	3	1.5	0.5	0	0	0	0.5	18	0	10	0	X	75	M	0	50	0	2	75	80	SND	HPC	20	0	1C		X			
Euchee Creek	11917	08/13/98	180	0.1	0.2	0.1	5	22	10	15	40	15	0	0	20	0	0	X	0	0	0.5	1.5	1.5	0.5	0	0	0	0.25	25	0	30	X	X	50	T	5	100	1	2	75	80	SND	HPC	20	2	1C	1C	X			
Euchee Creek	11917	08/13/98	200	0.2	0.2	0.1	5	8	85	0	0	0	0	10	5	0	0	X	0	0	0.5	0.5	0.75	0.25	0.5	0	0	0.5	3	0	35	X	X	60	M	5	0	1	0	80	50	SND	SND	10	7	1C	1C	X			
Euchee Creek	11917	08/13/98	220	0.3	0.6	0.4	15	16	80	0	0	0	0	15	5	0	0	X	0	0	0	0	0.75	0.5	0.5	0	0	0.25	0.5	0	25	X	X	80	M	15	0	2	0	80	60	SND	SND	3	8	1C	1C	X			
Euchee Creek	11917	08/13/98	240	0.2	0	0.1	7	16	15	65	0	0	0	0	15	5	0	X	0	0	0	0	0.5	0.5	0	0	0	0.25	0.5	0	5	X	X	70	M	75	0	2.5	0	85	70	SND	SND	0	6		1C	X			
Euchee Creek	11917	08/13/98	260	0.1	0.1	0.1	6	9	10	0	0	0	0	85	5	0	X	0	0	0	0	0.5	0.5	0	0.75	0	0	0.5	0	15	10	X	X	80	M	75	0	2	0	85	60	SND	SND	0	5		1C	X			
Euchee Creek	11917	08/13/98	280	0.1	0.2	0.1	4	9	5	0	0	0	0	90	5	0	0	0	X	0	0	1	0.5	0	0.75	0	0	0.75	3	0	5	X	X	90	M	0	0	0	0	75	65	SND	SND	7	15	2B	1C	X			
Euchee Creek	11917	08/13/98	300	0.3	0.2	0.1	6	10	10	30	0	0	0	55	5	0	0	X	0	0	0.15	0.5	0.5	0	0.5	0	0.75	1	1.5	0	15	X	X	90	M	0	0	0	0	80	70	SND	SND	6	15	2B	1C	X			
Euchee Creek	11917	08/13/98	320	0.1	0.1	0.1	5	22	5	0	30	0	0	60	5	0	0	0	X	0	0	0	0	0.25	0.75	0	0.5	0.75	7	0	15	X	X	95	M	0	0	0	0	80	70	SND	SND	6	16	2B	1C	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Euchee Creek	11917	08/13/98	340	0.2	0.2	0.2	5	21	10	0	0	0	0	80	10	0	0	X	0	0	0.5	0	0	0.25	0.5	0	0	1	2.5	0	10	X	X	95	M	0	0	0	0	80	70	SND	SND	5	20	2B	1C	X			
Euchee Creek	11917	08/13/98	360	0.3	0.3	0.3	4	20	5	0	15	0	0	70	10	0	0	X	0	0	0	0	0.75	1	3	0	0	0.75	2	0	25	X	X	90	M	0	0	0	0	80	65	SND	SND	7	22	1C	1C	X			
Euchee Creek	11917	08/13/98	380	0.1	0.1	0.1	14	20	10	0	0	0	0	85	5	0	0	X	0	0	0.5	0	0.5	0.25	0.75	0	0	0.75	1	0	5	X	X	80	M	0	50	0	2	75	75	SND	SND	5	15	1C	1C	X			
Euchee Creek	11917	08/13/98	400	0.1	0.1	0.1	3	25	5	10	0	65	20	0	0	0	X	0	0	0	0	0	0.5	0.5	3	0	0	1	35	5	10	X	X	90	M	5	5	1.5	1.5	75	80	SND	SND	15	10	1C	1C	X			
Council Creek	17316	09/28/98	20	0.1	0.1	0.2	5	9	5	90	0	0	0	0	5	0	0	X	0	0	0.5	1.5	1	0.5	0	0	0.25	0.5	15	0	35	X	X	15	G	17	17	1	1	55	60	SND	SND	20	20	1A	1A	X			
Council Creek	17316	09/28/98	40	0.2	0.2	0.3	5	10	0	85	10	0	0	0	5	0	0	X	0	0	0	0	0.25	0	0	0	0	0.25	3	0	2	X	X	17	M	20	3	0.75	0.25	50	55	SND	SND	25	30	1A	1A	X			
Council Creek	17316	09/28/98	60	0.3	0.7	0.4	5	11	0	85	0	0	0	0	5	10	0	X	0	0	0.5	0	0.5	0.25	0	0	0	1	5	0	10	X	0	15	M	12	5	0.5	0.25	55	60	SND	SND	30	30	1B	1A	X			
Council Creek	17316	09/28/98	80	0.1	0.1	0.1	1.5	9	2	95	0	0	0	0	3	0	0	0	X	0	0.25	0.25	0.5	0	0	0	0	0	5	0	15	X	X	17	M	10	30	0.5	1.5	55	70	SND	SND	50	32	1B	1A	X			
Council Creek	17316	09/28/98	100	0.1	0.1	0.1	3	11	5	90	0	0	0	0	5	0	0	X	X	0	0	0	0.25	0	0	0	0	1	2	0	12	X	X	20	M	15	30	0.25	2	60	70	CLY/SND	SND	40	35	1B	1A	X			
Council Creek	17316	09/28/98	120	0.1	0.1	0.1	3	9	2	85	10	0	0	0	3	0	0	X	0	0	0.25	0	0.25	0	0	0	0	0.25	3	0	20	X	X	25	M	10	100	0.25	1	65	75	CLY/SND	SND	27	30	1B	1B	X			
Council Creek	17316	09/28/98	140	0.1	0.1	0.1	3	11	3	75	17	0	0	0	5	0	0	X	0	0	0	0	0.25	0	0	0	0	0.25	20	0	30	X	X	25	M	17	100	0.5	2	60	70	SND	SND	20	17	1B	1B	X			
Council Creek	17316	09/28/98	160	0.1	0.1	0.1	3	8	3	90	0	0	0	0	7	0	0	X	0	0	0	0.25	0.5	0	0	0	0	0.25	2	0	10	X	X	30	M	15	100	1.5	4	65	65	SND	SND	15	7	1C	1C		50	1	1
Council Creek	17316	09/28/98	180	0.1	0.1	0.1	5	8	2	95	0	0	0	0	3	0	0	X	0	0	0.5	0.5	0.5	0	0	0	0	0.25	1	0	25	X	X	30	M	12	70	0.5	2	70	65	SND	SND	15	15	1C	1C		10		1
Council Creek	17316	09/28/98	200	0.1	0.1	0.2	2.5	10	0	73	0	0	0	0	2	25	0	X	0	0	0.5	0	0.25	0.25	0	0	0	0.25	0	0	27	X	X	35	M	10	95	0.25	2	60	70	SND	SND	17	12	1C	1C		15		1
Council Creek	17316	09/28/98	220	0.1	0.1	0.1	4	12	10	80	5	0	0	0	5	0	0	X	0	0	0.25	0.75	0.25	0.25	0	0	0	0	0.5	0	85	X	X	40	M	20	100	0.5	3	57	80	SND	SND	17	17	1C	1C		10		2
Council Creek	17316	09/28/98	240	0.1	0.1	0.2	2.5	9	0	60	37	0	0	0	3	0	0	X	0	0	0	1.5	2.5	0	0.25	0	0	0.25	7	0	70	X	X	23	M	25	65	0.5	1	60	70	SND	SND	17	12	1C	1C	X			
Council Creek	17316	09/28/98	260	0.2	0.2	0.1	5	10	5	65	0	0	0	0	30	0	0	X	0	0	0.25	4	5	0.25	0	0	0	0.5	0	0	65	X	X	17	M	40	35	0.5	0.5	60	58	SND	SND	13	17	1B	1B		10		2
Council Creek	17316	09/28/98	280	0.1	0.1	0.1	3	11	0	95	0	0	0	0	5	0	0	0	X	0	0	2	1	3	0	0	0	0.25	3	0	45	X	X	12	M	15	20	0.25	0.5	50	65	SND	SND	15	15	1B	1B		12		
Council Creek	17316	09/28/98	300	0.1	0.1	0.1	1.5	12	0	92	0	0	0	0	3	5	0	0	X	0	0	0	1	0.25	0	0	0	0	0	0	90	X	X	55	M	60	80	1	1.5	75	70	SND/HPC	SND	17	20	1B	1B				1
Council Creek	17316	09/28/98	320	0.1	0.1	0.1	4	10	5	75	10	0	0	0	5	5	0	X	0	0	0	0	0.25	0	0.25	0	0	0	20	0	85	X	X	60	M	95	60	2.5	0.75	75	65	SND/HPC	SND	10	17	1C	1B	X			
Council Creek	17316	09/28/98	340	0.1	0.2	0.1	2	12	3	90	2	0	0	0	5	0	0	X	0	0	0	0.25	0.5	0	0.5	0	0	0	3	0	75	X	X	60	T	100	15	3	0.25	75	60	CLY/SND	SND	10	20	1C	1C	X			
Council Creek	17316	09/28/98	360	0.1	0.2	0.1	5	9	5	90	0	0	0	0	5	0	0	X	0	0	0	0	0.25	0	0	0	0	0.25	0	0	90	X	X	30	T	80	20	1.5	0.75	70	70	CLY/SND	SND	10	25	1B	1C		10		1
Council Creek	17316	09/28/98	380	0.1	0.1	0.1	5	10	2	90	0	0	0	0	3	5	0	X	0	0	0	4	1.5	0.25	0.25	0	0.5	0.25	1.5	0	50	X	X	30	M	80	35	1	0.5	67	70	CLY	SND	13	30	1B	1B	X			
Council Creek	17316	09/28/98	400	0.1	0.2	0.1	3	11	2	50	10	0	0	0	3	35	0	X	0	0	0.25	0	0.25	0	3	0	0	1	1.5	0	5	X	X	15	M	25	10	0.5	0.25	60	65	CLY/SND	SND	17	30	1B	1B	X			
Doga Creek	11904	09/22/98	20	0.2	0.1	0.2	6	8	5	15	60	10	0	0	10	0	0	X	0	0	0	1.5	0.5	0.25	0	0.25	5	0.25	85	0	65	X	X	25	M	30	20	1	1.5	75	70	SND/SLT	SND/BLD	20	15	1B	1B		5		
Doga Creek	11904	09/22/98	40	0.3	0.8	0.4	8	10	5	20	40	10	0	0	10	15	0	X	0	0	0.25	0	0.5	1	2	0	0	0.25	65	0	37	0	X	27	S	35	20	1.5	2	82	75	CLY	SND/Si	12	15	2B	1B		5	1	
Doga Creek	11904	09/22/98	60	0.1	0.7	0.5	6.5	9	15	30	30	5	0	0	5	15	0	X	0	0	3	0.5	0.5	1.5	2	0	0.5	0	55	0	55	X	X	35	M	70	15	3	0.5	90	70	CLY/GRV	SND/Si	30	17	1B	1B	X			
Doga Creek	11904	09/22/98	80	0.2	0.2	0.2	5	11	5	30	75	5	0	0	5	10	0	X	0	0	0.25	1	0.25	0	0.5	0	5	0	75	0	30	X	X	50	M	100	20	4	1	85	55	CLY	SND	17	15	2B	1B		10	2	
Doga Creek	11904	09/22/98	100	0.1	0.1	0.1	3	10	0	15	40	30	5	0	10	0	X	0	X	0	0	0.5	0.25	0	0	0	7	0	70	10	55	X	X	40	M	100	10	3	0.5	70	55	SND	SND	12	25	1B	1B	X			
Doga Creek	11904	09/22/98	120	0.7	0.8	0.3	6	9	5	15	25	15	30	10	5	0	0	X	0	0	0	0.5	0	0	3	0	5	0	85	0	10	X	0	30	M	30	30	1	2	65	70	SND/CLY	SND	10	10	2B	1B		5	1	
Doga Creek	11904	09/22/98	140	0.1	0.2	0.1	4	10	0	5	40	30	20	5	0	0	X	0	X	0	0	0	0.25	0	7	0	0.5	0	90	12	10	X	X	47	M	100	80	1.7	1.5	85	70	SND/CLY	SND/GVL	12	5	1B	2C		5		1
Doga Creek	11904	09/22/98	160	0.4	0.4	0.2	7	9	5	20	50	15	0	0	5	5	0	X	0	0	0	0	1	0.25	0.25	0	0	0.25	70	0	25	0	0	35	M	75	90	3	2	80	60	SND/CLY	SND	7	12	1B	1C		15	1	3
Doga Creek	11904	09/22/98	180	0.1	0.1	0.1	4	12	0	15	60	20	5	0	0	0	X	X	0	0	0	0	0.5	0	0	0	1.5	3	65	7	27	X	X	35	M	60	25	1	0.5	75	40	SND/CLY	SND/GVL	12	17	1B	1C		5	1	1
Doga Creek	11904	09/22/98	200	0.2	0.2	0.2	5.5	7.5	5	15	35	20	20	0	5	0	0	X	0	0	2	0.5	0.5	0	3	0	0.25	0.25	70	0	65	X	X	25	T	70	15	0.5	1.5	70	65	SND	SND/BLD	12	20	1C	1C		17	2	2
Doga Creek	11904	09/22/98	220	0.1	0.2	0.2	5	11	0	5	15	60	15	0	5	0	0	X	0	0	0.5	0	0.5	0.25	2	0	1	1.5	85	0	65	X	0	17	M	50	5	1	0.25	67	65	SND	SND/BLD	12	15	1C	1B	X			
Doga Creek	11904	09/22/98	240	0.3	0.2	0.2	9	10	5	10	30	30	20	0	5	0	0	X	0	0	0.25	0	0.25	0.25	0.25	0	0.25	0	75	0	55	X	0	25	M	55	20	2	0.25	67	65	SND/GVL	SND	13	20	1B	1B	X			
Doga Creek	11904	09/22/98	260	0.1	0.1	0.1	3	8	0	0	15	70	10	0	5	0	X	0	0	0	0	0	0.25	0.25	0.5	0	4	0.25	85	5	27	X	X	20	S	30	15	1	0.25	55	67	SND	SND/BLD	15	25	1B	1B	X			
Doga Creek	11904	09/22/98	280	0.2	0.6	0.8	5	6	5	15	50	10	0	5	5	10	0	X	0	0	2	0	1	0.5	3	0	0	0.5	80	0	45	0	0	15	S	20	15	0.5	0.5	57	55	SND	CLY	35	25	1B	1A	X			
Doga Creek	11904	09/22/98	300	0.1	0.3	0.4	5	10	10	25	50	0	0	0	10	5	0	X	0	0	1.5	0	1.5	0.25	0	0	0	2	65	0	20	0	X	17	S	10	50	0.25	5	60	70	SND	SND/CLY	25	15	1B	1C		30	2	
Doga Creek	11904	09/22/98	320	0.4	1	0.2	10	13	25	15	45	5	0	0	10	0	0	X	0	0	0	2	0.5	3	1	0	0	0.5	45	0	17	X	0	40	M	10	100	0.25	6	45	80	SND	SND	50	35	1B	1B		5	1	1

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Doga Creek	11904	09/22/98	340	0.4	0.7	0.8	8.5	10	15	35	40	5	0	0	5	0	0	X	0	0	0	2	1	0.25	3	0	0	0.5	40	0	27	0	0	37	M	20	100	0.5	4	65	85	SND	SND/Si	35	30	1B	1B		10		1
Doga Creek	11904	09/22/98	360	0.7	1.6	1	8	8.5	30	10	20	10	10	0	0	10	0	X	0	0	2	1	1	0.25	0	0	0	0.25	30	0	20	0	0	17	S	35	20	1.5	0.5	75	75	HPC	SND/HPC	25	40	1B	1A				2
Doga Creek	11904	09/22/98	380	0.5	0.9	0.5	6	10	10	5	40	10	0	0	5	30	0	X	0	0	1	0.25	0.25	0.5	3	0	0	0.5	38	0	17	X	0	20	S	80	10	1.5	0.25	85	70	HPC	SND	30	35	1B	1B	X			
Doga Creek	11904	09/22/98	400	0.4	0.6	0.5	4	12	0	20	45	10	0	20	5	0	0	X	0	0	0	1	2	3	3	0	0	0.25	55	0	20	X	X	30	M	100	15	3	0.5	85	60	HPC	SND/BLD	25	35	1A	1B	X			
Camp Creek	11873	09/11/98	20	0.3	0.2	0.2	7	15	15	50	10	15	0	0	10	0	0	X	0	0	0	0	0.5	0	0	15	0	0	2	0	10	X	X	50	M	0	0	0	0	75	70	SND	SND	15	15	1C	1C		30	2	6
Camp Creek	11873	09/11/98	40	0.1	0.2	0.1	5	20	10	45	25	10	0	0	10	0	0	X	0	0	0	0.5	0.5	0	0	12	0	0.5	7	0	5	X	X	40	M	0	10	0	1.5	80	65	SND	SND	20	20	1C	1C		10		
Camp Creek	11873	09/11/98	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	0	0	0.75	1	2	0.5	0	0	0	0.5	3.5	0	20	X	X	60	M	0	10	0	2	65	80	SND	SND	20	10	1C	1C	X			
Camp Creek	11873	09/11/98	80	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	60	M	0	10	0	1.5	65	80	SND	SND	15	10	1C	1C		15		1
Camp Creek	11873	09/11/98	100	0.1	0.2	0.1	3	10	20	0	10	60	0	10	0	0	0	X	0	0	0	0	0	0.5	0	0.5	0	0	2.5	0	30	X	X	65	M	10	0	1	0	85	80	SND	SND	10	20	1C	1C				1
Camp Creek	11873	09/11/98	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.25	0.5	0	1	0	0	0	3	0	15	X	X	65	M	20	15	2	1.5	85	75	SND	SND	5	10	1C	1C				1
Camp Creek	11873	09/11/98	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	70	M	0	0	0	0	85	75	SND	SND	10	20	1C	1C	X			
Camp Creek	11873	09/11/98	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75	M	10	0	1	0	85	70	SND	SND	15	15	1C	1C	X			
Camp Creek	11873	09/11/98	180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	M	10	15	1	2	85	75	BLD/SND	SND	5	10	1C	1C	X			
Camp Creek	11873	09/11/98	200	0.1	0.2	0.1	2	15	0	0	10	10	0	70	10	0	0	X	0	0	0	0.5	0.5	0	1	0	0	0	3	0	35	X	X	85	M	0	30	0	2	90	75	BRK	SND	0	0			X			
Camp Creek	11873	09/11/98	220	0.1	0.2	0.1	3	14	0	0	10	15	5	65	5	0	0	X	0	0	0	0	0	0	2	0	0	0	25	0	15	X	X	85	M	0	20	0	1	85	70	BRK	SND	0	2		1C				1
Camp Creek	11873	09/11/98	240	0.2	0.2	0.2	5	12	0	0	0	0	0	95	5	0	0	X	0	0	0	0	0	0	0	0	0	0	20	0	5	X	X	70	M	0	0	0	0	85	70	BRK	SND	5	5	1C	1C	X			
Camp Creek	11873	09/11/98	260	0.1	0.1	0.1	6	14	15	5	0	50	20	0	10	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	10	X	X	85	M	20	0	1	0	90	70	SND	SND	5	3	1C	1C		15		1
Camp Creek	11873	09/11/98	280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0	10	0	40	X	X	70	M	10	0	1	0	85	70	SND	SND	5	0	1C			25	3	4
Camp Creek	11873	09/11/98	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0.5	0	0	0	0	30	0	80	X	X	85	M	0	0	0	0	85	60	SND	SND	0	0			X			
Camp Creek	11873	09/11/98	320	0.3	0.3	0.3	6	10	0	10	0	0	0	85	5	0	0	X	0	0	0	0	0.5	0.5	0	0	0	0	15	0	50	X	X	80	M	10	30	0.5	2	85	85	SND	SND	0	0			X			
Camp Creek	11873	09/11/98	340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0	0	0	0	5	0	40	X	X	70	M	10	20	1	3	80	85	SND	SND	0	0			X			
Camp Creek	11873	09/11/98	360	0.3	0.3	0.2	7	12	0	0	0	5	0	80	15	0	0	X	0	0	0	0	0.5	0.5	0	2	0	0	5	0	20	X	X	65	M	0	0	0	0	60	85	SND	SND	0	0			X			
Camp Creek	11873	09/11/98	380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0	0	1	0	10	0	25	X	X	80	M	0	0	0	0	65	85	SND	SND	0	0			X			
Camp Creek	11873	09/11/98	400	0.3	0.3	0.2	4	10	0	0	0	0	0	85	15	0	0	X	0	0	0	0	0	0.5	0	0	0	0	3	0	5	X	X	85	M	0	0	0	0	60	85	SND	SND	0	0			X			
North Bird Creek	17324	02-Sep-98	20	1.1	1.5	0.6	8	16	15	5	40	20	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	O	100	0	3	0	70	30	CLY	SND/GVL	50	0	1B	2B		20	3	1
North Bird Creek	17324	02-Sep-98	40	0.8	0.9	0.6	6	17	10	5	35	25	0	0	0	25	0	X	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	30	T	100	0	3	0	70	40	CLY	Si&C	50	50	1B	1B		20	2	1
North Bird Creek	17324	02-Sep-98	60	0.2	0.6	0.5	6	17	10	5	10	25	0	0	0	50	0	X	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	50	T	100	0	3	0	75	40	CLY	Si&C	50	50	1B	1B	0			2
North Bird Creek	17324	02-Sep-98	80	0.3	0.5	0.2	7	17	5	0	20	40	25	0	0	10	0	X	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	50	T	90	0	3	0	75	35	CLY	Si&C	45	50	1B	1B	X			
North Bird Creek	17324	02-Sep-98	100	0.3	0.6	0.6	8	16	5	0	20	30	0	0	0	45	0	X	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	50	S	50	50	3	2.2	70	70	SI&C	Si&C	40	50	1B	1B	X			
North Bird Creek	17324	02-Sep-98	120	0.1	0.2	0.1	11	13	20	10	20	30	10	0	0	10	0	X	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	60	M	0	0	0	0	70	80	SI&C	Si&C	35	45	1B	1B	X			
North Bird Creek	17324	02-Sep-98	140	0	0	0	0	18	0	0	20	80	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	50	M	0	80	0	1.5	60	85	SI&C	Si&C	30	35	1B	1B	X			
North Bird Creek	17324	02-Sep-98	160	0.5	0.9	1	8	20	5	5	20	40	0	0	0	30	0	X	0	0	0	0	0	0	0	0	0	0	25	0	10	0	0	50	M	0	100	0	1.7	50	90	SI&C	CLY	25	30	1B	1B	X			
North Bird Creek	17324	02-Sep-98	180	0.4	0.9	1.4	8	18	75	0	0	0	0	0	0	25	0	X	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	50	M	0	100	0	2	45	90	SI&C	CLY	20	25	1B	1B	X			
North Bird Creek	17324	02-Sep-98	200	0.2	0.7	0.9	5	20	0	0	10	75	10	0	0	5	0	X	0	0	0.5	0	0	0	0	0	0	0	40	0	0	0	0	50	M	0	100	0	4	30	85	SI&C	CLY	25	15	1B	2B	X			
North Bird Creek	17324	02-Sep-98	220	0.1	0.2	0.1	5	15	0	10	20	60	10	0	0	0	0	X	0	0	0	0.5	0	0	0	0	0	0	60	0	0	0	0	60	M	0	85	0	4	30	80	SI&C	CLY/BLD	35	10	2B	2B	X			
North Bird Creek	17324	02-Sep-98	240	0.2	0.2	0.2	4	12	0	10	10	60	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	80	M	0	0	0	0	40	80	SI&C	CLY/BLD	45	5	2B	2B	X			
North Bird Creek	17324	02-Sep-98	260	0.1	0.1	0.1	1	12	0	5	10	55	30	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	80	0	0	0	0	75	M	0	25	0	2	45	85	SI&C	CLY/BLD	50	5	2B	2B	X			
North Bird Creek	17324	02-Sep-98	280	0	0	0	0	19	0	10	20	70	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	60	M	25	75	1.8	2.5	45	85	SI&C	Si&C	50	5	2B	2B	X			
North Bird Creek	17324	02-Sep-98	300	0	0	0	0	18	0	10	30	60	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	40	S	25	100	1.2	3	50	85	SI&C	Si&C	50	5	2B	2B	X			
North Bird Creek	17324	02-Sep-98	320	0	0	0	0	20	0	0	20	60	20	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	40	S	50	50	1	2	60	75	CLY	SND/BLD	50	8	2B	2B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
North Bird Creek	17324	02-Sep-98	340	0.1	0.1	0.1	3	22	15	0	10	50	15	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	85	S	0	0	0	0	45	55	BLD	BLD	50	10	2B	2B	X			
North Bird Creek	17324	02-Sep-98	360	0.4	0.6	0.4	6	26	5	5	10	55	15	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	80	S	0	0	0	0	70	60	SND/CBL	Si&C	50	12	2B	2B	X			
North Bird Creek	17324	02-Sep-98	380	0	0	0	0	30	0	0	10	40	50	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	90	S	0	0	0	0	50	60	BLD	Si&C	50	12	2B	2B	X			
North Bird Creek	17324	02-Sep-98	400	0.4	0.5	0.3	7	28	0	0	5	25	70	0	0	0	0	X	0	0	0	0.5	0	0	0	0	0	0	50	0	0	0	0	85	M	0	0	0	0	45	45	BLD	BLD	50	12	2B	2B	X			
Hominy Creek: Downstream	11942	09/17/98	20	0.1	0.1	0.1	12	15	5	85	0	0	0	0	10	0	0	X	0	0	0	0	0.5	0	0	2	0	0	3.5	0	25	X	X	95	G	0	0	0	0	70	80	SND	BLD	0	0			X			
Hominy Creek: Downstream	11942	09/17/98	40	0.2	0.2	0.1	13	15	10	80	0	0	0	0	10	0	0	X	0	0	0	0.5	0.5	0	0	6	0	0.75	0	0	5	X	X	90	G	5	0	0.5	0	70	80	SND	SND	40	20	1C	1C	X			
Hominy Creek: Downstream	11942	09/17/98	60	0.2	0.3	0.2	11	14	15	80	0	0	0	0	5	0	0	X	0	0	0	0.5	0.5	0	0	4	0	0.75	0	0	5	0	X	70	G	0	20	0	3	80	85	SND	SND	40	20	1C	1C	X			
Hominy Creek: Downstream	11942	09/17/98	80	0.1	0.2	0.1	7	15	0	65	10	0	0	0	0	20	0	0	X	0	0	0	0	0	0	3	0	0.5	0.75	0	10	X	X	50	G	0	100	0	4	80	85	SND	SND	50	10	1C	1C	X			
Hominy Creek: Downstream	11942	09/17/98	100	0.1	0.2	0.3	6	16	10	80	0	0	0	0	10	0	0	0	X	0	0.5	0.5	0.75	0.5	0	8	0	1	0	0	5	X	X	40	G	0	100	0	3.5	75	85	SND	SND	40	5	1C	1C		15		1
Hominy Creek: Downstream	11942	09/17/98	120	0.1	0.1	0.1	9	14	5	85	0	0	0	0	10	0	0	0	X	0	0	0	0	0	0	2	0	0.5	0	0	0	X	X	40	G	0	100	0	3.5	80	80	SND	SND	30	5	1C	1C		25	1	
Hominy Creek: Downstream	11942	09/17/98	140	0.1	0.1	0.1	6	16	5	85	5	0	0	0	5	0	0	0	X	0	0.5	0	0.75	0	0	2	0	0.5	0.5	0	5	X	X	45	M	0	75	0	3	80	80	SND	SND	25	8	1C	1C		10		1
Hominy Creek: Downstream	11942	09/17/98	160	0.6	0.4	0.3	15	16	10	65	0	0	0	0	15	10	0	X	0	0	0.5	0.5	0.5	0	0	10	0	1	0	0	15	X	X	50	M	0	75	0	3.5	85	80	SND	SND	15	15	1C	1C		20		
Hominy Creek: Downstream	11942	09/17/98	180	1.2	1.3	1	13	16	10	60	0	0	0	0	20	5	0	X	0	0	0.5	0.75	0.5	0	0	6	0	0	0	0	15	X	X	60	M	40	0	2.5	0	85	80	SND	SND	20	20	1C	1C		10		
Hominy Creek: Downstream	11942	09/17/98	200	0.7	0.5	0.3	11	17	10	75	0	0	0	0	15	0	0	X	0	0	0.5	0	0.5	0	0	7	0	0.75	0	0	10	X	X	70	M	25	0	2.5	0	75	70	SND	SND	25	20	1C	1C		30		
Hominy Creek: Downstream	11942	09/17/98	220	0.4	0.4	0.2	6	14	5	0	0	0	0	0	10	0	0	X	0	0	0	0	0	0.5	0	5	0	0.75	0	0	5	X	X	70	M	0	0	0	0	75	75	SND	SND	20	15	1C	1C		20		1
Hominy Creek: Downstream	11942	09/17/98	240	0.1	0.1	0.1	9	14	5	85	5	0	0	0	5	0	0	X	0	0	0	0	0	0.5	0	4	0	1	0	0	10	X	X	65	M	10	0	1	0	80	80	SND	SND	25	15	1C	1C		5		
Hominy Creek: Downstream	11942	09/17/98	260	0.1	0.1	0.1	7	16	5	80	10	0	0	0	5	0	0	0	X	0	0	0.75	0	0	0	3	0	0	0.75	0	10	X	X	60	M	75	0	2.5	0	75	80	SND	SND	25	20	1C	1C		10		
Hominy Creek: Downstream	11942	09/17/98	280	0.1	0.1	0.1	10	17	5	80	15	0	0	0	0	0	0	0	X	0	0	1.5	0.5	0	0	1	0	0	1	0	0	X	X	50	G	0	75	0	3	80	85	SND	SND	25	20	1C	1C	X			
Hominy Creek: Downstream	11942	09/17/98	300	0.1	0.1	0.1	9	16	5	85	0	0	0	0	10	0	0	0	X	0	0	0	0	0	0	2	0	0.5	0	0	5	X	X	50	G	5	100	0.5	4	75	85	SND	SND	30	10	1C	1C	X			
Hominy Creek: Downstream	11942	09/17/98	320	0.1	0.1	0.1	7	17	15	80	0	0	0	0	5	0	0	0	X	0	0	0	0	0	0	3	1.5	0	0	0	10	X	X	40	M	0	100	0	4	80	85	SND	SND	40	10	1C	1C		10		1
Hominy Creek: Downstream	11942	09/17/98	340	0.1	0.1	0.2	4	16	5	80	0	0	0	0	15	0	0	0	X	0	0	0	0	0	0	1.5	0	0.25	0	0	0	X	X	65	M	0	25	0	4	70	80	SND	SND	40	40	1C	1C		5		
Hominy Creek: Downstream	11942	09/17/98	360	0.2	0.1	0.1	17	17	5	80	0	0	0	0	15	0	0	X	0	0	0.5	0.5	0	0	0	7	0	0	0	0	25	X	X	70	M	0	0	0	0	85	80	SND	SND	30	40	1C	1C	X			
Hominy Creek: Downstream	11942	09/17/98	380	0.1	0.1	0.2	9	15	10	85	0	0	0	0	5	0	0	X	0	0	0	0	0	0	0	10	0	0	0	0	15	X	X	70	M	0	0	0	0	85	75	SND	SND	30	40	1C	1C		5		
Hominy Creek: Downstream	11942	09/17/98	400	0.1	0.2	0.2	6	16	15	75	10	0	0	0	0	0	0	X	0	0	0.5	0.5	0.5	0.25	0	5	0	0	1	0	20	X	X	70	M	0	0	0	0	70	80	SND	SND	30	30	1C	1C		5		1
Hominy Creek: Upstream	11943	09/18/98	20	0.4	0.6	0.4	8	9	10	10	10	0	0	0	0	70	0	X	0	0	0	0.5	0.5	0.5	0	0.5	0	0.5	10	0	5	X	X	85	M	10	0	1	0	80	40	HPC	HPC	5	0	1C		X			
Hominy Creek: Upstream	11943	09/18/98	40	0.6	0.8	0.8	7	8	50	10	10	10	0	0	0	10	0	X	0	0	0.5	0.75	1	0.5	0	0	0.5	0.5	10	0	5	X	X	100	M	0	0	0	0	80	60	HPC	HPC	0	0			X			
Hominy Creek: Upstream	11943	09/18/98	60	0.7	0.6	0.2	6	8	10	5	25	50	0	0	10	0	0	X	0	0	0	2	0.5	0.5	0	0	0.5	0.5	15	0	10	X	X	100	M	0	0	0	0	80	45	HPC	HPC	15	5	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	80	0.6	0.4	0.7	10	10	10	80	0	0	0	0	10	0	0	X	0	0	0.5	1	1	0.5	0	0	0.5	0.5	5	0	25	X	X	90	M	15	10	2	1	85	50	HPC	HPC	15	10	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	100	0.3	0.4	0.4	8	11	10	60	10	10	0	0	10	0	0	X	0	0	0	0.5	0.5	0	0.5	0	0.5	0	1	0	35	X	X	85	M	0	0	0	0	80	60	HPC	HPC	20	10	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	120	0.3	0.4	0.3	10	11	10	20	30	30	0	0	10	0	0	X	0	0	0	0.5	0.5	0.5	0.5	0	0	0.5	0.5	0	0	X	0	90	M	0	0	0	0	70	65	HPC	HPC	25	20	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	140	0.3	0.5	0.5	10	11	0	30	20	40	0	0	10	0	0	X	0	0	0	2	1	0	0	0	0	0.5	10	0	10	X	X	95	M	5	5	0.5	0.5	70	75	HPC	HPC	30	30	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	160	0.4	0.4	0.7	12	12	5	65	10	0	0	0	10	10	0	X	0	0	0	0	0.5	0	0	0	0	0.5	5	0	20	X	X	90	M	0	0	0	0	75	70	HPC	HPC	30	30	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	180	0.3	0.3	0.1	6	8	5	30	45	10	0	0	10	0	0	X	0	0	0	0	0.25	0	0	0	0	0	20	0	10	X	X	95	M	0	0	0	0	70	80	HPC	HPC	30	20	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	200	0.1	0.1	0.1	4	10	5	0	25	60	0	0	10	0	0	0	X	0	0	0	0	0	0	0	0	0	30	0	5	X	X	90	M	0	0	0	0	60	80	HPC	HPC	50	40	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	220	0.1	0.3	0.1	2	10	0	5	40	45	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	30	X	X	80	M	5	20	0.5	1	70	85	HPC	HPC	50	40	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	240	0.7	0.5	0.4	10	12	0	10	20	60	10	0	0	0	0	X	0	0	0	1	1	0.5	0.5	0	0	0	40	0	5	X	X	90	M	0	0	0	0	70	90	HPC	HPC	50	30	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	260	0.1	0.1	0.1	2	12	0	5	20	60	10	0	5	0	0	X	0	0	0.5	1.5	1	0.5	1	0	0	0.5	50	0	5	X	X	85	M	10	20	0.5	1	75	85	HPC	HPC	50	40	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	280	1	1	0.5	12	13	40	10	20	10	0	0	0	20	0	X	0	0	0	0	0	0	1	0	0	0	30	0	10	X	X	90	M	0	0	0	0	85	75	HPC	HPC	50	50	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	300	0.6	0.6	0.3	10	12	10	60	25	0	0	0	0	5	0	X	0	0	0	0.5	0.5	0	1	0	0	0	10	0	5	X	X	90	M	0	0	0	0	80	60	HPC	SND	50	50	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	320	0.1	0.2	0.1	3	10	10	0	60	10	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0	0	5	0	0	X	X	70	M	70	10	2	0.5	85	45	HPC	SND	30	50	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Hominy Creek: Upstream	11943	09/18/98	340	0.1	0.1	0.1	4	10	10	10	50	10	0	0	10	10	0	0	X	0	0	0.5	0.5	0	0	0	0	0	20	0	0	X	X	60	M	80	0	3.5	0	85	45	HPC	SND	30	50	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	360	0.2	0.2	0.2	10	11	15	15	0	0	0	50	20	0	0	X	0	0	0	0	0.5	0	0	0	0	0	10	0	5	X	X	70	M	70	30	3	1	85	50	HPC	HPC	30	50	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	380	0.1	0.1	0.1	10	12	30	40	0	0	0	0	30	0	0	X	0	0	0	0	0.5	0	0	0	0	0	5	0	40	X	X	60	M	40	20	1	0.5	70	60	HPC	HPC	30	50	1B	1B	X			
Hominy Creek: Upstream	11943	09/18/98	400	0.1	0.1	0.1	7	10	10	60	0	0	0	10	20	0	0	X	0	0	0	0.5	0.5	0	0	0	0	0	15	0	10	X	X	80	M	0	0	0	0	70	65	HPC	HPC	30	50	1B	1B	X			
North Buck Creek	11868	25-Sep-98	20	0.2	0.1	0.1	6	22	15	15	60	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0.5	60	0	5	X	X	70	M	0	10	0	1.5	50	75	CBL	CBL	50	50	1C	2B	X			
North Buck Creek	11868	25-Sep-98	40	0.2	0.3	0.2	7	25	10	5	60	15	10	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0.25	65	0	10	X	X	50	M	15	0	0.5	0	70	70	CBL	CBL	50	50	1B	2B	X			
North Buck Creek	11868	25-Sep-98	60	1.1	0.4	0.3	14	24	10	5	40	25	15	5	0	0	0	X	0	0	0	0	0.5	0.5	2.5	0	0	0.5	55	0	10	X	X	60	M	0	0	0	0	75	65	BLD	CBL	50	50	1B	2B	X			
North Buck Creek	11868	25-Sep-98	80	1.3	1.5	0.5	11	22	10	5	35	15	20	0	5	10	0	X	0	0	0	0	0.5	0	1.5	0	0	0.5	50	0	5	0	X	50	G	10	0	1.5	0	80	70	BLD	CBL	50	50	2C	2B	X			
North Buck Creek	11868	25-Sep-98	100	0.8	0.4	0.2	13	17	5	5	15	45	25	0	5	0	0	X	0	0	0	0	0.5	0.5	2	0	0	0.25	50	0	5	X	X	55	M	0	0	0	0	80	75	BLD	CBL	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	120	1.2	1	0.3	15	17	5	0	45	35	10	0	5	0	0	X	0	0	0.5	0	0.5	0.5	1	0	0	0.5	55	0	10	X	X	75	M	0	0	0	0	80	80	BLD	Si&C	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	140	1.2	0.9	0.4	16	17	5	5	40	35	10	0	5	0	0	X	0	0	0	0	0.75	0	1.5	0	0	0.25	60	0	15	0	X	70	M	0	20	0	0.5	80	85	BLD	HPC	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	160	1	0.9	0.4	16	17	10	5	45	30	0	0	10	0	0	X	0	0	0	0.5	0.25	0	0.75	0	0	0.5	60	0	5	0	X	75	M	0	0	0	0	80	80	BLD	HPC	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	180	0.8	0.8	0.7	17	17	5	5	45	40	0	0	5	0	0	X	0	0	0	0	0	0	0.75	0	0	0.5	45	0	0	0	X	60	M	15	75	1.5	2	80	85	BLD	HPC	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	200	0.9	0.4	0.4	18	18	15	0	35	40	0	0	10	0	0	X	0	0	0	0.5	0.5	0.25	0	0	0	0.5	50	0	10	0	X	70	M	5	40	2	2	85	85	SND	HPC	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	220	1.3	0.8	0.2	18	18	10	5	35	40	0	0	10	0	0	X	0	0	0.5	0.75	0.5	0.25	0	0	0	0.5	45	0	5	0	X	90	M	0	0	0	0	85	85	SND	HPC	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	240	1.2	0.8	0.3	19	19	15	5	30	45	0	0	5	0	0	X	0	0	1	0.75	0.75	0.5	0	0	0	0	50	0	20	0	X	70	M	20	0	1.5	0	85	85	SND	HPC	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	260	0.9	0.7	0.3	20	20	15	10	35	35	0	0	5	0	0	X	0	0	0.5	1.5	0.5	0	0	0	0	0.5	45	0	15	0	X	80	M	10	0	1	0	85	80	SND	HPC	50	50	1C	2C	X			
North Buck Creek	11868	25-Sep-98	280	0.1	0.1	0.1	13	21	5	5	45	40	0	0	5	0	0	X	0	0	0	0	0.5	0.25	0	0	0	0.25	60	0	0	X	X	50	M	75	0	1.5	0	80	75	SND	CBL	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	300	0.1	0.1	0.1	4	25	5	10	50	30	0	0	5	0	X	0	0	0	0	0	0.75	0	0	0	0	0	65	5	0	X	X	40	M	15	0	1.5	0	80	60	SND	CBL	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	320	1.5	1.4	0.8	7	23	5	5	30	50	0	0	0	10	0	X	0	0	0	0	0.5	0.25	1	0	0	0	60	0	10	X	X	40	G	40	0	2.5	0	80	60	HPC	CBL	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	340	1.5	1.3	0.9	9	23	10	10	45	30	0	0	5	0	0	X	0	0	0	0	0	0	1	0	0	0	55	0	0	X	X	35	G	100	0	2.5	0	85	65	HPC	CBL	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	360	1.5	1.3	0.7	14	18	10	5	50	30	0	0	5	0	0	X	0	0	0	1	0.75	0.5	0.75	0	0	0	50	0	10	X	X	45	S	100	0	2.5	0	85	70	HPC	CBL	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	380	1.2	0.9	0.4	10	14	10	0	40	25	10	0	5	10	0	X	0	0	0	0	0.5	0.25	0.75	0	0	0	40	0	10	X	X	50	T	100	0	2.5	0	85	70	HPC	CBL	50	50	2C	2C	X			
North Buck Creek	11868	25-Sep-98	400	0.1	0.1	0.1	4	28	5	5	60	25	0	0	5	0	X	0	0	0	0	0	0	0	1.5	0	0	0	55	0	15	X	X	50	T	80	0	2.5	0	85	55	HPC	CBL	50	50	2C	2C	X			
Sand Creek	12045	09/03/98	20	0.4	0.8	0.5	10	10	15	10	15	45	5	0	10	0	0	X	0	0	1	1	0.75	0.5	0	0	0	0.5	20	0	15	0	X	80	M	0	0	0	0	85	80	SI&C	Si&C	50	50	2B	2B	X			
Sand Creek	12045	09/03/98	40	0.1	0.1	0.1	0.3	11	0	0	0	0	0	0	10	90	0	X	0	0	0	0	1	0.75	0	0	0.75	0.75	15	0	50	X	X	70	M	0	50	0	1.5	60	85	CBL	Si&C	50	50	2B	2B	X			
Sand Creek	12045	09/03/98	60	0.3	0.4	0.5	3	9	10	0	0	80	0	0	5	5	0	X	0	0	0	0	0.5	0	0.75	0	0	0.5	25	0	40	X	X	60	M	0	100	0	2	60	85	CBL	HPC	50	50	2B	2B	X			
Sand Creek	12045	09/03/98	80	0	0	0	0	9	0	0	0	0	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0.25	30	0	60	X	X	65	M	0	90	0	2	65	80	CBL	HPC	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	100	0.1	0.1	0.1	2	10	0	0	10	75	5	0	10	0	0	X	0	0	0	0	0.5	0.5	0	0	0	0	15	0	30	X	X	60	M	0	75	0	1.5	75	80	CBL	HPC	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	120	0.3	0.4	0.3	5	12	10	0	15	55	10	0	10	0	0	X	0	0	0.5	0.5	1.5	1	0	0	0	0.5	10	0	30	X	X	70	M	10	0	0.5	0	70	75	SI&C	Si&C	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	140	0.1	0.1	0.1	5	12	5	0	20	55	10	0	10	0	0	X	0	0	0	0	1	0.75	0	0	0	0.25	35	0	70	X	X	70	M	80	0	1	0	80	70	SI&C	Si&C	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	160	0.7	0.6	0.3	10	11	15	10	15	55	0	0	5	0	0	X	0	0	0.5	1.5	1	0	0	0	0	0.5	30	0	90	0	X	60	M	60	0	1.5	0	85	70	SI&C	Si&C	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	180	0.8	0.7	0.4	6	7	10	5	5	55	15	0	10	0	0	X	0	0	0	0.5	0.25	0	0	0	0	0.25	40	0	5	0	X	70	M	75	0	1	0	80	80	HPC	Si&C	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	200	0.7	0.7	0.6	7	11	15	0	15	50	5	0	5	10	0	X	0	0	0.5	0	1	0.5	0	0	2	0.25	30	0	10	X	X	60	M	80	0	2.5	0	80	70	HPC	CBL	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	220	0.3	0.4	0.3	6	11	5	10	20	50	10	0	5	0	0	X	0	0	0	0	0.5	0	1	0	0	0	35	0	30	0	X	50	M	90	0	2.5	0	85	70	HPC	CBL	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	240	0.1	0.1	0.3	9	12	40	10	35	0	0	0	15	0	0	X	0	0	0	0	0.5	0.5	0.5	0	2.5	0	20	0	60	X	X	50	M	85	0	2.5	0	85	65	HPC	Si&C	50	50	2B	1B	X			
Sand Creek	12045	09/03/98	260	0.4	0.5	0.4	9	12	20	5	60	10	5	0	0	0	0	X	0	0	0	0.5	0.75	0.5	0	0	1	0	30	0	20	0	X	80	M	10	0	0.5	0	75	80	SI&C	Si&C	50	50	1B	1B	X			
Sand Creek	12045	09/03/98	280	0.7	0.4	0.3	11	12	25	15	35	15	0	0	10	0	0	X	0	0	0.5	1	0.75	0.5	0	0	0.5	0	45	0	25	0	X	65	M	20	0	1.5	0	75	75	SI&C	BLD	50	50	2B	2B	X			
Sand Creek	12045	09/03/98	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	95	M	0	0	0	0	75	75	BLD	BLD	50	50	2B	2B	X			
Sand Creek	12045	09/03/98	320	0	0	0.1	1	15	30	10	10	40	0	0	10	0	0	X	0	0	0	1	0.5	0.5	0	0	0	0.25	3	0	10	X	X	95	M	0	0	0	0	75	70	SI&C	Si&C	50	50	2B	2B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Sand Creek	12045	09/03/98	340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	95	M	0	0	0	0	70	60	SI&C	Si&C	50	50	2B	2B	X			
Sand Creek	12045	09/03/98	360	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	90	M	0	0	0	0	75	70	SI&C	Si&C	50	50	2B	1C	X			
Sand Creek	12045	09/03/98	380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	90	M	0	0	0	0	70	70	SI&C	Si&C	50	50	2B	1C	X			
Sand Creek	12045	09/03/98	400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	X	95	M	0	0	0	0	60	70	SI&C	Si&C	50	50	2B	1C	X			
Gray Horse Creek	11926	09/23/98	20	0.1	0.1	0.1	0.5	7	0	5	30	25	30	0	10	0	0	0	X	0	0	1	3	1.5	0	0	0	0.25	70	10	35	X	X	45	G	70	60	0.5	1	60	50	SND/Si	SND/Si	5	1	2B	2D		20		2
Gray Horse Creek	11926	09/23/98	40	0.1	0.2	0.1	6	8	10	10	35	20	10	0	15	0	0	X	0	0	0.25	0.75	2	0.75	0	0	0.5	5	80	0	65	X	X	25	M	70	20	0.65	0.5	70	40	SND/Si	SND/GVL	10	5	1C	2C		10		2
Gray Horse Creek	11926	09/23/98	60	0.3	0.5	0.4	6	8	10	15	45	20	0	0	10	0	0	X	0	0	0.5	0.25	1.5	2	0	0.25	0	2	77	0	65	X	X	22	M	20	70	0.25	0.5	60	45	SND/GVL	SND/CLY	12	15	1C	1C		50		2
Gray Horse Creek	11926	09/23/98	80	0.6	0.8	0.7	8	8.5	15	5	35	30	5	0	10	0	0	X	0	0	0	0.5	0.5	0.5	0	0	0	0	75	0	85	0	0	27	T	50	50	0.5	0.5	75	80	SND/GVL	SND/CLY	9	50	1C	1C		5	17	1
Gray Horse Creek	11926	09/23/98	100	0.1	0.1	0.1	0.75	6	0	5	20	60	0	0	15	0	X	0	0	0	0	0.25	1	0.5	0	0	0	0	85	7	75	X	X	25	T	30	25	0.75	0.25	75	65	SND	SND/CLY	7	17	1C	1C		17	1	1
Gray Horse Creek	11926	09/23/98	120	0.1	0.2	0.1	5.5	12	10	10	40	15	0	0	20	5	0	X	0	0	0.25	0.25	17	5	0	0	0	0.5	85	0	65	X	X	15	M	30	40	0.5	0.5	45	45	SND	SND/CLY	20	50	1C	1C		25		3
Gray Horse Creek	11926	09/23/98	140	0.7	0.8	0.6	8	8.5	15	0	30	5	0	40	10	0	0	X	0	0	0.25	0.25	3	1	0	0	0	0.25	55	0	40	0	0	15	S	20	25	0.5	0.5	85	80	CLY	CLY	7	50	1C	1C		10		1
Gray Horse Creek	11926	09/23/98	160	0.7	1	1	8	8.5	10	5	40	15	5	0	10	15	0	X	0	0	0.5	0.25	0.25	1	0	0	0	2.5	45	0	37	0	0	12	M	40	15	0.75	0.5	75	80	CLY	Si&C	15	30	1C	1C		10	12	1
Gray Horse Creek	11926	09/23/98	180	0.5	0.7	0.6	6	6	40	0	20	5	0	15	15	5	0	X	0	0	0.5	0.5	1	1	0	0	0	0.25	40	0	60	0	0	25	T	80	15	1	0.25	77	80	SI&C	Si&C	25	27	1C	1C		5		1
Gray Horse Creek	11926	09/23/98	200	0.4	0.4	0.5	5.5	7	10	5	45	10	5	15	10	0	0	X	0	0	0.25	0.5	1	0.25	0	0	0.5	0	65	0	67	X	X	30	M	15	100	0.5	1.5	60	85	SND	Si&C	20	35	1B	1C		50	2	3
Gray Horse Creek	11926	09/23/98	220	0.3	0.2	0.2	8	9	5	10	50	15	0	0	20	0	0	X	0	0	0	0.25	0.5	1	0	0	1.5	0	70	0	70	X	X	37	M	20	95	0.25	1.5	80	85	SI&C	SND/CLY	27	32	1C	1C		20	2	2
Gray Horse Creek	11926	09/23/98	240	0.2	0.4	0.3	3.5	10	15	5	50	15	10	0	5	0	0	X	0	0	0	0	0.5	0.25	0	0	0.25	0.25	90	0	85	X	X	30	M	12	95	0.25	1.5	55	75	SND/GVL	SND/CLY	28	35	1B	1C		15	1	2
Gray Horse Creek	11926	09/23/98	260	0.1	0.1	0.1	0.5	13	0	5	35	50	0	0	10	0	0	X	X	0	0	0.25	0.25	1.5	3	0	2	1	95	5	55	X	X	27	M	15	100	0.25	1.5	40	85	GRV	SND/Si	40	50	1B	1B	X			
Gray Horse Creek	11926	09/23/98	280	0.5	0.5	0.6	8	8	15	0	30	0	0	50	5	0	0	X	0	0	1	0.25	0.5	1.5	0	0	0	2	37	0	27	0	0	17	S	25	20	0.25	0.5	50	55	SI&C	Si&C	27	50	1B	1B				1
Gray Horse Creek	11926	09/23/98	300	0.8	1	1.1	7.5	8	25	0	25	5	40	0	5	0	0	X	0	0	0.25	1.5	1.5	1	0	0	0	1	25	0	55	0	0	17	S	35	30	0.5	0.5	85	85	SI&C	Si&C	40	38	1B	1B	X			
Gray Horse Creek	11926	09/23/98	320	0.5	0.4	0.5	4	12	10	5	60	15	0	0	10	0	0	X	0	0	2	0.5	2	1	0	0	0	2	75	0	30	0	0	12	M	10	10	0.25	0.25	80	80	SI&C	Si&C	40	40	1A	1A	X			
Gray Horse Creek	11926	09/23/98	340	0.2	0.3	0.4	6	6.5	5	0	50	10	0	25	10	0	0	X	0	0	0	0.25	1	0.25	0.5	0	0	0.5	85	0	75	X	X	20	M	10	55	0.25	0.5	40	55	SI&C	SND/GVL	50	50	1B	1A	X			
Gray Horse Creek	11926	09/23/98	360	0.1	0	0.1	0.5	25	0	0	25	55	15	0	5	0	0	X	0	0	2	2	7	5	0	0	0	1.5	95	0	65	X	X	20	M	15	35	0.25	1	30	57	SND/CBL	SND	50	50	1A	1A	X			
Gray Horse Creek	11926	09/23/98	380	0.2	0.2	0.1	3	12	0	5	15	45	30	0	5	0	0	X	0	0	0	0.25	1	2	2	0	0	5	100	0	35	X	X	10	S	10	15	0.25	0.25	45	30	SND/BLD	GVL	50	50	1A	1A	X			
Gray Horse Creek	11926	09/23/98	400	0.1	0.1	0.1	3	13	5	0	0	0	20	65	10	0	0	0	X	0	0	0.25	0.25	0	2	0	0	4	35	0	15	0	X	15	M	5	15	0.25	0.25	45	30	BRK	SND/GVL	40	50	1A	1A	X			
Salt Creek	21701	06/09/00	20	0.8	0.6	0.2	12	35	0	0	5	10	5	80	0	0	0	X	0	0	0	5	3	1	0	0	0.5	0.5	15	0	10	X	0	90	M	10	0	3	0	80	20	SLT/GRV	GVL	50	30	1A	1A	X			
Salt Creek	21701	06/09/00	40	0.4	0.2	0.3	20	35	0	5	30	60	5	0	0	0	X	0	0	0	0	1	1	0	0	0	4	0	30	5	30	X	0	95	M	10	0	3	0	85	20	SLT/GRV	GVL	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	60	0.4	0.4	0.4	25	35	0	0	5	30	5	60	0	0	0	X	0	0	1	0.5	0.5	1	0	0	1	0	15	0	10	X	0	85	T	30	0	4	0	85	20	SLT/GRV	GVL	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	80	0.5	0.5	0.3	10	30	0	0	20	40	20	20	0	0	0	X	0	0	0	0	0	0	0	0	1.5	0	30	0	20	X	0	80	T	40	10	4	1	90	25	SLT/GRV	Si/GVL	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	100	0.4	0	0.2	12	30	0	5	25	60	10	0	0	0	X	X	0	0	0	0	0.5	0.5	0	0	1	0	50	5	35	X	0	85	T	40	10	4	1	90	30	SLT/GRV	Si/GVL	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	120	0.2	0	0.2	8	30	0	10	30	65	5	0	0	0	X	X	0	0	0	0	0	0	0	0	2	0	60	10	45	X	0	80	T	50	10	4	1	90	25	SLT/GRV	Si/GVL	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	140	0.2	0.4	0.2	4	35	0	5	40	55	0	0	0	0	0	0	X	0	0	1	0.5	0	1	0	1	0	70	15	75	X	0	70	T	30	30	4	3	85	80	SLT/GRV	Si/GVL	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	160	0.2	0.2	0.2	20	30	0	10	20	60	10	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	70	10	60	X	0	90	M	10	20	3	2	70	60	SLT/GRV	Si/GVL	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	180	0.2	0.2	0.2	20	30	5	10	10	5	0	70	0	0	0	0	X	0	0	0	0	0	0	0	0	0	20	0	30	X	0	95	M	0	0	0	0	60	60	SLT	Si	50	50	1A	1A	X			
Salt Creek	21701	06/09/00	200	0.1	0.1	0.1	15	30	5	10	15	0	0	80	0	0	0	0	X	0	0	0	0	0	0	0	0	0	5	0	30	X	0	95	M	0	0	0	0	40	65	SLT	Si	50	50	1A	1A		20		1
Salt Creek	21701	06/09/00	220	0.3	0.5	0.4	20	30	0	5	30	65	0	0	0	0	0	X	0	0	0	0	0.5	0	1	0	0	0	15	0	20	X	0	70	M	0	30	0	4	30	80	SLT	Si	50	30	1A	1B	X			
Salt Creek	21701	06/09/00	240	0.3	0.6	0.6	21	30	0	0	20	60	20	0	0	0	0	X	0	0	0	0	0.5	0	1	0	0	0	20	0	20	X	0	75	M	0	40	0	4	30	80	SLT/GRV	Si	50	30	1A	1B	X			
Salt Creek	21701	06/09/00	260	0.4	0.8	0.8	20	25	0	0	30	50	20	0	0	0	0	X	0	0	0	0	0	0	1.5	0	0	0	40	0	15	0	0	60	M	0	40	0	4	20	90	SLT	Si/CLY	50	30	1A	1A	X			
Salt Creek	21701	06/09/00	280	0.6	1	1	20	25	0	0	20	70	10	0	0	0	0	X	0	0	0.5	0	0.5	0	0	0	0	0	60	0	10	0	0	60	M	0	40	0	3	30	85	SLT	Si/GVL	50	40	1A	1A	X			
Salt Creek	21701	06/09/00	300	0.3	0.6	0.8	20	25	0	0	20	60	20	0	0	0	0	X	0	0	1	0	0	0.5	0	0	0.5	0	65	0	15	0	0	70	M	0	35	0	3	30	80	SLT/GRV	Si/GVL	50	40	1A	1A	X			
Salt Creek	21701	06/09/00	320	0.4	0.7	0.9	21	22	0	0	20	70	10	0	0	0	0	X	0	0	1.5	0	0	0.5	0	0	1	0	70	0	25	0	0	80	T	0	40	0	2	40	75	SLT	Si	50	40	1A	1A	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Salt Creek	21701	06/09/00	340	0.6	1	1.1	23	25	0	0	30	60	10	0	0	0	0	X	0	0	2	0	0	0	0	0	0.5	0	65	0	15	0	0	80	T	0	40	0	2	30	65	SLT	Si/GVL	50	40	1A	1A	X			
Salt Creek	21701	06/09/00	360	0.4	0.8	0.8	24	25	0	0	20	60	20	0	0	0	0	X	0	0	1	0	0	0	0	0	0	0	65	0	10	0	0	90	M	10	15	1	1	45	60	SLT	Si/GVL	50	40	1A	1A	X			
Salt Creek	21701	06/09/00	380	1	2	1	24	25	0	0	30	50	20	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	75	0	25	0	0	90	M	10	10	1	1	60	65	SLT	Si/GVL	50	40	1A	1A	X			
Salt Creek	21701	06/09/00	400	1	2	0.8	23	25	0	0	30	50	20	0	0	0	0	X	0	0	1	0.5	0.5	1	0	0	0	0	75	0	35	0	0	80	T	30	10	3	1	70	45	SLT	Si/GVL	50	40	1A	1A	X			
Little Chief Creek	11955	09/23/98	20	0.1	0.3	0.3	9	23	5	0	20	15	10	45	5	0	0	X	0	0	0	0.25	0.5	0.5	4	0	0	0.25	40	0	75	X	X	30	O	5	15	0.5	0.5	35	45	BLD	BLD	10	10	2A	2A	X			
Little Chief Creek	11955	09/23/98	40	0.1	0.3	0.3	14	18	0	0	15	10	5	65	5	0	0	X	0	0	0	0	0.25	0.25	2	0	0	0.5	37	0	10	X	X	10	S	10	5	0.25	0.25	47	35	BRK	SND/GVL	15	15	2A	2A	X			
Little Chief Creek	11955	09/23/98	60	0.3	0.4	0.5	14	45	0	0	10	5	10	65	10	0	0	X	0	0	0.5	0	0.25	0.25	0.5	0	0	1	35	0	14	0	0	10	S	5	20	0.25	0.25	45	50	SND/BLD	SND/GVL	25	17	2B	1A	X			
Little Chief Creek	11955	09/23/98	80	0.4	0.7	0.5	16	17	5	0	10	10	20	50	5	0	0	X	0	0	0.5	0.25	0.5	1	2	0	0	3	37	0	17	0	0	7	S	5	12	0.25	0.5	47	65	SND/BLD	SND/Si	25	17	2B	1A	X			
Little Chief Creek	11955	09/23/98	100	0.6	0.7	0.5	16	18	5	0	10	10	20	55	5	0	0	X	0	0	1.5	1	0.25	2	12	0	4	1	35	0	22	0	0	20	M	10	35	0.25	0.5	65	65	SND/BLD	SND/Si	15	17	1B	1B	X			
Little Chief Creek	11955	09/23/98	120	0.7	0.6	0.7	18	19	5	0	10	5	10	65	5	0	0	X	0	0	1.5	0.25	0.25	1	2	0	3	0.25	30	0	27	0	0	10	M	5	30	0.5	0.25	70	85	BRK	Si&C	15	15	1B	1B	X			
Little Chief Creek	11955	09/23/98	140	0.9	0.9	0.8	22	23	15	0	5	10	15	55	0	0	0	X	0	0	3	0.25	0.5	1.5	7	0	2	0.5	20	0	25	0	0	12	M	25	10	0.5	0.25	70	85	CLY	CLY/BLD	12	7	1C	1C	X			
Little Chief Creek	11955	09/23/98	160	1.1	1.1	0.7	22	24	5	0	10	10	15	50	10	0	0	X	0	0	0.25	0	0.5	0.5	3	0	3	1	27	0	18	0	0	10	M	15	55	0.25	0.5	70	70	BLD/CLY	Si&C	13	6	1B	1B	X			
Little Chief Creek	11955	09/23/98	180	0.4	0.5	0.4	23	26	5	0	20	25	40	10	5	0	0	X	0	0	0	0.5	0.25	0.5	2	0	7	0.25	85	0	27	0	X	25	M	50	30	0.75	1	65	70	BLD/CLY	CLY/GVL	15	8	1A	1B	X			
Little Chief Creek	11955	09/23/98	200	0.7	0.5	0.4	25	27	0	5	20	50	20	0	5	0	0	X	0	0	0	0.25	0.5	0.5	3	0	8	1	95	0	17	0	X	15	M	80	40	1	0.5	60	65	SI&C	Si&C	15	12	1B	1B	X			
Little Chief Creek	11955	09/23/98	220	0.2	0.6	0.2	23	24	5	0	5	5	5	70	10	0	0	X	0	0	0	0.25	0.25	0.25	5	0	2	0.25	37	0	20	0	0	17	M	10	30	0.25	1.5	65	65	CLY	CLY	12	17	1B	1B	X			
Little Chief Creek	11955	09/23/98	240	0.4	0.3	0.2	23	25	5	0	15	5	5	65	5	0	0	X	0	0	0	0.5	1	0.25	1.5	0	1.5	0.25	25	0	12	0	0	12	M	50	30	0.5	0.5	75	40	CLY	CLY/GVL	17	35	1B	2B	X			
Little Chief Creek	11955	09/23/98	260	0.4	0.4	0.4	23	25	5	0	10	5	0	80	5	0	0	X	0	0	0.5	0.5	0.5	0.5	1	0	1	0.25	20	0	17	0	0	17	M	100	15	0.25	0.75	80	65	CLY/GRV	CLY	22	50	1B	1A	X			
Little Chief Creek	11955	09/23/98	280	0.7	0.8	0.7	10	35	0	0	15	10	5	65	5	0	0	X	0	0	0.25	0.25	1	0.5	1	0	0	3	22	0	12	X	0	12	M	50	35	1	0.5	40	55	GRV	CLY/GVL	25	50	1B	1A	X			
Little Chief Creek	11955	09/23/98	300	0.1	0.1	0.1	5	30	0	0	50	40	5	0	5	0	X	0	0	0	0	0	0.5	0.25	0	0	0	0.5	50	2	5	X	X	15	M	10	10	0.25	0.25	35	30	GRV	GVL	50	50	1A	1A	X			
Little Chief Creek	11955	09/23/98	320	0.1	0.1	0.1	3	32	0	0	60	35	0	0	5	0	X	0	0	0	1.5	0	0.25	0.5	0	0	5	1	97	5	65	X	X	10	M	15	10	0.25	0.25	30	45	CLY	CLY	50	50	1A	1A	X			
Little Chief Creek	11955	09/23/98	340	0.1	0.1	0.1	4	27	0	0	25	10	5	60	0	0	X	0	X	0	0	0	0.25	0.25	5	0	0.5	1.5	55	0	70	X	X	17	M	20	50	0.25	1	35	50	CBL	SND/GVL	50	12	1B	1B	X			
Little Chief Creek	11955	09/23/98	360	0.1	0.3	0.1	10	12	5	0	15	5	0	65	10	0	0	X	X	0	0.25	0	0	0	4	0	0.5	0	35	0	55	X	X	30	M	5	100	0.25	2	30	90	CBL	SND/Si	60	50	1B	1A	X			
Little Chief Creek	11955	09/23/98	380	0.1	0.3	0.3	11	13	5	0	10	5	0	70	10	0	0	X	0	0	0	0	0	0	12	0	0	0	35	0	30	X	0	35	M	0	100	0	2	35	90	CBL/SND	Si/GVL	50	50	1A	1A	X			
Little Chief Creek	11955	09/23/98	400	0.2	0.2	0.2	12	15	5	5	10	5	5	75	5	0	0	X	0	0	0	0	0.25	0.5	3	0	0	0.25	15	0	15	0	0	25	M	0	100	0	1.5	45	85	SND	CBL/Si	30	50	1B	1A	X			
Saline Creek	12036	08/12/98	20	0.4	0.8	0.4	10	28	0	5	55	40	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	75	0	0	X	X	40	G	0	0	0	0	45	15	GRV	GVL	20	20	2B	2B	X			
Saline Creek	12036	08/12/98	40	0.4	0.6	0.2	14	25	0	5	70	25	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	0	X	X	60	S	0	0	0	0	45	30	GRV	GVL	20	10	2B	2B	X			
Saline Creek	12036	08/12/98	60	0.35	0.2	0.2	17	25	0	5	75	20	0	0	0	0	0	0	X	0	0	0.5	0	0	0	0	0	0	70	30	0	X	X	50	S	25	0	1.7	0	70	30	SND/GVL	GVL	20	10	2B	2B	X			
Saline Creek	12036	08/12/98	80	0.3	0.4	0.15	14	25	0	5	75	20	0	0	0	0	0	X	X	0	0.5	0.5	0.5	0.5	0	0	0.5	0	70	30	10	X	X	60	M	75	0	1.9	0	80	25	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	100	0.15	0.2	0.1	18	26	0	2	75	23	0	0	0	0	0	0	X	0	0	0	0	0	0	0	1	0	75	25	0	X	X	80	M	0	0	0	0	60	30	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	120	0.1	0.1	0.1	18	28	0	1	75	24	0	0	0	0	X	0	X	0	0	0	0	0	0	0	1	0	85	15	0	X	X	70	M	50	0	2	0	80	25	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	140	0.1	0.15	0.1	9	35	0	1	70	29	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	85	15	5	X	X	75	M	30	0	2	0	80	35	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	160	0.1	0.2	0.1	13	32	0	1	70	29	0	0	0	0	0	X	X	0	0	0	0	0	0	0	0	0	85	15	10	X	X	50	M	75	0	2	0	80	45	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	180	0.1	0.2	0.1	13	32	0	1	70	29	0	0	0	0	0	X	X	0	0	0.5	0.5	0.5	0	0	0	0	85	15	5	X	X	75	M	25	0	2	0	80	45	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	200	0.1	0.1	0.1	10	30	0	0	75	25	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	85	15	0	X	X	60	M	75	0	2.3	0	80	35	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	220	0.05	0.1	0.1	13	31	0	0	75	25	0	0	0	0	X	0	X	0	0	0	0	0	0	0	0	0	85	15	0	X	X	65	M	25	0	2.4	0	80	30	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	240	0.1	0.25	0.1	5	33	0	0	70	30	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	85	15	2	X	X	80	M	20	0	2.4	0	85	20	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	260	0.1	0.15	0.1	5	40	0	0	80	20	0	0	0	0	0	0	X	0	0	0.5	0.5	0	0	0	0.5	0	80	20	10	X	X	60	M	50	0	3	0	85	15	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	280	0.2	0.3	0.2	6	40	0	1	75	24	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	75	25	5	X	X	40	M	90	0	3	0	85	15	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	300	0.15	0.1	0.2	7	40	0	0	85	15	0	0	0	0	0	0	X	0	0	1	1	1	0	0	0	0	70	25	0	X	X	50	G	100	0	3	0	85	15	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	320	0.1	0.05	0.05	8	40	0	0	85	15	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	80	20	0	X	X	40	G	100	0	2.8	0	85	15	SND/GVL	GVL	50	50	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Saline Creek	12036	08/12/98	340	0.2	0.3	0.1	7	40	0	0	85	15	0	0	0	0	0	0	X	0	0	0	0.5	0	0	0	0	0	75	25	0	X	X	40	G	100	0	3	0	85	15	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	360	0.1	0.15	0.1	6	40	0	0	80	20	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	80	20	0	X	X	40	G	100	0	3	0	85	15	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	380	0.1	0.15	0.1	6	40	0	0	85	15	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	80	20	0	X	X	50	G	80	0	2.6	0	80	15	SND/GVL	GVL	50	50	1B	1B	X			
Saline Creek	12036	08/12/98	400	0.1	0.1	0.1	6	40	0	0	85	15	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	85	15	0	X	X	50	G	90	0	2.2	0	80	15	SND/GVL	GVL	50	50	1B	1B	X			
Drowning Creek	14486	08/04/99	20	0	0	0	0	30	0	0	0	0	0	0	0	0	0	X	0	X	1	0	0	4	0	0	0	0	65	0	30	X	X	70	T	0	0	0	0	75	70	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	40	0.1	0.1	0.1	5	35	20	0	70	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	10	0	0	X	X	45	M	30	25	1	1	60	75	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	60	0	0	0	0	35	0	0	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	15	0	0	X	X	80	M	20	40	1	1.5	65	70	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	80	0	0	0	0	40	0	0	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	X	X	85	M	30	40	1	1.5	70	50	GRV	GVL	0	0	1C	1C		25	1	
Drowning Creek	14486	08/04/99	100	3	0.3	0.1	4	60	10	0	70	20	0	0	0	0	0	X	0	0	0	0	0.5	0	0	1	0	0	10	0	0	X	X	90	M	0	0	0	0	70	30	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	120	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	X	0	1.5	2	1	0	0	0	0	0	40	0	30	X	X	80	T	0	0	0	0	60	75	SI&C	GVL	0	0	1C	1C		5	2	1
Drowning Creek	14486	08/04/99	140	0.3	0.3	0.2	5	15	10	0	65	15	0	0	10	0	0	X	0	0	0	1.5	0	0	0	0	0	0	20	0	90	X	X	70	T	20	25	1	1	65	50	GRV	GVL	0	0	1C	1C		20	3	1
Drowning Creek	14486	08/04/99	160	0.2	0.3	0.2	4.5	10	10	15	60	5	0	0	10	0	0	X	0	0	0.5	0	0.5	1	0	2	0	0	25	0	60	X	X	60	M	60	10	2	1	80	45	GRV	GVL	0	0	1C	1C			3	1
Drowning Creek	14486	08/04/99	180	0.8	0.8	0.4	6	80	0	20	50	10	0	0	20	0	0	X	0	0	0	2	5	0.5	0	10	0	2	15	0	10	X	X	70	M	20	0	1	0	85	40	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	200	0.2	0.2	0.1	7	80	10	0	50	10	0	0	30	0	0	X	0	0	0	0.5	1.5	0.5	0	1	0	1	25	0	15	X	X	70	M	0	0	0	0	70	40	GRV	GVL	0	0	1C	1C		30	3	1
Drowning Creek	14486	08/04/99	220	0.1	0.2	0.1	7	70	0	15	65	10	0	0	10	0	0	X	0	0	0	0.75	1.5	0.5	0	2	0	0	25	0	15	X	X	80	M	0	0	0	0	70	40	GRV	GVL	0	0	1C	1C		30	1	1
Drowning Creek	14486	08/04/99	240	0.3	0.3	0.1	6	25	0	0	20	5	0	0	75	0	0	0	X	0	0	0	0.5	0	0	60	2	0	20	0	5	X	X	70	M	50	40	1.5	1	80	55	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	260	0.1	0.4	0.3	9	10	5	0	80	5	0	0	10	0	0	X	0	0	0	2	7	0	0	40	1	0	20	0	5	X	X	50	M	70	10	2.5	1	85	60	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	280	0.4	0.9	0.1	19	26	0	0	40	10	0	0	50	0	0	X	0	0	0	1	3	0	0	35	1	0	15	0	0	X	X	60	M	40	0	2	0	80	50	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	300	0.5	1	1.5	14	22	0	20	50	0	0	0	30	0	0	X	0	0	0	0.5	1	0	4	50	0	0	15	0	5	0	0	80	M	0	0	0	0	40	80	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	320	8	1.4	1.2	14	20	0	5	50	15	5	25	0	0	0	X	0	0	0	0	0	0	8	10	0	0	30	0	5	0	0	70	M	10	0	1	0	80	45	GRV	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	340	0.2	0.4	0.1	13	25	0	0	50	10	0	40	0	0	0	X	0	0	0	0	0	0	10	0	0	0	30	0	5	X	X	60	T	20	20	1	0	60	65	GRV	BRK	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	360	0.3	0.4	0.1	18	20	0	5	50	5	0	25	15	0	0	X	0	0	1	0	0	0	2	0	3	0	30	0	10	X	X	80	M	10	30	1	1	65	70	GRV	BRK	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	380	0.5	0.5	0.1	9	15	0	5	45	10	0	40	0	0	0	X	0	0	0	5	0	0.5	8	0	0	0.5	10	0	15	X	X	85	M	0	0	0	0	65	65	BRK	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	400	0.1	0.1	0.1	18	25	0	0	10	5	0	80	5	0	X	0	0	0	0.5	0	0	0	0	5	0	0.5	10	0	20	X	X	85	M	0	0	0	0	45	45	BRK	GVL	0	0	1C	1C	X			
Drowning Creek	14486	08/04/99	420	0.1	0.2	0.1	13	20	0	10	65	10	0	0	15	0	0	X	0	0	0	0	0	0	0	1	0	0	35	0	40	X	X	80	M	20	0	1	0	70	40	GRV	GVL	0	0	1C	1C		10	3	1
Whitewater Creek	17264	07/21/99	20	1	1.1	0.6	10	23	20	20	50	10	0	0	0	0	0	X	0	0	0.5	0	0	0	0	0	0	0	30	0	0	0	0	25	G	20	60	1	0.8	35	70	SI&C	Si&C	0	30	2B	1B	X			
Whitewater Creek	17264	07/21/99	40	1.1	1.2	0.6	7	25	40	30	30	0	0	0	0	0	0	X	0	0	1	0	0	1	0	0	0	0	20	0	0	X	X	25	S	20	0	1.6	0	45	25	SI&C	GVL	5	40	2B	1B	X			
Whitewater Creek	17264	07/21/99	60	0.4	0.2	0.1	8	26	0	30	70	0	0	0	0	0	0	0	X	0	0.5	1	1	0.5	0	0	0	0	20	60	50	X	X	25	T	75	0	1	0	60	15	SI&C	GVL	5	50	2B	1B	X			
Whitewater Creek	17264	07/21/99	80	0.4	0.3	0.2	20	25	5	25	55	15	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	25	50	0	X	X	50	M	50	0	0.8	0	50	45	SI&C	Si&C	5	50	2B	1B	X			
Whitewater Creek	17264	07/21/99	100	0.3	0.6	0.9	11	21	10	20	50	20	0	0	0	0	0	X	0	0	0	0	0	0.5	0	0	0	0	25	0	10	0	0	25	T	0	20	0	1	45	70	SI&C	Si&C	8	40	2B	1B	X			
Whitewater Creek	17264	07/21/99	120	0.9	1.3	1.1	15	20	5	10	50	10	0	0	0	25	0	X	0	0	0	0	0	0	0	0	0.5	0.5	25	0	15	X	X	40	T	0	0	0	0	40	80	GRV	Si&C	5	20	2B	1B	X			
Whitewater Creek	17264	07/21/99	140	0.9	1	0.9	10	20	5	5	35	15	0	0	0	40	0	X	0	0	0	0	0	0.5	0	0	0	0	20	0	10	0	0	30	S	0	20	0	0.8	35	45	GRV	HPC	5	15	2B	1B	X			
Whitewater Creek	17264	07/21/99	160	0.1	0.3	0.2	9	20	5	10	65	5	0	0	0	15	0	0	X	0	0	0	0	0	0	0	0.5	0	20	60	0	X	X	25	S	0	0	0	0	20	45	GRV	Si&C	5	20	2B	1B	X			
Whitewater Creek	17264	07/21/99	180	0.2	0.2	0.2	4	22	0	3	80	17	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	50	30	0	X	X	25	G	0	0	0	0	20	15	GRV	GVL	5	15	2B	1B	X			
Whitewater Creek	17264	07/21/99	200	0.4	0.6	0.4	45	48	25	20	45	10	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	25	0	0	X	X	10	T	20	0	1	0	25	40	GRV	GVL	5	0	2B	2B	X			
Whitewater Creek	17264	07/21/99	220	0.8	0.8	0.8	40	60	10	25	55	10	0	0	0	0	0	X	0	0	0	0	0.5	0	0	0	0	0	20	0	0	X	X	10	T	20	0	1	0	30	20	GRV	GVL	5	0	2B	2B	X			
Whitewater Creek	17264	07/21/99	240	0.6	0.7	0.6	40	60	10	15	55	20	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	25	0	0	X	X	5	T	0	0	0	0	45	20	GRV	GVL	5	0	2B	2B	X			
Whitewater Creek	17264	07/21/99	260	0.6	0.5	0.3	30	60	10	20	50	20	0	0	0	0	X	X	0	0	0	0	0	0	0	0	0	0	25	20	0	X	X	5	G	0	0	0	0	45	20	GRV	GVL	0	0	2B	2B	X			
Whitewater Creek	17264	07/21/99	280	0.1	0.2	0.2	13	50	0	2	85	13	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	75	20	0	X	X	15	T	0	0	0	0	30	20	GRV	GVL	0	0	2B	2B	X			
Whitewater Creek	17264	07/21/99	300	0.2	0.3	0.2	18	45	0	2	70	23	0	0	0	5	0	0	X	0	0	0.5	0.5	0	0	0	0	0	75	25	0	X	X	0	O	0	0	0	0	10	35	GRV	GVL	0	5	2B	2B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Whitewater Creek	17264	07/21/99	320	0.2	0.2	0.1	18	25	0	3	85	12	0	0	0	0	0	0	X	0	0.5	0	0	0.5	0	0	0	0	70	30	15	0	0	40	M	0	0	0	0	15	50	GRV	Si&C	0	5	2B	2B	X			
Whitewater Creek	17264	07/21/99	340	0.2	0.2	0.1	18	24	0	3	80	17	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	70	30	5	0	0	60	M	0	0	0	0	30	75	GRV	Si&C	0	5	2B	2B	X			
Whitewater Creek	17264	07/21/99	360	0.3	0.3	0.3	15	24	0	5	85	10	0	0	0	0	0	0	X	0	0.5	0	0	0.5	0	0	0	0	65	40	0	X	X	40	M	0	20	0	2	30	80	GRV	Si&C	5	5	2B	2B	X			
Whitewater Creek	17264	07/21/99	380	1	1.5	1.4	9	24	0	5	85	10	0	0	0	0	0	X	0	0	0.5	0	0	0.5	0	0	0	0	60	0	0	X	X	30	M	0	30	0	2.5	15	80	GRV	Si&C	5	5	2B	2B	X			
Whitewater Creek	17264	07/21/99	400	0.3	0.6	0.9	10	25	0	5	70	20	0	0	0	5	0	X	0	0	0	0	0.5	0	0	0	0	0	50	0	0	X	X	5	G	0	100	0	3	10	90	GRV	Si&C	5	5	2B	2B	X			
Lost Creek	17551	07/26/99	20	0.3	0.2	0.3	12	85	2	8	80	10	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	1	75	20	0	X	X	50	G	100	0	1.3	0	90	35	SI&C	BLD	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	40	0.2	0.2	0.1	9	85	1	4	80	15	0	0	0	0	X	0	X	0	0	0	0	0	0	0	0	1	75	20	0	X	X	50	G	100	0	1	0	90	35	SI&C	BLD	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	60	0.2	0.2	0.8	14	80	1	4	75	15	0	0	5	0	X	X	0	0	0	0	0	0	0	0	0	1	80	15	0	X	X	70	G	0	0	0	0	70	45	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	80	0.2	0.2	0.7	23	70	15	20	40	25	0	0	0	0	X	X	0	0	0	0	0	0	0	0	0	0	60	20	0	X	X	80	G	0	0	0	0	60	45	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	100	0.2	0.2	0.2	28	70	0	2	75	23	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	80	20	0	X	X	85	G	0	0	0	0	55	55	SI&C	BLD	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	120	0.5	0.4	0.2	43	52	2	13	65	20	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	60	30	0	X	X	90	G	0	0	0	0	45	60	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	140	0.3	0.4	0.3	37	52	2	13	60	20	5	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	60	30	0	X	X	95	G	0	0	0	0	45	65	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	160	0.3	0.5	0.2	27	50	2	13	55	20	5	0	5	0	0	0	X	0	0	0	0	0	0	0	0	0	50	40	0	X	X	95	G	0	0	0	0	50	70	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	180	0.5	0.8	0.7	17	33	2	18	60	20	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	40	0	0	X	X	60	G	50	0	1.4	0	70	60	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	200	0.9	1.3	1	17	36	5	20	55	20	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	30	0	0	X	X	0	O	100	100	1.4	3	90	90	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	220	0.7	1	0.9	15	36	5	20	60	15	0	0	0	0	0	X	0	0	0.5	0.5	0.5	1	0	0	0	0	30	0	0	X	X	0	O	100	100	1.2	3	90	90	SI&C	Si&C	0	0	2B	2A	X			
Lost Creek	17551	07/26/99	240	0.3	1	0.8	17	29	5	30	50	10	0	5	0	0	0	X	0	0	0	1	1	0	0	0	0	0	30	0	0	X	X	10	G	0	100	0	3	30	90	GRV	Si&C	0	0	2B	2B	X			
Lost Creek	17551	07/26/99	260	0.4	1.3	0.1	15	25	2	23	60	10	0	5	0	0	0	X	0	0	0	0	0	1	0	0	0	0	30	0	0	X	X	25	G	0	100	0	3	25	90	GRV	Si&C	0	0	2B	2B	X			
Lost Creek	17551	07/26/99	280	0.3	0.8	0.9	15	25	2	8	70	20	0	0	0	0	0	0	X	0	0.5	1	1	1	0	0	0	0	70	25	10	X	X	30	G	0	100	0	2.6	20	90	GRV	Si&C	0	0	2B	2B	X			
Lost Creek	17551	07/26/99	300	0.1	0.2	0.2	15	21	0	0	75	25	0	0	0	0	X	0	0	0	0.5	0.5	0.5	0.5	0	0	0	0	80	15	10	0	X	25	G	0	100	0	2.6	20	90	GRV	Si&C	0	0	2B	2B		20	3	1
Lost Creek	17551	07/26/99	320	0.1	0.2	0.2	15	20	0	0	70	30	0	0	0	0	X	0	0	0	0.5	0	0	0.5	0	0	0	0	85	15	10	0	0	30	T	0	0	0	0	40	55	GRV	Si&C	0	0	2B	2B		20	4	2
Lost Creek	17551	07/26/99	340	0.2	0.3	0.4	15	20	0	2	60	28	0	0	10	0	X	0	0	0	0	0	0	0	0	0	0	0	80	20	0	0	0	30	G	0	100	0	0.7	45	90	GRV	Si&C	0	0	2B	2B				1
Lost Creek	17551	07/26/99	360	0.4	1	0.9	13	20	0	2	70	28	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	70	0	10	0	X	10	G	0	100	0	0.9	45	90	SI&C	Si&C	0	0	2B	2B		80	15	5
Lost Creek	17551	07/26/99	380	0.9	1.1	0.7	15	17	5	20	65	10	0	0	0	0	0	X	0	0	1	5	3	2	0	0	0	0	50	0	30	0	X	20	T	60	80	2.5	1	80	85	SI&C	Si&C	0	0	2B	2B				2
Lost Creek	17551	07/26/99	400	0.8	1	0.6	11	17	5	15	70	10	0	0	0	0	0	0	X	0	1	5	2	2	0	0	0	0	40	0	20	X	X	20	T	50	50	2.5	1	85	60	SI&C	GVL	0	0	2B	2B	X			
Brushy Creek	16777	06/17/99	20	0.3	0.3	0.2	3	14	15	0	50	35	0	0	0	0	0	0	X	0	0	0	0	0	0	0	1	0	40	50	20	0	0	90	G	0	0	0	0	50	55	BLD	CBL	0	0	2B	2B	X			
Brushy Creek	16777	06/17/99	40	0.2	0.2	0.2	8	12	35	15	10	30	10	0	0	0	0	X	0	0	0	0	0	0	0	0	1	0	25	0	0	0	X	95	G	0	0	0	0	60	65	BLD	Si&C	0	0	2B	2B	X			
Brushy Creek	16777	06/17/99	60	0.2	0.2	0.2	15	20	20	10	40	30	0	0	0	0	0	X	0	0	0	0	0	0	0	0	2	0	25	0	0	0	X	90	G	0	0	0	0	55	45	SI&C	Si&C	10	0	1B	2B	X			
Brushy Creek	16777	06/17/99	80	1.2	1	0.6	25	35	25	5	30	20	0	0	0	20	0	X	0	0	0	0	0	0	0	0	1	0	15	0	0	0	X	80	M	0	0	0	0	40	40	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	100	0.3	0.2	0.2	25	35	10	5	25	60	0	0	0	0	0	0	X	0	0	0	0	0	0	0	2	0	40	0	0	0	X	80	M	0	0	0	0	40	45	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	120	0.3	0.7	0.8	20	40	50	5	20	25	0	0	0	0	0	X	0	0	0	1	0	0	0	0	1	0	25	0	0	0	X	85	M	0	0	0	0	30	60	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	140	0.3	0.5	0.7	30	35	30	5	25	30	10	0	0	0	0	X	0	0	0	0	0	0	0	0	1	0	30	0	10	0	X	90	M	0	0	0	0	45	60	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	160	0.4	0.6	0.4	25	35	15	0	20	45	20	0	0	0	0	X	0	0	0	0	0	0	0	0	1	0	40	0	5	0	X	95	M	0	0	0	0	50	65	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	180	1.2	1	0.6	30	34	20	0	20	60	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	40	0	5	0	X	95	M	0	0	0	0	45	55	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	200	1	0.9	0.7	32	34	25	0	25	50	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	40	0	5	0	X	95	M	0	0	0	0	50	55	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	220	0.7	0.7	0.5	32	34	20	0	30	30	0	0	0	20	0	X	0	0	0	0	0	0	0	0	0.5	0	30	0	10	0	X	95	M	0	0	0	0	45	50	SI&C	Si&C	10	50	1B	2B	X			
Brushy Creek	16777	06/17/99	240	0.9	1.5	0.4	40	45	45	0	0	30	20	0	5	0	0	X	0	0	0	0	0	0	0	0	0.5	0	10	0	10	0	X	90	M	0	0	0	0	30	50	SI&C	Si&C	20	50	1B	2B	X			
Brushy Creek	16777	06/17/99	260	1.2	1.5	1.8	40	50	95	0	0	0	0	0	5	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	0	0	X	90	G	0	0	0	0	35	60	SI&C	Si&C	20	50	1B	2B	X			
Brushy Creek	16777	06/17/99	280	1.2	1.5	1.5	40	45	100	0	0	0	0	0	0	0	0	X	0	0	0	0.5	0	0	0	0	0	0	0	0	5	0	X	90	M	0	0	0	0	50	60	SI&C	Si&C	20	50	1B	1B	X			
Brushy Creek	16777	06/17/99	300	1.2	1.5	1.5	40	45	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	X	90	T	0	0	0	0	70	80	SI&C	Si&C	20	50	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Brushy Creek	16777	06/17/99	320	1	1.5	1.5	40	45	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	5	0	X	90	T	0	0	0	0	70	90	SI&C	Si&C	20	50	1B	1B	X			
Brushy Creek	16777	06/17/99	340	1.3	1.5	1.5	40	42	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	X	90	T	0	0	0	0	60	80	SI&C	Si&C	20	50	1B	1B	X			
Brushy Creek	16777	06/17/99	360	1.4	1.5	1.4	36	42	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	X	90	T	0	0	0	0	60	80	SI&C	Si&C	20	50	1B	1B	X			
Brushy Creek	16777	06/17/99	380	1.3	1.5	1.3	40	42	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	X	90	T	0	0	0	0	70	80	SI&C	Si&C	20	50	1B	1B	X			
Brushy Creek	16777	06/17/99	400	1.5	1.5	1.5	40	42	100	0	0	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	0	10	0	X	90	T	0	0	0	0	70	75	SI&C	Si&C	20	50	1B	1B	X			
Pine Creek	12020	09/28/98	20	0.4	0.3	0.2	18	28	0	0	10	40	50	0	0	0	X	0	X	0	0	0	0	0	0	0	0	0	95	5	0	0	0	95	M	0	0	0	0	35	40	BLD	CBL/BLD	50	15	1B	1B	X			
Pine Creek	12020	09/28/98	40	0.3	0.5	0.2	12	23	0	0	5	15	80	0	0	0	X	0	X	0	0	0	0	0	0	0	1	0	95	5	0	0	0	95	M	0	0	0	0	45	40	SI&C	Si&C/BLD	50	15	1B	1B	X			
Pine Creek	12020	09/28/98	60	0.3	0.5	0.4	18	22	0	0	5	35	60	0	0	0	0	X	X	0	0	0	0	0	0	0	2	0	95	5	0	0	0	95	M	0	0	0	0	45	40	SI&C	Si&C/BLD	50	15	1B	1B	X			
Pine Creek	12020	09/28/98	80	0.3	0.2	0.4	17	21	0	0	5	35	60	0	0	0	0	X	X	0	0	0	0	0	0	0	2	0	95	5	0	0	0	95	M	0	0	0	0	45	45	SI&C	Si&C/BLD	50	15	1B	1B	X			
Pine Creek	12020	09/28/98	100	0.2	0.4	0.6	11	20	0	0	5	35	60	0	0	0	0	X	0	0	0	0	0	0	0	0	2	0	95	0	0	0	0	100	M	0	0	0	0	40	45	BLD/SI&C	Si&C/BLD	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	120	0.2	0.2	0.5	11	20	0	0	5	25	70	0	0	0	0	0	X	0	0	0	0	0	0	0	1	0	95	5	0	0	0	100	M	0	0	0	0	30	45	BLD/SI&C	Si&C/BLD	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	140	0.3	0.4	0.3	8	22	0	0	5	30	65	0	0	0	0	0	X	0	0	0	0	0	0	0	2	0	95	5	0	0	0	100	M	0	0	0	0	30	45	BLD/SI&C	Si&C/BLD	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	160	0.3	0.2	0.3	6	25	0	0	5	25	70	0	0	0	0	0	X	0	0	0	0	0	0	0	2	0	95	5	0	0	0	100	M	0	0	0	0	25	40	BLD/SI&C	Si&C/BLD	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	180	0.3	0.2	0.6	13	25	0	0	5	25	70	0	0	0	0	X	0	0	0	0	0	0	0	0	2	0	95	0	0	0	0	100	M	0	0	0	0	25	40	BLD/SI&C	Si&C/BLD	50	25	1B	1B	X			
Pine Creek	12020	09/28/98	200	0.3	0.6	0.3	14	25	0	0	5	35	60	0	0	0	0	X	0	0	0	0	0	0	0	0	2	0	90	0	0	0	0	100	M	0	0	0	0	25	40	BLD/SI&C	Si&C/BLD	50	25	1B	1B	X			
Pine Creek	12020	09/28/98	220	0.4	0.7	0.2	23	24	10	10	5	25	50	0	0	0	0	X	0	0	0	0	0	0	0	0	5	0	80	0	0	0	0	100	M	0	0	0	0	70	70	BLD/SI&C	Si&C/BLD	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	240	0.9	1.3	0.7	29	30	5	0	5	40	50	0	0	0	0	X	0	0	0	0	0	0	0	0	2	0	80	0	10	0	0	90	M	0	0	0	0	85	80	BLD/SI&C	Si&C	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	260	1.2	1.5	0.8	30	30	15	5	5	35	40	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	60	0	10	0	0	85	M	0	0	0	0	85	85	SI&C	Si&C	50	10	1B	1B	X			
Pine Creek	12020	09/28/98	280	1.4	1.5	0.7	30	30	15	5	5	25	50	0	0	0	0	X	0	0	0	0	0	0	0	0	1	0	60	0	5	0	0	85	M	0	0	0	0	85	80	SI&C	Si&C	50	10	1B	1B	X			
Pine Creek	12020	09/28/98	300	1	1.1	0.6	30	30	5	5	5	35	50	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	75	0	5	0	0	90	M	0	0	0	0	80	85	SI&C	Si&C	50	15	1B	1B	X			
Pine Creek	12020	09/28/98	320	0.6	1.1	0.4	22	24	0	0	5	35	60	0	0	0	0	X	0	0	0	0	0	0	0	0	1	0	80	0	0	0	0	95	M	0	0	0	0	70	65	BLD	Si&C/BLD	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	340	0.5	0.8	0.6	15	23	0	0	5	20	75	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	90	0	0	0	0	100	M	0	0	0	0	65	55	BLD	Si&C/BLD	50	20	1B	1B	X			
Pine Creek	12020	09/28/98	360	0.6	0.9	0.3	14	22	0	0	5	25	70	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	95	0	0	0	0	100	M	0	0	0	0	60	55	BLD	Si&C/BLD	50	25	1B	1B	X			
Pine Creek	12020	09/28/98	380	0.4	0.7	0.3	12	20	0	0	5	30	65	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	95	0	0	0	0	100	M	0	0	0	0	50	45	BLD	BLD	50	30	1B	1B	X			
Pine Creek	12020	09/28/98	400	0.2	0.2	0.2	6	20	0	0	5	25	70	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0	100	0	0	0	0	100	M	0	0	0	0	45	40	BLD	BLD	50	35	1B	1B	X			
Dry Creek	11906	09/23/98	20	0.3	0.2	0.1	7	30	0	5	15	70	10	0	0	0	X	0	0	0	0	0	0	0	0	0	0	0.5	90	15	20	X	X	75	M	0	0	0	0	45	15	SND/CBL	CBL/GVL	50	0	1B	2D	X			
Dry Creek	11906	09/23/98	40	0.4	0.3	0.1	6	30	0	5	25	60	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0.5	80	20	25	X	X	80	M	0	0	0	0	50	15	SND/CBL	CBL/GVL	50	0	1B	2D	X			
Dry Creek	11906	09/23/98	60	0.6	0.6	0.3	6	25	0	5	45	0	0	50	0	0	0	X	X	0	0	0	0	2	0	0	0	0	85	0	15	X	X	85	M	0	0	0	0	65	35	SND/CBL	SND/CBL	50	0	1B	2D	X			
Dry Creek	11906	09/23/98	80	0.4	0.5	0.2	8	16	0	15	80	5	0	0	0	0	0	X	0	0	0.75	0	0	0	0	0	0	0	10	0	10	X	X	80	M	0	0	0	0	60	40	CBL/SI&CL	Si&C/CBL	50	5	1B	2B	X			
Dry Creek	11906	09/23/98	100	0.2	0.2	0.4	6	19	0	5	30	15	0	50	0	0	0	0	X	0	0	0	0	2	0	0	0.5	40	15	5	X	X	85	M	0	5	0	0.5	35	40	CBL/SI&CL	Si&C/CBL	50	5	1B	1B	X			
Dry Creek	11906	09/23/98	120	0.2	0.3	0.2	6	19	0	2	18	60	0	20	0	0	X	0	0	0	0	0	0	0	0	0	0.5	45	15	15	X	X	90	M	0	0	0	0	30	45	CBL/SI&CL	Si&C/CBL	50	5	1B	1B	X			
Dry Creek	11906	09/23/98	140	0.4	0.4	0.5	8	18	3	7	50	15	0	15	10	0	0	X	X	0	0.5	0	0	0	0	0	0	0.5	45	20	30	X	X	95	M	0	0	0	0	20	60	CBL/SI&CL	Si&C/CBL	50	5	1B	1B	X			
Dry Creek	11906	09/23/98	160	0.2	0.2	0.2	10	14	0	0	5	0	0	95	0	0	0	0	X	0	0.5	0	0	0	3	0	0	0.5	20	20	50	X	X	95	M	0	0	0	0	20	65	CBL/SI&CL	Si&C/CBL	50	5	1B	1B	X			
Dry Creek	11906	09/23/98	180	0.2	0.3	0.3	8	14	0	5	55	10	5	25	0	0	X	0	0	0	0	0	0	0	3	0	0	0.5	25	30	30	X	X	85	M	0	10	0	1	30	65	CBL	/CBL	50	5	1B	1B	X			
Dry Creek	11906	09/23/98	200	0.3	0.3	0.3	5	15	0	0	25	10	15	50	0	0	X	0	0	0	0	0	0	0	3	0	0	0	20	20	40	X	X	90	M	0	0	0	0	40	55	CBL/SI&CL	Si&C/CBL	50	5	1B	1B	X			
Dry Creek	11906	09/23/98	220	0.3	0.6	0.2	7	14	0	0	25	10	0	65	0	0	0	0	X	0	0	0	0	0	1.5	0	0	0	10	25	25	X	X	90	M	0	0	0	0	60	45	BRK	Si&C/CBL	50	15	1B	1B	X			
Dry Creek	11906	09/23/98	240	0.2	0.3	0.2	5	12	0	2	25	8	0	65	0	0	X	0	0	0	0	0	0	0	1	0	0	0	20	15	20	X	X	90	M	0	0	0	0	50	60	BLD	Si&C/CBL	50	15	1B	1B	X			
Dry Creek	11906	09/23/98	260	0.4	0.5	0.3	7	14	0	5	80	10	0	3	2	0	0	X	X	0	0	0	0	0	0.5	0	0	0.5	40	10	30	X	X	85	M	0	0	0	0	45	40	CBL/SI&CL	Si&C/CBL	50	10	1B	1B	X			
Dry Creek	11906	09/23/98	280	0.3	0.2	0.1	10	14	0	5	90	5	0	0	0	0	0	0	X	0	0.5	0	0.5	0.5	0	0	0	0	80	20	30	X	X	95	M	0	0	0	0	45	30	CBL/SI&CL	Si&C/CBL	50	10	1B	1B	X			
Dry Creek	11906	09/23/98	300	0.1	0.2	0.1	12	14	0	5	90	5	0	0	0	0	0	0	X	0	0.5	0	0.5	0.5	0	0.5	0	0.5	85	15	50	X	X	95	M	0	0	0	0	45	40	CBL/SI&CL	Si&C/CBL	50	10	1B	1B	X			

Site Name	Sample ID	Date	Distance	DepthLqt	DepthCnt	DepthRqt	WidthWater	WidthBank	%SubSilica	%SubSand	%SubGravl	%SubCobl	%SubBold	%SubBdrk	%SubPom	%SubHrdpc	RiffleHabitat	PoolHabitat	RunHabitat	DryHabitat	CoverUnderCut	CoverLrgWdDeb	CoverSmWdDeb	CoverRoots	CoverBdrkLedge	CoverSubAqVeg	CoverEmergAqVeg	CoverTerVeg	CoverCobBold	Embbeddedness	CanopyCover	PointBar	ScouringDeposit	BankVegCover	DomVegType	PercErodeLeft	PercErodeRight	ErodeHtLeft	ErodeHtRight	LeftSlope	RightSlope	LeftSub	RightSub	LeftWidth	RightWidth	LeftCondition	RightCondition	ExcludedCattle	PercTrampled	NumbCowPies	NumbCowTrails
Dry Creek	11906	09/23/98	320	0.2	0.2	0.1	8	16	0	5	45	30	20	0	0	0	X	0	0	0	0	0	0	0	0	0.5	0	0.5	90	10	40	X	X	95	M	0	0	0	0	30	40	SI&C	Si&C/CBL	50	10	1B	1B	X			
Dry Creek	11906	09/23/98	340	0.2	0.2	0.2	6	24	0	0	10	60	10	20	0	0	X	0	0	0	0	0	0	0	0	0	0	0	85	10	20	X	X	90	M	0	0	0	0	25	45	CBL/SI&CL	Si&C/CBL	50	5	1B	1B	X			
Dry Creek	11906	09/23/98	360	0.2	0.2	0.3	5	24	0	5	0	0	5	90	0	0	X	0	0	0	0	0	0	0	0	1.5	0	0	90	10	40	X	X	80	M	0	10	0	1	30	60	CBL/SI&CL	Si&C/CBL	50	0	1B	2D	X			
Dry Creek	11906	09/23/98	380	0.4	0.4	0.3	6	25	0	0	0	0	0	100	0	0	X	0	0	0	0.5	0	0	0.5	3.5	0	0	0	0	0	55	X	X	80	M	0	10	0	1	40	70	CBL/SI&CL	Si&C/CBL	50	0	1B	2D	X			
Dry Creek	11906	09/23/98	400	0.2	0.3	0.3	10	15	0	10	30	0	0	60	0	0	X	0	0	0	0	0	0	0.5	4	0	0	0	0	0	30	X	X	85	M	0	10	0	1	30	75	CBL/SI&CL	Si&C/CBL	50	5	1B	2B	X			
Bolen Creek	11861	09/24/98	20	0.5	0.5	0.6	14	17	10	5	35	40	0	0	10	0	0	X	0	0	0.5	0.5	0	0	0	0	0	0	30	0	20	0	0	60	M	50	0	2	0	70	60	CBL/SI&CL	Si&C	50	50	2B	1B	X			
Bolen Creek	11861	09/24/98	40	0.5	0.6	0.4	6	17	5	0	20	60	10	0	5	0	0	0	X	0	0	0	0	0	0	0	0	0	50	25	20	0	0	75	M	0	0	0	0	45	35	CBL/SI&CL	Si&C/CBL	50	50	1B	1B	X			
Bolen Creek	11861	09/24/98	60	0.3	0.2	0.2	6	17	0	0	30	60	10	0	0	0	X	0	0	0	0	0	0	0	0	0	1	0	80	20	0	0	0	60	M	50	0	2.5	0	80	20	CBL/SI&CL	GVL/CBL	50	50	1B	1B	X			
Bolen Creek	11861	09/24/98	80	0.3	0.2	0.2	6	17	0	0	30	70	0	0	0	0	0	0	X	0	0	0	0	0	0	0	1	0	80	20	20	0	0	60	M	75	0	2	0	90	20	SI&C	Si&C/CBL	50	50	2B	1B	X			
Bolen Creek	11861	09/24/98	100	0.2	0.1	0.2	8	20	0	5	35	60	0	0	0	0	X	0	0	0	0	0	0	1	0	0	1	0	80	20	25	0	0	90	M	0	0	0	0	80	20	SI&C	GVL/CBL	50	50	2B	1B	X			
Bolen Creek	11861	09/24/98	120	0.2	0.2	0.2	10	25	0	0	25	75	0	0	0	0	X	0	0	0	0	0	0	0	0	0	3	0	80	20	5	0	0	80	M	0	0	0	0	80	40	SI&C	Si&C	40	50	2B	1B	X			
Bolen Creek	11861	09/24/98	140	0.8	0.7	0.7	13	18	60	0	5	35	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0.5	10	0	0	0	X	95	M	0	0	0	0	30	45	SI&C	Si&C	35	50	2B	1B	X			
Bolen Creek	11861	09/24/98	160	0.5	0.4	0.8	18	20	60	10	10	10	0	0	10	0	0	X	0	0	0.5	0.5	0.5	0.5	0	0	0	0	5	0	5	0	X	95	M	0	0	0	0	50	85	SI&C	Si&C	30	50	2B	1B	X			
Bolen Creek	11861	09/24/98	180	0.2	0.3	0.2	4	40	10	5	40	35	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	30	50	0	X	X	80	M	50	0	2.5	0	80	30	SI&C	Si&C	30	50	2B	2B	X			
Bolen Creek	11861	09/24/98	200	0.3	0.1	0.2	18	30	10	5	40	35	10	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	50	30	0	X	X	85	G	0	0	0	0	40	30	BLD/SI&C	Si&C/CBL	30	50	2B	2B	X			
Bolen Creek	11861	09/24/98	220	0.2	0.2	0.2	18	26	20	10	60	10	0	0	0	0	0	0	X	0	0	0	0	0	0	0	0	0	30	50	0	X	X	90	G	0	0	0	0	50	35	CBL/SND	Si&C/CBL	20	0	2B	2B	X			
Bolen Creek	11861	09/24/98	240	0.2	0.2	0.2	13	30	10	0	60	40	0	0	0	0	X	0	X	0	0	0	0	0	0	0	0	0	50	30	20	0	0	85	G	0	0	0	0	20	30	BLD	BLD	0	0	2B	2B	X			
Bolen Creek	11861	09/24/98	260	0.3	0.4	0.2	9	30	10	5	35	40	10	0	0	0	0	X	0	0	0	0	0	0	0	0	0	0	65	0	0	0	0	80	G	0	0	0	0	45	20	SI&C/CBL	GVL/CBL	0	0	2B	2B	X			
Bolen Creek	11861	09/24/98	280	0.6	0.4	0.1	8	24	10	5	20	40	5	20	0	0	0	X	0	0	0	0	0	0	0	0	0	0	60	0	0	0	0	75	G	0	0	0	0	70	15	BLD/CBL	GVL/CBL	0	0	2B	2B	X			
Bolen Creek	11861	09/24/98	300	0.3	0.4	0.1	7	22	3	7	5	30	5	50	0	0	0	X	0	0	0	0	0	0	1	0	0	0	50	0	0	0	0	60	G	50	0	1.5	0	70	15	CBL/HPC	GVL/CBL	0	0	2B	2B	X			
Bolen Creek	11861	09/24/98	320	0.3	0.4	0.1	6	20	2	3	5	40	5	45	0	0	0	X	X	0	0	0	0	0	1	0	0	0	40	0	5	0	0	50	G	90	0	2.3	0	85	25	HPC	GVL/CBL	10	0	2B	2B	X			
Bolen Creek	11861	09/24/98	340	0.4	0.3	0.3	6	20	2	3	10	35	10	10	0	30	0	X	X	0	0	0	0	0	0.5	0	0	0	30	0	5	0	0	50	M	50	0	2	0	75	40	HPC	CLY/CBL	20	0	2B	2B	X			
Bolen Creek	11861	09/24/98	360	0.3	0.6	0.6	16	25	30	5	5	40	0	0	20	0	0	X	0	0	0	0	0	0	0	0	1	0	15	0	10	0	0	80	M	0	0	0	0	50	40	CLY/CBL	Si&C	30	0	1B	2B	X			
Bolen Creek	11861	09/24/98	380	0.7	1.2	0.6	23	25	70	0	0	5	0	0	25	0	0	X	0	0	0.5	0	0.5	0	0	0	0	0	0	0	0	0	0	60	M	50	25	2.5	1	85	90	CLY/CBL	Si&C	20	0	1B	2B	X			
Bolen Creek	11861	09/24/98	400	0.6	1.3	0.8	22	24	65	0	0	5	0	0	30	0	0	X	0	0	0.5	0	0.5	0.5	0	0	0.5	0	0	0	0	0	0	70	M	0	0	0	0	80	90	CLY/CBL	Si&C	15	0	1B	2B	X			

Site Name	WBID	County	E-Region	Sample ID	Date	Instream cover (% mix of stable habitat)	Pool Bottom Substrate (% silt, clay, bedrock and relative homogeneity)	Pool Variability (% pools >= .5 m)	Canopy Coverage (% shading, optimal ranges)	% Rocky Runs and Riffles	Flow at representative low flow (cfs)	Channel Alteration (% recent deposition, new point bars and islands)	Channel Sinuosity	Bank Stability Index ((avg. water width)/(avg bank slope*avg eroded bank ht.*% stream with eroded banks))	Bank Vegetative Stability (% stable, vegetated banks)	Streamside cover, Type (grass, shrub, tree)	% Coverage of Streamside Cover
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	12041	08/20/98	16.83	58.33	88.89	34.75	10.00	1.44	25.00	1.00	49.16	30.50	S	100.00
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	21714	08/10/00	61.45	41.84	94.74	22.65	5.00	0.43	25.00	1.10	50.02	15.50	S	100.00
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	17909	08/04/99	7.10	79.00	46.67	29.25	5.00	2.50	50.00	1.10	26.39	57.50	T	70.00
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	12042	09/28/98	11.34	55.83	72.22	21.75	5.00	6.01	100.00	1.50	20.42	35.25	S	100.00
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	16762	06/16/99	88.75	11.25	75.00	9.50	80.00	14.41	0.00	1.20	10650000.00	5.25	S	95.00
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	11974	08/25/98	2.16	46.14	0.00	9.00	0.00	15.18	0.00	1.30	5.91	49.25	S	85.00
Gaines Creek	OK220600-04-0010F	Latimer	AV	17558	08/02/99	9.18	68.42	84.21	31.00	5.00	2.00	0.00	1.30	13.18	61.50	T	80.00
Beaver Creek	OK220600-04-0030G	Latimer	AV	11844	09/22/98	1.95	99.17	66.67	20.50	0.00	3.08	0.00	1.20	17.24	42.25	S	85.00
Willow Creek	OK520610-01-0080G	Cleveland	CGP	17547	10/28/99	2.80	68.00	20.00	12.00	0.00	1.33	40.00	1.00	420.38	46.50	T	55.00
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	17571	07/08/99	9.69	88.89	33.33	14.00	0.00	3.27	50.00	1.10	27.67	22.00	S	95.00
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	11930	08/19/98	54.70	23.72	55.56	8.50	10.00	35.98	30.00	1.10	38.42	39.00	S	95.00
Rabb Creek	OK121400-01-0090D	Rogers	CIP	17555	07/29/99	5.03	85.00	9.09	58.50	5.00	2.00	45.00	1.50	2.24	83.00	T	80.00
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	11939	09/04/98	3.84	54.23	0.00	19.00	0.00	6.06	80.00	1.40	93.90	16.50	S	90.00
Lightning Creek	OK121510-01-0130M	Nowata	CIP	17574	08/06/99	8.45	72.32	94.74	26.25	5.00	9.68	15.00	2.00	16.45	33.25	S	85.00
California Creek	OK121510-02-0050C	Nowata	CIP	17533	08/09/99	42.65	24.21	31.58	30.75	10.00	0.02	90.00	1.70	10.15	35.25	S	85.00
Snow Creek	OK121510-02-0250F	Nowata	CIP	17986	08/11/99	6.08	79.58	16.67	10.00	0.00	0.00	90.00	1.00	7.74	33.50	S	100.00
Big Creek	OK121510-03-0010G	Nowata	CIP	17534	08/10/99	17.55	52.78	55.56	31.75	10.00	0.35	95.00	1.00	19.29	29.00	S	75.00
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	11922	08/05/98	61.33	14.67	66.67	5.50	25.00	3.30	60.00	1.20	239.42	35.00	S	70.00
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	11882	08/21/98	3.38	69.06	56.25	43.00	0.00	26.53	0.00	1.00	57.17	34.00	T	60.00
Horse Creek	OK121600-03-0160G	Ottawa	CIP	13545	07/19/99	40.53	38.13	12.50	41.75	5.00	0.13	50.00	1.10	12.73	47.00	S	55.00
Fly Creek	OK121600-03-0180D	Ottawa	CIP	16690	07/08/99	8.30	81.67	0.00	23.25	0.00	6.50	0.00	6.70	74.51	22.5	S	90.00
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	16698	07/12/99	86.73	40.91	54.55	46.50	55.00	8.00	0.00	1.30	1740.74	6.75	S	80.00
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	14491	08/05/99	16.74	45.53	36.84	14.00	0.00	0.04	25.00	1.00	2110.23	4.75	S	100.00
Cow Creek	OK121600-04-0130G	Ottawa	CIP	17543	07/29/99	7.66	45.79	15.79	73.25	0.00	0.00	70.00	1.20	6.20	41.75	S	55.00
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	14492	07/28/99	10.91	44.50	30.00	67.00	5.00	0.11	70.00	1.20	17.27	36.50	S	60.00
Russell Creek	OK121600-04-0200G	Craig	CIP	17538	08/03/99	11.96	53.75	45.00	34.50	0.00	0.00	65.00	1.00	6.62	43.00	S	50.00
Bull Creek	OK121600-06-0200G	Craig	CIP	11871	08/26/98	10.83	87.27	9.09	67.00	25.00	1.12	15.00	1.20	26.85	44.00	T	65.00
PawPaw Creek	OK121600-06-0240G	Craig	CIP	11997	08/26/98	1.88	77.28	77.78	34.75	0.00	10.36	0.00	1.10	48.17	32.25	S	85.00
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	17554	07/28/99	31.85	48.90	30.00	0.25	30.00	6.00	50.00	1.10	1035.84	28.25	G	90.00
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	17553	07/27/99	76.08	12.00	20.00	14.00	75.00	11.00	100.00	1.00	142.01	73.25	G	50.00
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	17552	07/27/99	64.93	16.64	9.09	56.75	45.00	3.50	70.00	1.10	343.65	37.50	T	70.00
Pryor Creek	OK121610-00-0090N	Mayes	CIP	12025	08/14/98	2.73	84.21	57.89	41.00	0.00	1.00	0.00	1.20	20.89	68.00	T	85.00
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	21463	08/17/00	60.60	38.50	100.00	14.30	0.00	0.44	0.00	1.00	135.09	9.90	S	100.00

Site Name	WBID	County	E-Region	Sample ID	Date	Instream cover (% mix of stable habitat)	Pool Bottom Substrate (% silt, clay, bedrock and relative homogeneity)	Pool Variability (% pools >= .5 m)	Canopy Coverage (% shading, optimal ranges)	% Rocky Runs and Riffles	Flow at representative low flow (cfs)	Channel Alteration (% recent deposition, new point bars and islands)	Channel Sinuosity	Bank Stability Index ((avg. water width)/(avg bank slope*avg eroded bank ht.*% stream with eroded banks))	Bank Vegetative Stability (% stable, vegetated banks)	Streamside cover, Type (grass, shrub, tree)	% Coverage of Streamside Cover
Bird Creek	OK121300-03-0010A	Osage	COTP	21465	08/18/00	64.13	35.53	84.21	17.85	15.00	22.14	40.00	1.00	207.12	14.15	S	100.00
Clear Creek	OK121300-03-0200C	Osage	COTP	11886	09/02/98	27.29	75.00	38.46	22.25	30.00	0.93	35.00	1.10	262.21	18.50	S	95.00
Buck Creek	OK121400-04-0050C	Osage	COTP	11867	09/02/98	15.35	63.44	87.50	6.75	0.00	6.44	0.00	1.20	11350000.00	16.75	S	95.00
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	17557	08/03/99	9.36	84.00	60.00	29.75	10.00	1.00	30.00	1.20	23.75	75.00	S	40.00
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	17559	08/05/99	14.18	83.21	71.43	29.50	20.00	3.00	50.00	1.20	35.42	51.00	T	45.00
Glasses Creek	OK310800-01-0020M	Marshall	COTP	16045	06/08/99	26.95	64.29	23.81	24.58	20.83	2.77	75.00	1.10	12.08	29.38	S	95.83
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	16046	06/09/99	63.98	35.00	83.33	34.35	15.00	3.89	25.00	1.20	40.51	32.00	S	45.00
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	17537	06/29/99	4.41	65.29	0.00	22.75	10.00	0.83	100.00	1.10	3.32	31.50	S	100.00
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	17570	06/29/99	11.23	75.00	25.00	54.25	5.00	17.38	90.00	1.10	21.18	30.50	S	100.00
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	11907	09/29/98	57.85	14.33	66.67	63.00	30.00	25.81	0.00	1.35	5088.94	10.75	S	95.00
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	12070	09/29/98	4.25	78.44	68.75	35.75	5.00	37.86	0.00	1.10	643.94	44.25	S	50.00
Eastman Creek	OK410700-00-0230D	Bryan	COTP	16047	06/08/99	21.74	79.47	0.00	42.45	10.00	1.07	100.00	1.10	114.05	16.75	S	100.00
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	12134	09/01/98	18.99	72.65	35.29	6.25	5.00	0.85	100.00	1.00	32.80	21.75	S	100.00
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	17545	10/15/99	21.90	89.67	26.67	6.00	5.00	1.65	95.00	1.10	11.86	19.50	S	80.00
Turkey Creek	OK520510-00-0100E	Seminole	COTP	17540	06/17/99	11.85	82.50	60.00	20.75	5.00	3.70	80.00	1.20	23.28	47.00	S	75.00
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	17539	06/25/99	22.24	75.00	0.00	35.50	40.00	9.18	80.00	1.14	24.12	23.75	S	100.00
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	17572	06/28/99	2.71	100.00	0.00	13.25	0.00	2.12	100.00	1.00	90.91	18.00	S	100.00
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	17546	10/14/99	11.81	83.33	8.33	34.35	5.00	0.28	100.00	1.70	9.31	19.25	S	90.00
Captain Creek	OK520700-05-0140C	Lincoln	COTP	17321	08/28/98	2.34	90.00	25.00	17.50	0.00	6.48	65.00	1.01	7.88	48.25	S	55.00
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	17536	07/06/99	9.04	87.73	63.64	24.50	0.00	11.58	0.00	1.00	5.63	34.25	S	90.00
Little Deep Fork	OK520700-06-0130T	Creek	COTP	11956	08/14/98	4.69	87.08	16.67	45.25	0.00	6.50	95.00	1.30	8.48	47.25	S	55.00
Elm Creek	OK520810-00-0100C	Cleveland	COTP	17535	07/23/99	12.69	96.47	76.47	28.00	15.00	3.26	5.00	1.10	30.20	24.50	S	65.00
Lagoon Creek	OK620900-01-0180J	Creek	COTP	11947	08/04/98	35.85	59.21	10.53	16.00	5.00	0.01	90.00	1.40	29.12	30.50	S	90.00
Buckeye Creek	OK620900-01-0220G	Creek	COTP	11869	08/05/98	1.23	99.15	46.15	29.75	0.00	0.53	100.00	1.38	12.97	53.25	S	100.00
Euchee Creek	OK620900-01-0290R	Payne	COTP	11917	08/13/98	10.51	76.25	37.50	14.75	5.00	0.49	60.00	1.20	105.37	21.00	S	95.00
Council Creek	OK620900-02-0050H	Payne	COTP	17316	09/28/98	7.20	88.24	5.88	42.30	0.00	4.87	100.00	1.10	5.63	71.45	S	85.00
Doga Creek	OK621200-02-0020M	Osage	COTP	11904	09/22/98	72.48	34.12	52.94	34.60	20.00	0.10	70.00	1.60	5.71	70.65	S	95.00
Camp Creek	OK621200-03-0040F	Pawnee	COTP	11873	09/11/98	10.43	60.00	0.00	20.25	0.00	0.00	80.00	1.40	34.41	28.75	S	100.00
North Bird Creek	OK121300-03-0320M	Osage	FH	17324	09/02/98	28.60	29.67	53.33	0.50	0.00	13.60	0.00	1.00	9.54	43.25	S	80.00
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	11942	09/17/98	6.28	80.45	27.27	9.75	0.00	0.89	95.00	1.10	20.33	39.00	S	60.00
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	11943	09/18/98	19.45	51.94	44.44	11.75	10.00	0.23	100.00	1.10	94.48	15.25	S	100.00
North Buck Creek	OK121400-03-0210R	Osage	FH	11868	09/25/98	55.80	16.67	83.33	8.00	10.00	0.44	60.00	1.40	54.67	40.75	S	75.00
Sand Creek	OK121400-04-0010T	Osage	FH	12045	09/03/98	21.10	25.33	33.33	27.25	0.00	4.26	70.00	1.30	24.21	26.50	S	100.00

Site Name	WBID	County	E-Region	Sample ID	Date	Instream cover (% mix of stable habitat)	Pool Bottom Substrate (% silt, clay, bedrock and relative homogeneity)	Pool Variability (% pools >= .5 m)	Canopy Coverage (% shading, optimal ranges)	% Rocky Runs and Riffles	Flow at representative low flow (cfs)	Channel Alteration (% recent deposition, new point bars and islands)	Channel Sinuosity	Bank Stability Index ((avg. water width)/(avg bank slope*avg eroded bank ht.*% stream with eroded banks))	Bank Vegetative Stability (% stable, vegetated banks)	Streamside cover, Type (grass, shrub, tree)	% Coverage of Streamside Cover
Gray Horse Creek	OK621200-01-0400T	Osage	FH	11926	09/23/98	75.70	26.18	35.29	55.30	15.00	0.15	60.00	1.10	17.03	77.70	S	80.00
Salt Creek	OK621200-04-0010J	Osage	FH	21701	06/09/00	48.05	12.00	66.67	26.75	25.00	2.54	60.00	1.10	52.27	19.00	S	60.00
Little Chief Creek	OK621200-04-0070C	Osage	FH	11955	09/23/98	49.40	60.88	47.06	27.65	10.00	4.56	40.00	1.00	71.12	83.05	S	95.00
Saline Creek	OK121600-02-0030D	Mayes	OH	12036	08/12/98	79.58	3.40	40.00	2.35	90.00	7.50	100.00	1.00	31.88	43.25	S	65.00
Drowning Creek	OK121600-03-0090G	Delaware	OH	14486	08/04/99	36.82	18.13	31.25	17.14	0.00	7.12	90.48	1.10	62.93	27.62	S	80.95
Whitewater Creek	OK121600-03-0320G	Delaware	OH	17264	07/21/99	40.43	34.55	100.00	5.25	50.00	6.00	75.00	1.10	426.23	75.50	S	40.00
Lost Creek	OK121600-03-0560G	Ottawa	OH	17551	07/26/99	60.55	23.00	100.00	4.50	65.00	26.00	75.00	1.20	44.30	56.25	G	75.00
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	16777	06/17/99	18.68	64.44	88.89	6.25	10.00	22.00	0.00	1.05	30050000.00	10.00	S	50.00
Pine Creek	OK410300-03-0580C	Pushmataha	OM	12020	09/28/98	89.38	5.36	85.71	1.50	40.00	3.50	0.00	1.10	16950000.00	3.75	S	100.00
Dry Creek	OK410310-01-0070C	Pushmataha	OM	11906	09/23/98	49.86	25.75	25.00	29.00	55.00	10.16	100.00	1.10	5979.09	12.75	S	100.00
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	11861	09/24/98	42.60	47.27	63.64	6.75	55.00	5.88	15.00	1.20	180.07	26.00	S	65.00

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	92	2	94	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	4	0	4	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	0	1	1	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	0	1	1	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	1	0	1	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	3	0	3	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	1	1	2	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	20	17	37	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	4	28	32	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	1	0	1	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	6	0	6	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	2	0	2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	17	6	23	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	50	47	97	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	3	1	4	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	0	2	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	1	0	1	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	1	0	1	143	Centrarchidae	Pomoxis nigromaculatus	Black crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	1	0	1	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	2	0	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	1	0	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	12041	08/20/98	3012	75	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	6.00	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	7.00	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	17	0	17	13.00	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	88	0	88	23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	4	1	5	28.00	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	5	2	7	31.00	Cyprinidae	Cyprinella whipplei	Steelcolor shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	32.00	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	42.00	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	2	3	5	53.00	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	8	0	8	72.00	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	11	3	14	75.00	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	2	0	2	79.00	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	2	0	2	87.00	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	5	0	5	90.00	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	1	2	93.00	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	97.00	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	105.00	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	3	0	3	107.00	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	11	1	12	118.00	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	0	41	41	119.00	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	28	0	28	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	2	0	2	131.00	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	5	1	6	132.00	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	11	0	11	133.00	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	183	7	190	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	7	1	8	140.00	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	5	0	5	141.00	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	5	0	5	142.00	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	5	0	5	161.00	Percidae	Etheostoma radiosum	Orangebelly darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	1	0	1	164.00	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	2	0	2	174.00	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	21714	08/10/00	5000	60	11	0	11	179.00	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	48	5	53	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	24	12	36	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	0	3	3	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	2	14	16	49	Cyprinidae	Notropis atherinoides	Emerald shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	2	8	10	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	1	0	1	90.5	Catostomidae	Moxostoma	Redhorse sucker	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	1	0	1	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	4	0	4	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	70	0	70	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	1	0	1	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	5	2	7	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	6	3	9	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	1	33	34	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	13	0	13	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	1	1	2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	19	7	26	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	27	17	44	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	0	2	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	3	10	13	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	12	0	12	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	2	2	4	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	17909	08/04/99	3893	85	2	0	2	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	1	1	2	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	10	0	10	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	2	1	3	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	8	33	41	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	8	4	12	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	9	0	9	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	3	1	4	101	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	3	0	3	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	14	5	19	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	21	3	24	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	3	6	9	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	4	0	4	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	1	1	2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	7	6	13	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	15	9	24	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	0	1	1	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	3	0	3	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	0	2	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
San Bois Creek	OK220200-04-0010W	Pittsburg	12042	09/28/98	3847	70	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	2		2	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	69		69	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	1	1	2	31	Cyprinidae	Cyprinella whipplei	Steelcolor shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	0	7	7	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	3		3	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	5		5	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	1		1	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	22		22	101	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	2		2	115	Fundulidae	Fundulus olivaceus	Blackspotted topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	0	2	2	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	40		40	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	2		2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	35	1	36	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	4		4	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	3		3	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	3		3	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	3		3	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	1	0	1	200.01	Percidae	Etheostoma	Unidentified Etheostoma sp. (darter)	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	3	0	3	200.02	Centrarchidae	Micropterus	Unidentified Micropterus sp. (bass)	Interm	FALSE	FALSE	FALSE	FALSE	FALSE
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	16762	06/16/99	4478	65	1	0	1	300.01	Centrarchidae	Unidentified Lepomis hybrid	Sunfish hybrid	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	1	0	1	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	76	40	116	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	0	7	7	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	5	0	5	49	Cyprinidae	Notropis atherinoides	Emerald shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	13	5	18	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	2	2	4	84	Catostomidae	Erimyzon oblongus	Creek chubsucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	1	0	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	24	10	34	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	11	0	11	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	28	48	76	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	7	5	12	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	51	238	289	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	90	20	110	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	11	1	12	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	4	0	4	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	7	7	14	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	87	77	164	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	9	12	21	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	2	3	5	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	7	2	9	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	19	3	22	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	0	1	1	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Longtown Creek	OK220600-01-0070G	Pittsburg	11974	08/25/98	1841	45	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	2	0	2	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	0	2	2	14	Clupeidae	Dorosoma petenense	Threadfin shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	42	2	44	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	1	0	1	46	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	3	0	3	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	6	1	7	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	3	0	3	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	5	0	5	115	Fundulidae	Fundulus olivaceus	Blackspotted topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	1	0	1	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	5	13	18	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	5	0	5	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	0	1	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	2	0	2	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	12	12	24	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	0	1	1	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	0	2	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	2	2	4	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	1	0	1	143	Centrarchidae	Pomoxis nigromaculatus	Black crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	4	0	4	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	2	0	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gaines Creek	OK220600-04-0010F	Latimer	17558	08/02/99	3952	95	2	0	2	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	1	0	1	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	0	12	12	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	6	10	16	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	0	3	3	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	3	0	3	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	5	13	18	115	Fundulidae	Fundulus olivaceus	Blackspotted topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	3	12	15	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	2	19	21	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	8	1	9	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	3	4	7	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	0	3	3	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	17	51	68	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	0	3	3	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	1	4	5	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	0	4	4	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Beaver Creek	OK220600-04-0030G	Latimer	11844	09/22/98	2903	80	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	2	1	3	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	145	506	651	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	33	73	106	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	11	15	26	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	3	0	3	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	7	0	7	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	7	27	34	117	Fundulidae	Fundulus zebrinus	Plains killifish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	41	16	57	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	27	1	28	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	4	0	4	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	2	0	2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	11	0	11	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	20	0	20	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	3	0	3	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Willow Creek	OK520610-01-0080G	Cleveland	17547	10/28/99	2570	70	8	6	14	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	75	70	145	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	17	28	45	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	11	3	14	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	18	0	18	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	9	0	9	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	18	2	20	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	0	1	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	40	48	88	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	17571	07/08/99	4295	90	0	4	4	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	0	3	3	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	147	23	170	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	0	5	5	27	Cyprinidae	Cyprinella camura	Bluntface shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	5	39	44	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	10	38	48	61	Cyprinidae	Notropis nubilus	Ozark minnow	Intol	FALSE	FALSE	FALSE	TRUE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	3	5	8	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	7	1	8	92	Catostomidae	Moxostoma duquesnei	Black redhorse	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	9	1	10	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	1	0	1	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	7	0	7	101	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	10	11	21	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	0	4	4	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	5	167	172	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	38	2	40	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	14	0	14	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	30	2	32	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	52	6	58	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	1	5	6	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	2	1	3	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	2	0	2	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	3	0	3	152	Percidae	Etheostoma flabellare	Fantail darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	2	0	2	160	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	7	2	9	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	2	0	2	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Greenleaf Creek	OK120400-01-0120C	Muskogee	11930	08/19/98	3625	70	5	3	8	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	2	6	8	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	4	0	4	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	52	67	119	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	6	4	10	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	0	1	1	90.5	Catostomidae	Moxostoma	Redhorse sucker	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	14	0	14	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	1	1	2	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	1	2	3	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	2	2	4	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	1	8	9	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	0	1	1	122	Percichthyidae	Morone chrysops	White bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	23	5	28	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	1	0	1	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	0	1	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	8	3	11	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	10	4	14	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	5	12	17	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Rabb Creek	OK121400-01-0090D	Rogers	17555	07/29/99	2264	65	5	1	6	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		93	0	93	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		98	0	98	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		6	0	6	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		7	0	7	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		23	0	23	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		10	0	10	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		5	0	5	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		14	0	14	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		204	0	204	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		118	0	118	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		51	0	51	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		9	0	9	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		24	0	24	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		18	0	18	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		1	0	1	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		8	0	8	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hogshooter Creek	OK121400-01-0300J	Washington	11939	09/04/98	2091		4	0	4	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	5	29	34	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	15	30	45	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	0	3	3	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	2	0	2	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	4	1	5	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	0	2	2	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	56	5	61	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	7	1	8	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	2	0	2	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	0	1	1	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	7	0	7	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lightning Creek	OK121510-01-0130M	Nowata	17574	08/06/99	4530	60	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	37	42	79	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	5	68	73	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	1	1	2	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	1	1	2	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	11	5	16	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	0	5	5	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	1	0	1	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	22	0	22	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	1	2	3	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	12	14	26	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	0	3	3	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	22	5	27	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	1	0	1	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	7	7	14	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	6	2	8	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	11	21	32	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	0	1	1	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	0	4	4	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	4	1	5	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	23	0	23	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	2	0	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	0	1	1	173	Percidae	Percina phoxocephala	Slenderhead darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
California Creek	OK121510-02-0050C	Nowata	17533	08/09/99	4601	75	2	0	2	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	0	1	1	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	173	13	186	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	22	22	44	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	0	2	2	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	2	0	2	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	4	5	9	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	0	1	1	87	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	1	0	1	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	4	0	4	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	6	0	6	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	4	0	4	102	Ictaluridae	Noturus flavus	Stonecat	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	7	0	7	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	1	1	2	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	25	2	27	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	0	25	25	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	81	1	82	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	5	0	5	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	56	2	58	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	20	1	21	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	6	11	17	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	1	1	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	16	3	19	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	5	0	5	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	0	1	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Snow Creek	OK121510-02-0250F	Nowata	17986	08/11/99	4669	50	3	0	3	300.01	Centrarchidae	Unidentified Lepomis hybrid	Sunfish hybrid	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	83	12	95	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	24	40	64	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	0	6	6	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	5	0	5	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	3	6	9	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	1	1	2	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	2	0	2	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	42	2	44	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	8	0	8	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	2	0	2	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	1	2	3	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	6	15	21	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	0	11	11	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	31	3	34	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	4	0	4	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	17	5	22	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	18	4	22	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	24	29	53	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	10	9	19	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	2	1	3	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	27	1	28	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	3	3	6	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Big Creek	OK121510-03-0010G	Nowata	17534	08/10/99	3683	60	4	0	4	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	287	470	757	23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	0	1	32.00	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	31	255	286	39.00	Cyprinidae	Luxilus cardinalis	Cardinal shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	3	2	5	45.00	Cyprinidae	Nocomis asper	Redspot chub	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	0	1	46.00	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	0	1	58.01	Cyprinidae	Notropis greenei--MOST LIKELY ID	Wedgespot shiner--MOST LIKELY ID		FALSE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	17	175	192	61.00	Cyprinidae	Notropis nubilus	Ozark minnow	Intol	FALSE	FALSE	FALSE	TRUE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	0	6	6	66.00	Cyprinidae	Notropis rubellus	Rosyface shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	10	0	10	72.00	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	1	2	78.00	Cyprinidae	Semotilus atromaculatus	Creek chub	Interm	FALSE	FALSE	FALSE	FALSE	TRUE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	10	4	14	86.00	Catostomidae	Hypentelium nigricans	Northern hog sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	0	1	90.00	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	2	9	11	92.00	Catostomidae	Moxostoma duquesnei	Black redhorse	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	0	1	97.00	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	2	0	2	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	24	0	24	101.00	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	4	5	118.00	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	0	5	5	119.00	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	40	0	40	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	35	0	35	131.00	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	21	0	21	133.00	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	60	17	77	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	1	2	139.00	Centrarchidae	Micropterus dolomieui	Smallmouth bass	Intol	FALSE	FALSE	TRUE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	2	1	3	141.00	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	1	2	148.00	Percidae	Etheostoma blennioides	Greenside darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	5	0	5	152.00	Percidae	Etheostoma flabellare	Fantail darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	0	1	160.00	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	31	0	31	162.00	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	14	9	23	167.00	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourteenmile Creek	OK121600-01-0100C	Cherokee	11922	08/05/98	4451	120	1	0	1	168.00	Percidae	Percina copelandi	Channel darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	0	3	3	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	2	0	2	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	18	9	27	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	1	11	12	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	33	0	33	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	6	0	6	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	7	3	10	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	4	9	13	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	8	15	23	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	3	0	3	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	34	1	35	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	3	2	5	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	7	9	16	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	53	42	95	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	2	2	4	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	4	5	9	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	7	15	22	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	1	0	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Chouteau Creek	OK121600-01-0430M	Mayes	11882	08/21/98	3180	90	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	0	1	1	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	30	0	30	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	9	1	10	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	31	18	49	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	0	26	26	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	83	3	86	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	21	0	21	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	99	37	136	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	3	3	6	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	0	4	4	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	11	4	15	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	23	5	28	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	5	0	5	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Horse Creek	OK121600-03-0160G	Ottawa	17263	07/20/99	3604	65	0	1	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	577	18	595	23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	1	0	1	79.00	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	2	0	2	97.00	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	4	0	4	118.00	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	46	0	46	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	1	0	1	131.00	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	9	0	9	133.00	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	2	0	2	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	27	0	27	141.00	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	13	0	13	151.00	Percidae	Etheostoma cragini	Arkansas darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	155	0	155	162.00	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	1	0	1	164.00	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	11	1	12	167.00	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fly Creek	OK121600-03-0180G	Ottawa	16690	07/08/99	3784	60	4	0	4	200.07	Centrarchidae	Lepomis	Unidentified Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	1	0	1	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	2	2	4	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	0	1	1	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	2	1	3	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	6	0	6	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	6	0	6	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	5	9	14	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	95	2	97	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	23	0	23	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	46	1	47	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	10	1	11	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	15	2	17	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	0	5	5	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	24	0	24	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	2	0	2	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	7	1	8	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	1	0	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Little Horse Creek	OK121600-03-0190A	Ottawa	16698	07/12/99	4877	75	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	1	0	1	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	1	0	1	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	4	3	7	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	1	0	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	3	0	3	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	2	0	2	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	17	26	43	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	0	2	2	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	0	5	5	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	32	0	32	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	5	0	5	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	46	5	51	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	6	1	7	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	1	1	2	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	7	6	13	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Hudson Creek	OK121600-04-0040G	Ottawa	14491	08/05/99	4130	90	9	2	11	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	0	2	2	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	0	2	2	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	9	28	37	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	2	0	2	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	6	10	16	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	4	1	5	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	13	0	13	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	6	5	11	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	2	2	4	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	32	11	43	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	4	1	5	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	10	4	14	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	8	3	11	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	2	2	4	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	3	14	17	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	4	2	6	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	1	3	4	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	3	6	9	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	0	3	3	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Cow Creek	OK121600-04-0130G	Ottawa	17543	07/29/99	4015	75	1	0	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	10	7	17	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	9	0	9	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	1	8	9	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	3	1	4	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	36	36	72	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	5	0	5	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	30	0	30	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	2	11	13	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	15	24	39	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	1	10	11	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	9	10	19	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	10	0	10	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	4	2	6	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	43	16	59	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	5	6	11	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	22	1	23	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fourmile Creek	OK121600-04-0170G	Ottawa	14492	07/28/99	4608	90	1	0	1	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	1	1	2	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	34	39	73	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	3	217	220	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	0	28	28	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	1	54	55	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	12	4	16	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	0	1	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	5	6	11	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	9	0	9	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	3	0	3	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	1	0	1	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	8	9	17	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	6	8	14	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	0	161	161	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	25	10	35	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	4	0	4	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	9	4	13	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	19	13	32	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	5	29	34	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	2	12	14	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	13	4	17	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	1	0	1	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Russell Creek	OK121600-04-0200G	Craig	17538	08/03/99	5026	100	1	0	1	182	Abundant hybrids	Morone chrysops x Morone saxatilis	Wiper	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	5	0	5	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	65	4	69	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	77	59	136	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	9	0	9	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	0	4	4	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	2	0	2	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	310	57	367	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	0	1	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	2	1	3	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	4	1	5	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	62	32	94	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	2	11	13	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	3	0	3	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	5	3	8	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	2	0	2	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	1	3	4	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	5	2	7	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	9	1	10	165	Percidae	Etheostoma zonale	Banded darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bull Creek	OK121600-06-0200G	Craig	11871	08/26/98	2491	60	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	0	2	2	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	0	14	14	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	0	13	13	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	0	1	1	46	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	3	9	12	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	0	1	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	2	0	2	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	4	4	8	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	2	15	17	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	9	1	10	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	1	2	3	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	4	2	6	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	4	6	10	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	1	1	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	1	1	2	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	1	1	2	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	1	2	3	165	Percidae	Etheostoma zonale	Banded darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	0	1	1	168	Percidae	Percina copelandi	Channel darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	2	63	65	200.07	Centrarchidae	Lepomis	Unidentified Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
PawPaw Creek	OK121600-06-0240G	Craig	11997	08/26/98	3451	90	1	0	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	57	118	175	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	11	57	68	39	Cyprinidae	Luxilus cardinalis	Cardinal shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	0	78	78	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	12	8	20	82	Catostomidae	Catostomus commersoni	White sucker	Intol	TRUE	FALSE	FALSE	FALSE	TRUE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	4	0	4	86	Catostomidae	Hypentelium nigricans	Northern hog sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	7	5	12	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	286	3	289	121	Cottidae	Cottus carolinae	Banded sculpin	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	18	2	20	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	6	0	6	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	13	29	42	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	8	13	21	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	11	0	11	152	Percidae	Etheostoma flabellare	Fantail darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Warren Branch Creek	OK121600-07-0050G	Ottawa	17554	07/28/99	3952	65	7	2	9	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		138	1	139	23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		42	151	193	39.00	Cyprinidae	Luxilus cardinalis	Cardinal shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		8	1	9	45.00	Cyprinidae	Nocomis asper	Redspot chub	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		0	11	11	61.00	Cyprinidae	Notropis nubilus	Ozark minnow	Intol	FALSE	FALSE	FALSE	TRUE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		3	0	3	86.00	Catostomidae	Hypentelium nigricans	Northern hog sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		13	0	13	92.00	Catostomidae	Moxostoma duquesnei	Black redhorse	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		17	0	17	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		12	0	12	101.00	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		18	0	18	121.00	Cottidae	Cottus carolinae	Banded sculpin	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		24	0	24	125.00	Centrarchidae	Amboplites ariommus	Shadow bass	Intol	TRUE	FALSE	FALSE	FALSE	TRUE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		22	0	22	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		1	0	1	131.00	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		10	4	14	133.00	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		20	13	33	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		16	9	25	139.00	Centrarchidae	Micropterus dolomieui	Smallmouth bass	Intol	FALSE	FALSE	TRUE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		7	0	7	152.00	Percidae	Etheostoma flabellare	Fantail darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		5	0	5	160.00	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		30	0	30	162.00	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Fivemile Creek	OK121600-07-0110G	Ottawa	17553	07/27/99	4484		3	0	3	179.00	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	97	11	108	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	28	42	70	39	Cyprinidae	Luxilus cardinalis	Cardinal shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	6	0	6	45	Cyprinidae	Nocomis asper	Redspot chub	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	6	1	7	61	Cyprinidae	Notropis nubilus	Ozark minnow	Intol	FALSE	FALSE	FALSE	TRUE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	43	1	44	78	Cyprinidae	Semotilus atromaculatus	Creek chub	Interm	FALSE	FALSE	FALSE	FALSE	TRUE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	2	0	2	86	Catostomidae	Hypentelium nigricans	Northern hog sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	7	0	7	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	9	0	9	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	6	0	6	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	20	0	20	101	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	1	0	1	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	5	6	11	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	10	0	10	121	Cottidae	Cottus carolinae	Banded sculpin	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	21	1	22	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	7	0	7	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	24	8	32	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	54	22	76	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	2	3	5	139	Centrarchidae	Micropterus dolomieui	Smallmouth bass	Intol	FALSE	FALSE	TRUE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	3	6	9	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	6	0	6	152	Percidae	Etheostoma flabellare	Fantail darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	9	0	9	160	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	38	0	38	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Fivemile Creek	OK121600-07-0120D	Ottawa	17552	07/27/99	3243	75	2	0	2	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	0	3	3	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	2	0	2	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	16	52	68	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	5	0	5	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	4	2	6	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	25	11	36	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	0	1	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	3	0	3	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	1	1	2	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	2	0	2	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	4	21	25	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	6	0	6	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	5	0	5	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	10	0	10	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	1	0	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	13	1	14	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	28	1	29	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	1	1	2	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	1	0	1	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	1	0	1	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Pryor Creek	OK121610-00-0090N	Mayes	12025	08/14/98	3610	70	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	2	0	2	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	2	0	2	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	9	0	9	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	3	0	3	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	0	1	1	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	2	4	6	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	1	0	1	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	3	0	3	87	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	1	0	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	1	0	1	90.5	Catostomidae	Moxostoma	Redhorse sucker	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	1	0	1	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	0	3	3	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	2	0	2	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	1	0	1	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	0	2	2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	5	9	14	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	31	14	45	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	11	2	13	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	9	3	12	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	5	1	6	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	1	0	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Candy Creek: Site # 1	OK121300-02-0080G	Osage	21463	08/17/00	3804	120	9	0	9	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	3	1	4	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	6	0	6	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	10	2	12	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	342	486	828	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	0	2	2	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	19	1	20	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	8	3	11	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	69	30	99	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	3	0	3	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	7	1	8	87	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	4	0	4	90.5	Catostomidae	Moxostoma	Redhorse sucker	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	2	0	2	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	57	5	62	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	7	0	7	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	6	1	7	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	1	1	2	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	3	6	9	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	18	29	47	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	0	1	1	122	Percichthyidae	Morone chrysops	White bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	11	0	11	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	24	2	26	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	19	1	20	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	2	10	12	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	12	9	21	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	5	1	6	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	1	1	2	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	0	1	1	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	9	2	11	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	28	3	31	173	Percidae	Percina phoxocephala	Slenderhead darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	5	0	5	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	8	0	8	300.01	Centrarchidae	Unidentified Lepomis hybrid	Sunfish hybrid	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Bird Creek	OK121300-03-0010A	Osage	21465	08/18/00	5147	180	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	102	27	129	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	0	2	2	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	9	1	10	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	0	3	3	92	Catostomidae	Moxostoma duquesnei	Black redhorse	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	1	0	1	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	4	0	4	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	2	0	2	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	5	0	5	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	0	17	17	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	10	0	10	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	1	0	1	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	1	0	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	4	0	4	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	5	23	28	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	21	31	52	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	8	2	10	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	4	0	4	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	2	0	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Clear Creek	OK121300-03-0200C	Osage	11886	09/02/98	3841	70	8	1	9	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	1	11	12	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	11	0	11	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	0	1	1	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	29	22	51	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	3	1	4	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	1	0	1	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	1	0	1	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	8	3	11	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	30	4	34	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	5	11	16	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	49	0	49	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	2	1	3	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	1	18	19	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	15	8	23	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	25	3	28	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	2	2	4	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	1	0	1	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	0	27	27	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	1	0	1	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	2	0	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	14	0	14	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Buck Creek	OK121400-04-0050C	Osage	11867	09/02/98	3504	85	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	1	0	1	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	177	15	192	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	1	2	3	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	1	0	1	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	11	1	12	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	1	0	1	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	4	1	5	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	1	1	2	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	45	10	55	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	1	11	12	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	10	0	10	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	6	3	9	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	5	12	17	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	19	46	65	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	0	5	5	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	1	0	1	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	0	1	1	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	58	2	60	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	17557	08/03/99	3965	85	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	1	0	1	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	0	2	2	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	86	3	89	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	1	3	4	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	1	0	1	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	0	8	8	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	0	2	2	87	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	2	0	2	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	12	0	12	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	16	1	17	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	3	0	3	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	3	0	3	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	1	1	2	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	14	0	14	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	3	2	5	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	35	28	63	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	3	5	8	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	1	4	5	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	24	0	24	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Peaceable Creek	OK220600-03-0050M	Pittsburg	17559	08/05/99	4884	95	3	0	3	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	24	32	56	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	6	54	60	30	Cyprinidae	Cyprinella venusta	Blacktail shiner	Interm	TRUE	FALSE	FALSE	TRUE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	1	2	3	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	19	7	26	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	1	3	4	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	1	1	2	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	1	0	1	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	5	1	6	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	0	7	7	115	Fundulidae	Fundulus olivaceus	Blackspotted topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	10	6	16	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	0	7	7	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	62	19	81	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	3	0	3	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	60	25	85	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	38	45	83	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	1	2	3	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	2	7	9	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	85	3	88	161	Percidae	Etheostoma radiosum	Orangebelly darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Glasses Creek	OK310800-01-0020M	Marshall	16045	06/08/99	5200	90	0	1	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	31	28	59	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	9	256	265	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	2	9	11	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	33	4	37	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	1	4	5	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	5	23	28	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	17	4	21	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	4	3	7	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	12	11	23	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	1	1	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	0	3	3	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	1	0	1	143	Centrarchidae	Pomoxis nigromaculatus	Black crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Oil Creek	OK310800-01-0240P	Carter/Johnson	16046	06/09/99	4572	90	59	9	68	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	31	11	42	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	100	125	225	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	0	7	7	30	Cyprinidae	Cyprinella venusta	Blacktail shiner	Interm	TRUE	FALSE	FALSE	TRUE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	2	4	6	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	0	1	1	46	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	34	44	78	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	10	11	21	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	9	27	36	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	7	5	12	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	0	7	7	88	Catostomidae	Ictiobus cyprinellus	Largemouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	1	6	7	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	69	0	69	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	1	23	24	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	19	6	25	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	15	3	18	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	2	11	13	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	8	34	42	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	1	1	2	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	19	28	47	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	0	1	1	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Sand Branch Creek	OK310800-02-0040C	Carter	17537	06/29/99	5491	90	2	0	2	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	0	1	1	14	Clupeidae	Dorosoma petenense	Threadfin shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	77	15	92	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	38	559	597	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	11	16	27	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	25	2	27	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	34	0	34	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	40	1	41	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	4	94	98	117	Fundulidae	Fundulus zebrinus	Plains killifish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	4	3	7	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	11	0	11	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	1	0	1	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	15	0	15	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	3	0	3	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	23	10	33	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	24	0	24	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Chigley Sandy Creek	OK310800-02-0190K	Murray	17570	06/29/99	4744	90	1	1	2	200.09	Catostomidae	Ictiobus	Unidentified Ictiobus sp. (smallmouth buffalo)	Interm	FALSE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	33	3	36	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	17	3	20	31	Cyprinidae	Cyprinella whipplei	Steelcolor shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	0	1	1	42.01	Cyprinidae	Lythrurus--MOST LIKELY ID	Redfin shiner--MOST LIKELY ID	Interm	FALSE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	5	0	5	49	Cyprinidae	Notropis atherinoides	Emerald shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	23	1	24	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	1	0	1	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	13	0	13	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	2	0	2	109	Aphredoderidae	Aphredoderus sayanus	Pirate perch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	17	10	27	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	1	0	1	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	1	5	6	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	46	1	47	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	1	0	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	6	0	6	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	74	11	85	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	2	1	3	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	1	0	1	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	0	1	1	154	Percidae	Etheostoma gracile	Slough darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	14	1	15	161	Percidae	Etheostoma radiosum	Orangebelly darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dumpling Creek	OK410300-03-0210C	Pushmataha	11907	09/29/98	3670	70	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	1	0	1	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	0	1	1	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	12	0	12	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	1	0	1	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	2	0	2	30	Cyprinidae	Cyprinella venusta	Blacktail shiner	Interm	TRUE	FALSE	FALSE	TRUE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	3	44	47	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	9	3	12	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	11	1	12	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	4	1	5	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	0	1	1	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	16	0	16	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	1	0	1	103	Ictaluridae	Noturus gyrinus	Tadpole madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	4	6	10	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	15	1	16	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	6	22	28	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	12	0	12	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	1	0	1	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	5	2	7	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	19	28	47	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	3	2	5	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	2	0	2	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	8	0	8	161	Percidae	Etheostoma radiosum	Orangebelly darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Tenmile Creek	OK410300-03-0270M	Pushmataha	12070	09/29/98	3976	80	1	0	1	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	246	116	362	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	78	86	164	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	0	3	3	30	Cyprinidae	Cyprinella venusta	Blacktail shiner	Interm	TRUE	FALSE	FALSE	TRUE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	0	1	1	46	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	478	392	870	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	8	2	10	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	29	22	51	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	88	0	88	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	9	7	16	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	44	30	74	117	Fundulidae	Fundulus zebrinus	Plains killifish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	10	4	14	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	4	0	4	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	7	0	7	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	66	11	77	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	13	12	25	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Eastman Creek	OK410700-00-0230D	Bryan	16047	06/08/99	3511	90	3	0	3	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	7	7	13.00	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	98	98	14.00	Clupeidae	Dorosoma petenense	Threadfin shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	7	0	7	23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	70	63	133	28.00	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	2	0	2	42.00	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	2	2	68.00	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	15	4	19	70.00	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	8	94	102	75.00	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	1	1	79.00	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	22	32	54	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	13	1	14	107.00	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	9	4	13	118.00	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	1	1	119.00	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	6	0	6	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	4	4	132.00	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	32	42	74	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	1	1	2	141.00	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	1	1	167.00	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010E	Hughes	12134	09/01/98	3000	90	0	0	17	9999.55		Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	0	4	4	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	1	0	1	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	30	184	214	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	3	197	200	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	4	1	5	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	3	8	11	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	1	0	1	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	4	0	4	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	5	0	5	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	164	13	177	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	95	6	101	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	8	10	18	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	0	1	1	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	16	24	40	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	4	14	18	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Wewoka Creek	OK520500-02-0010T	Seminole	17545	10/15/99	4464	120	0	2	2	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	10	207	217	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	0	15	15	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	2	1	3	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	1	51	52	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	1	0	1	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	1	1	2	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	2	3	5	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	0	21	21	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	0	3	3	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	3	16	19	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	0	14	14	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Turkey Creek	OK520510-00-0100E	Seminole	17540	06/17/99	3200	120	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	24	3	27	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	6	18	24	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	6	3	9	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	7	0	7	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	0	2	2	117	Fundulidae	Fundulus zebrinus	Plains killifish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	1	0	1	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	16	0	16	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	4	1	5	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	13	10	23	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Factory Creek	OK520600-01-0060P	Pontotoc	17539	06/25/99	4950	75	11	5	16	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	0	1	1	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	4	0	4	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	37	43	80	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	8	0	8	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	26	28	54	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	18	0	18	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	8	11	19	117	Fundulidae	Fundulus zebrinus	Plains killifish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	6	1	7	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	16	0	16	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	2	0	2	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	2	0	2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	1	0	1	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	4	0	4	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	14	2	16	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Julian Creek	OK520600-02-0170B	Pottawatomie	17572	06/28/99	3108	60	0	2	2	200.09	Catostomidae	Ictiobus	Unidentified Ictiobus sp. (smallmouth buffalo)	Interm	FALSE	FALSE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	12	0	12	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	208	70	278	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	145	39	184	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	20	3	23	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	74	12	86	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	2	0	2	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	2	0	2	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	1	0	1	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	4	0	4	117	Fundulidae	Fundulus zebrinus	Plains killifish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	251	51	302	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	41	0	41	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	2	2	4	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	1	0	1	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	4	3	7	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Spring Brook Creek	OK520600-03-0030E	Pontotoc	17546	10/14/99	3596	90	1	0	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	36	95	131	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	80	157	237	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	49	7	56	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	1	0	1	73	Cyprinidae	Pimephales promelas	Fathead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	18	17	35	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	2	1	3	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	28	1	29	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	76	25	101	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	0	8	8	117	Fundulidae	Fundulus zebrinus	Plains killifish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	10	30	40	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	52	3	55	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	3	1	4	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	5	20	25	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Captain Creek	OK520700-05-0140C	Lincoln	11875	08/27/98	3769	100	2	1	3	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	173	119	292	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	2	1	3	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	25	19	44	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	7	5	12	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	8	20	28	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	6	2	8	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	3	2	5	87	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	5	0	5	88	Catostomidae	Ictiobus cyprinellus	Largemouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	8	4	12	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	1	0	1	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	55	1	56	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	7	7	14	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	23	4	27	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	3	2	5	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Opossum Creek	OK520700-05-0200C	Cleveland	17536	07/06/99	4254	90	1	0	1	300.01	Centrarchidae	Unidentified Lepomis hybrid	Sunfish hybrid	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	16	39	55	28.00	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	5	0	5	32.00	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	1	0	1	46.00	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	3	4	7	68.00	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	2	4	6	70.00	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	20	24	44	75.00	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	2	0	2	97.00	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	5	2	7	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	8	1	9	105.00	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	1	0	1	107.00	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	21	106	127	118.00	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	67	2	69	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	1	0	1	132.00	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	12	6	18	133.00	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	75	25	100	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	22	8	30	140.00	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Deep Fork	OK520700-06-0130T	Creek	11956	08/14/98	3400	75	1	0	1	143.00	Centrarchidae	Pomoxis nigromaculatus	Black crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	6	0	6	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	30	0	30	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	32	25	57	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	5	0	5	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	3	0	3	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	5	0	5	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	3	0	3	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	5	0	5	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	0	1	1	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	1	0	1	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	24	0	24	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	9	1	10	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	51	59	110	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	0	3	3	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	10	6	16	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	1	0	1	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	1	0	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Elm Creek	OK520810-00-0100C	Cleveland	17535	07/23/99	6298	90	3	0	3	300.01	Centrarchidae	Unidentified Lepomis hybrid	Sunfish hybrid	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		4	3	7	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		3	0	3	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		21	54	75	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		1	1	2	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		18	3	21	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		14	15	29	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		0	9	9	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		0	3	3	87	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		0	1	1	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		16	0	16	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		10	1	11	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		14	0	14	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		1	0	1	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		12	0	12	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		1	6	7	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		25	0	25	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		3	0	3	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		0	1	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		22	18	40	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		50	122	172	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		0	3	3	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		1	9	10	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		0	7	7	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		1	0	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		4	0	4	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Lagoon Creek	OK620900-01-0180J	Creek	11947	08/04/98	4653		0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	18	11	29	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	1	0	1	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	36	20	56	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	6	0	6	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	3	2	5	36	Cyprinidae	Hybognathus placitus	Plains minnow	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	2	0	2	49	Cyprinidae	Notropis atherinoides	Emerald shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	5	1	6	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	2	0	2	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	39	14	53	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	4	1	5	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	8	0	8	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	12	1	13	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	1	0	1	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	17	0	17	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	0	1	1	122	Percichthyidae	Morone chrysops	White bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	14	0	14	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	10	5	15	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	7	22	29	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	0	1	1	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	0	1	1	139	Centrarchidae	Micropterus dolomieui	Smallmouth bass	Intol	FALSE	FALSE	TRUE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	15	3	18	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	0	1	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Buckeye Creek	OK620900-01-0220G	Creek	11869	08/05/98	3670	90	0	2	2	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	363	56	419	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	25	3	28	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	25	6	31	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	0	1	1	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	6	0	6	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	3	1	4	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	2	0	2	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	5	3	8	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	34	2	36	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	10	4	14	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	4	0	4	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	31	18	49	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	0	1	1	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	6	1	7	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	0	0	0	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	1	0	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Euchee Creek	OK620900-01-0290R	Payne	11917	08/13/98	4307	90	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	0	1	1	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	1	0	1	14	Clupeidae	Dorosoma petenense	Threadfin shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	3	0	3	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	275	148	423	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	5	3	8	36	Cyprinidae	Hybognathus placitus	Plains minnow	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	77	17	94	49	Cyprinidae	Notropis atherinoides	Emerald shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	40	32	72	68	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	14	1	15	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	50	42	92	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	0	3	3	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	1	0	1	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	9	15	24	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	3	0	3	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	45	6	51	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	13	1	14	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	0	1	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	25	30	55	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	4	1	5	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Council Creek	OK620900-02-0050H	Payne	11893	09/29/98	2419	75	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	13	1	14	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	0	1	1	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	2	10	12	49	Cyprinidae	Notropis atherinoides	Emerald shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	5	14	19	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	20	1	21	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	4	32	36	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	1	0	1	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	2	0	2	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	2	11	13	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	27	10	37	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	0	1	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	1	1	2	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	29	21	50	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	7	10	17	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Doga Creek	OK621200-02-0020M	Osage	11904	09/22/98	3700	90	4	3	7	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	5	0	5	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	18	2	20	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	16	9	25	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	26	2	28	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	81	56	137	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	1	21	22	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	1	0	1	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	16	4	20	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	2	0	2	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	3	1	4	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	4	0	4	105	Ictaluridae	Noturus nocturnus	Freckeled madtom	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	4	0	4	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	0	3	3	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	3	4	7	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	133	34	167	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	6	0	6	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	163	59	222	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	13	10	23	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	0	1	1	142	Centrarchidae	Pomoxis annularis	White crappie	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	4	2	6	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	11	3	14	173	Percidae	Percina phoxocephala	Slenderhead darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	2	0	2	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Camp Creek	OK621200-03-0040F	Pawnee	11873	09/11/98	3241	60	17	3	20	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	2	0		7.00	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	1	0		13.00	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	77	3		23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	1	42		28.00	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	1	54		42.00	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	6	4		72.00	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	1	1		87.00	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	1	0		93.00	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	10	0		107.00	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	0	11		119.00	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	41	0		130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	5	2		132.00	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	6	6		135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	2	2		140.00	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	3	2		162.00	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Bird Creek	OK121300-03-0320M	Osage	11990	09/03/98	3075	60	5	1		167.00	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	1	0	1	6.00	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	3	7	10	13.00	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	27	171	198	28.00	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	7	0	7	32.00	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	0	6	6	42.00	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	1	4	5	72.00	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	7	12	19	75.00	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	0	1	1	79.00	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	18	9	27	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	1	5	6	114.00	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	38	69	107	118.00	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	0	1	1	119.00	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	0	1	1	122.00	Percichthyidae	Morone chrysops	White bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	16	0	16	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	12	13	25	132.00	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	10	30	40	133.00	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Downstream	OK121300-04-0280M	Osage	11942	09/17/98	3213	90	3	38	41	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	3	0	3	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	66	15	81	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	59	8	67	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	1	8	9	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	2	0	2	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	1	0	1	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	1	1	2	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	1	1	2	79	Catostomidae	Carpiodes carpio	River carpsucker	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	6	10	16	99	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	5	1	6	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	30	3	33	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	0	6	6	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	1	2	3	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	12	19	31	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	1	0	1	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	0	2	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Hominy Creek: Upstream	OK121300-04-0280R	Osage	11943	09/18/98	4173	60	0	1	1	173	Percidae	Percina phoxocephala	Slenderhead darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	156	3	159	23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	44	69	113	28.00	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	1	12	13	42.00	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	16	115	131	53.00	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	3	0	3	70.00	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	75	56	131	72.00	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	3	3	6	75.00	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	3	0	3	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	5	0	5	107.00	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	13	1	14	114.00	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	4	33	37	119.00	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	47	1	48	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	21	1	22	132.00	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	12	20	32	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	1	4	5	140.00	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	0	1	1	141.00	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	73	3	76	162.00	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	4	1	5	164.00	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
North Buck Creek	OK121400-03-0210	Osage	11868	09/25/98	5400	90	2	3	5	167.00	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	0	4	4	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	24	2	26	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	2	8	10	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	4	6	10	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	5	22	27	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	4	0	4	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	2	1	3	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	10	51	61	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	121	0	121	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	2	8	10	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	2	7	9	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	40	17	57	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	2	1	3	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	3	3	6	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	1	0	1	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	4	0	4	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	4	0	4	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	3	0	3	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Sand Creek	OK121400-04-0010T	Osage	12045	09/03/98	3471	85	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	2	2	4	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	3	7	10	46	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	1	0	1	70	Cyprinidae	Phenacobius mirabilis	Suckermouth minnow	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	8	8	16	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	1	0	1	73	Cyprinidae	Pimephales promelas	Fathead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	1	0	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	6	1	7	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	0	5	5	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	1	1	2	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	28	1	29	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	60	25	85	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	80	8	88	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	1	0	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	8	15	23	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	21	15	36	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	1	0	1	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	0	2	2	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Gray Horse Creek	OK621200-01-0400T	Osage	11926	09/23/98	4697	90	1	0	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	1	0	1	6.00	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	42	5	47	23.00	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	57	96	153	28.00	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	0	9	9	42.00	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	52	10	62	68.00	Cyprinidae	Notropis stramineus	Sand shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	3	4	7	72.00	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	24	4	28	75.00	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	1	0	1	90.50	Catostomidae	Moxostoma	Redhorse sucker	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	3	1	4	93.00	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	1	0	1	97.00	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	1	1	2	99.00	Ictaluridae	Ictalurus punctatus	Channel catfish	Interm	FALSE	FALSE	TRUE	FALSE	TRUE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	3	0	3	107.00	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	1	3	4	114.00	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	1	24	25	119.00	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	17	0	17	130.00	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	11	12	23	132.00	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	4	6	10	135.00	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	57	1	58	162.00	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	1	2	3	167.00	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	10	0	10	173.00	Percidae	Percina phoxocephala	Slenderhead darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	2	2	4	174.00	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Salt Creek	OK621200-04-0010J	Osage	21701	06/09/00	4930	120	0	1	1	300.01	Centrarchidae	Unidentified Lepomis hybrid	Sunfish hybrid	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	1	0	1	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	1	0	1	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	8	0	8	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	0	7	7	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	34	11	45	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	6	2	8	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	1	0	1	87	Catostomidae	Ictiobus bubalus	Smallmouth buffalo	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	4	2	6	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	3	1	4	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	15	0	15	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	6	8	14	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	40	0	40	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	3	10	13	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	6	1	7	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	17	27	44	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	2	1	3	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	2	0	2	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	3	0	3	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	2	1	3	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Little Chief Creek	OK621200-04-0070C	Osage	11955	09/23/98	4755	75	2	0	2	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		1	0	1	8	Lepisosteidae	Lepisosteus platostomus	Shortnose gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		20	0	20	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		66	30	96	39	Cyprinidae	Luxilus cardinalis	Cardinal shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		25	0	25	45	Cyprinidae	Nocomis asper	Redspot chub	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		1	1	2	61	Cyprinidae	Notropis nubilus	Ozark minnow	Intol	FALSE	FALSE	FALSE	TRUE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		13	0	13	78	Cyprinidae	Semotilus atromaculatus	Creek chub	Interm	FALSE	FALSE	FALSE	FALSE	TRUE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		3	0	3	86	Catostomidae	Hypentelium nigricans	Northern hog sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		93	0	93	101	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		34	0	34	121	Cottidae	Cottus carolinae	Banded sculpin	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		6	0	6	125	Centrarchidae	Amboplites ariommus	Shadow bass	Intol	TRUE	FALSE	FALSE	FALSE	TRUE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		1	0	1	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		6	0	6	139	Centrarchidae	Micropterus dolomieui	Smallmouth bass	Intol	FALSE	FALSE	TRUE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		1	0	1	148	Percidae	Etheostoma blennioides	Greenside darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		25	0	25	152	Percidae	Etheostoma flabellare	Fantail darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		5	0	5	160	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		16	0	16	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Saline Creek	OK121600-02-0030D	Mayes	12036	08/12/98	3733		2	1	3	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	79	2	81	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	3	0	3	45	Cyprinidae	Nocomis asper	Redspot chub	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	1	0	1	71	Cyprinidae	Phoxinus erythrogaster	Southern redbelly dace	Intol	FALSE	FALSE	FALSE	TRUE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	3	0	3	78	Cyprinidae	Semotilus atromaculatus	Creek chub	Interm	FALSE	FALSE	FALSE	FALSE	TRUE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	3	0	3	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	3	0	3	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	0	5	5	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	183	5	188	121	Cottidae	Cottus carolinae	Banded sculpin	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	25	0	25	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	5	0	5	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	12	1	13	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	3	0	3	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	7	0	7	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	54	30	84	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	12	1	13	160	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	22	4	26	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	1	0	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Drowning Creek	OK121600-03-0090G	Delaware	14486	08/04/99	4310	75	3	0	3	200.07	Centrarchidae	Lepomis	Unidentified Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	0	1	1	13	Clupeidae	Dorosoma cepedianum	Gizzard shad	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	72	56	128	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	4	196	200	39	Cyprinidae	Luxilus cardinalis	Cardinal shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	1	1	2	45	Cyprinidae	Nocomis asper	Redspot chub	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	0	1	1	46	Cyprinidae	Notemigonus crysoleucas	Golden shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	1	0	1	86	Catostomidae	Hypentelium nigricans	Northern hog sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	23	6	29	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	0	5	5	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	84	1	85	121	Cottidae	Cottus carolinae	Banded sculpin	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	10	18	28	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	28	0	28	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	14	28	42	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	8	8	16	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	1	1	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	44	8	52	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	12	1	13	160	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	15	0	15	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	0	1	1	179	Sciaenidae	Aplodinotus grunniens	Freshwater drum	Interm	TRUE	FALSE	FALSE	FALSE	TRUE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	1	0	1	400.02	Centrarchidae	Unidentified Lepomis hybrid	Green x bluegill sunfish	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Whitewater Creek	OK121600-03-0320G	Delaware	17264	07/21/99	4976	95	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	501	26	527	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	0	6	6	28	Cyprinidae	Cyprinella lutrensis	Red shiner	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	32	Cyprinidae	Cyprinus carpio	Common carp	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	61	227	288	39	Cyprinidae	Luxilus cardinalis	Cardinal shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	3	0	3	45	Cyprinidae	Nocomis asper	Redspot chub	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	0	6	6	61	Cyprinidae	Notropis nubilus	Ozark minnow	Intol	FALSE	FALSE	FALSE	TRUE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	0	28	28	66	Cyprinidae	Notropis rubellus	Rosyface shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	78	Cyprinidae	Semotilus atromaculatus	Creek chub	Interm	FALSE	FALSE	FALSE	FALSE	TRUE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	13	0	13	86	Catostomidae	Hypentelium nigricans	Northern hog sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	96	Ictaluridae	Ameiurus melas	Black bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	4	0	4	101	Ictaluridae	Noturus exilis	Slender madtom	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	107	Ictaluridae	Pylodictis olivaris	Flathead catfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	3	4	7	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	5	11	16	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	0	3	3	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	3	0	3	121	Cottidae	Cottus carolinae	Banded sculpin	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	125	Centrarchidae	Amboplites ariommus	Shadow bass	Intol	TRUE	FALSE	FALSE	FALSE	TRUE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	21	0	21	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	20	0	20	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	56	0	56	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	15	1	16	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	3	1	4	136	Centrarchidae	Lepomis microlophus	Redear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	17	16	33	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	8	0	8	160	Percidae	Etheostoma punctulatum	Stippled darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	31	0	31	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Lost Creek	OK121600-03-0560G	Ottawa	17551	07/26/99	4639	95	1	0	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	1	0	1	7	Lepisosteidae	Lepisosteus osseus	Longnose gar	Tol	FALSE	FALSE	TRUE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	85	0	85	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	15	0	15	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	1	0	1	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	2	0	2	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	1	0	1	107.01	Ictaluridae	Pylodictis olivaris--MOST LIKELY ID	Flathead catfish--MOST LIKELY ID	Interm	FALSE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	1	2	3	115	Fundulidae	Fundulus olivaceus	Blackspotted topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	3	0	3	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	0	4	4	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	14	0	14	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	1	0	1	131	Centrarchidae	Lepomis gulosus	Warmouth sunfish	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	36	0	36	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	9	0	9	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	8	9	17	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	4	1	5	141	Centrarchidae	Micropterus salmoides	Largemouth bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	2	0	2	162	Percidae	Etheostoma spectabile	Orangethroat darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	13	0	13	164	Percidae	Etheostoma whipplei	Redfin darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	1	0	1	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Brushy Creek	OK220600-03-0010T	Pittsburg	16777	06/17/99	3759	95	4	0	4	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		35	0	35	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		5	0	5	31	Cyprinidae	Cyprinella whipplei	Steelcolor shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		9	0	9	41	Cyprinidae	Lythrurus snelsoni	Ouachita Mountain shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		5	0	5	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		32	0	32	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		2	0	2	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		2	0	2	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		2	0	2	115	Fundulidae	Fundulus olivaceus	Blackspotted topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		20	0	20	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		25	0	25	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		5	0	5	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		25	0	25	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		2	0	2	140	Centrarchidae	Micropterus punctulatus	Spotted bass	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		1	0	1	149	Percidae	Etheostoma chlorosomum	Bluntnose darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		4	0	4	161	Percidae	Etheostoma radiosum	Orangebelly darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Pine Creek	OK410300-03-0580C	Pushmataha	12020	09/28/98	4697		4	0	4	174	Percidae	Percina sciera	Dusky darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		23	0	23	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		9	0	9	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		1	0	1	90.5	Catostomidae	Moxostoma	Redhorse sucker	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		19	0	19	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		10	0	10	115	Fundulidae	Fundulus olivaceus	Blackspotted topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		11	0	11	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		1	0	1	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		35	0	35	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		1	0	1	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		6	0	6	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Dry Creek	OK410310-01-0070C	Pushmataha	11906	09/23/98	3943		12	0	12	161	Percidae	Etheostoma radiosum	Orangebelly darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	1	0	1	2	Petromyzontidae	Ichthyomyzon gagei	Southern brook lamprey	Intol	FALSE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	1	0	1	6	Lepisosteidae	Lepisosteus oculatus	Spotted gar	Interm	FALSE	FALSE	TRUE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	28	0	28	23	Cyprinidae	Campostoma anomalum	Central stoneroller	Interm	FALSE	FALSE	FALSE	TRUE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	1	15	16	42	Cyprinidae	Lythrurus umbratilis	Redfin shiner	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	14	29	43	53	Cyprinidae	Notropis boops	Bigeye shiner	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	6	0	6	56	Cyprinidae	Notropis emiliae	Pugnose shiner	Interm	TRUE	FALSE	FALSE	TRUE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	13	4	17	72	Cyprinidae	Pimephales notatus	Bluntnose minnow	Interm	FALSE	TRUE	FALSE	FALSE	FALSE

Site Name	WBID	County	Sample ID	Date	Shock Time (sec)	Seine Time (min)	No. shocked	No. seined	Total individuals	Ref Num	Family	Species	VernName	Tolerance	Insectivor	Omnivore	Piscivore	Herbivore	Generalist
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	1	0	1	75	Cyprinidae	Pimephales vigilax	Bullhead minnow	Tol	FALSE	TRUE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	1	0	1	90	Catostomidae	Minytrema melanops	Spotted sucker	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	2	0	2	93	Catostomidae	Moxostoma erythrurum	Golden redhorse	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	26	0	26	97	Ictaluridae	Ameiurus natalis	Yellow bullhead	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	2	1	3	114	Fundulidae	Fundulus notatus	Blackstripe topminnow	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	3	0	3	118	Poeciliidae	Gambusia affinis	Mosquitofish	Tol	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	8	23	31	119	Atherinidae	Labidesthes sicculus	Brook silverside	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	37	0	37	130	Centrarchidae	Lepomis cyanellus	Green sunfish	Tol	TRUE	FALSE	FALSE	FALSE	TRUE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	2	0	2	132	Centrarchidae	Lepomis humilis	Orangespotted sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	1	0	1	133	Centrarchidae	Lepomis macrochirus	Bluegill sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	10	11	21	135	Centrarchidae	Lepomis megalotis	Longear sunfish	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	2	0	2	149	Percidae	Etheostoma chlorosomum	Bluntnose darter	Intol	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	13	0	13	161	Percidae	Etheostoma radiosum	Orangebelly darter	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	2	1	3	167	Percidae	Percina caprodes	Logperch	Interm	TRUE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	6	7	13	200.04	Cyprinidae	Notropis	Unidentified Notropis sp. (shiner)	Interm	FALSE	FALSE	FALSE	FALSE	FALSE
Bolen Creek	OK410310-03-0090G	Pittsburg	11861	09/24/98	4876	40	0	0		9999.55	Centrarchidae	Lepomis	YOY Lepomis sp. (sunfish)	Tol	FALSE	FALSE	FALSE	FALSE	FALSE

Site Name	WBID	County	E-region	Strahler Order	Sample ID	Date	No. Spp	No. intolerant spp	% tolerant individuals	Shanon Diversity	No. sunfish spp.	No. darter spp.	No. round bodied sucker species	% ind as omnivores	% ind as insectivorous cyprinids	% ind as top carvnivores	Overall CPUE (fish/min)	Total Caught
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	3	12041	08/20/98	21	1	14	1.90	10	1	1	2	0	1	2.8	316
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	4	21714	08/10/00	33	4	13	2.30	8	3	2	10	3	4	3.1	492
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	4	17909	08/04/99	22	2	17	2.52	7	2	1	13	5	4	2.6	363
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	3	12042	09/28/98	18	2	22	2.45	5	1	0	8	22	2	1.4	185
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	3	16762	06/16/99	20	5	20	2.09	5	4	0	2	6	1	1.4	211
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	4	11974	08/25/98	22	3	14	2.18	7	2	3	2	1	3	12.8	936
Gaines Creek	OK220600-04-0010F	Latimer	AV	5	17558	08/02/99	21	1	7	2.28	8	2	0	2	0	8	0.9	134
Beaver Creek	OK220600-04-0030G	Latimer	AV	3	11844	09/22/98	15	2	14	2.16	7	0	1	9	6	3	1.4	188
Willow Creek	OK520610-01-0080G	Cleveland	CGP	3	17547	10/28/99	17	0	80	1.32	7	0	0	70	11	1	8.4	971
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	3	17571	07/08/99	9	0	56	1.59	4	0	0	46	13	1	2.2	344
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	3	11930	08/19/98	25	8	9	2.33	7	4	1	2	7	1	5.3	680
Rabb Creek	OK121400-01-0090D	Rogers	CIP	2	17555	07/29/99	18	1	65	1.99	6	1	1	54	0	7	2.7	253
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	3	11939	09/04/98	17	1	35	2.13	6	2	1	14	0	3	19.9	693
Lightning Creek	OK121510-01-0130M	Nowata	CIP	3	17574	08/06/99	14	0	65	1.76	4	1	1	27	2	1	1.3	173
California Creek	OK121510-02-0050C	Nowata	CIP	4	17533	08/09/99	23	2	38	2.41	8	3	0	27	1	1	2.3	352
Snow Creek	OK121510-02-0250F	Nowata	CIP	4	17986	08/11/99	27	2	30	2.27	8	1	1	10	1	5	3.8	536
Big Creek	OK121510-03-0010G	Nowata	CIP	4	17534	08/10/99	23	2	27	2.59	7	2	0	16	2	4	3.8	467
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	4	11922	08/05/98	30	13	3	1.79	6	5	3	1	19	0	8.1	1565
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	3	11882	08/21/98	20	2	18	2.39	9	0	1	9	2	3	2.5	321
Horse Creek	OK121600-03-0160G	Ottawa	CIP	3	17263	07/20/99	14	0	40	2.03	8	1	0	0	0	4	3.4	418
Fly Creek	OK121600-03-0180G	Ottawa	CIP	2	16690	07/08/99	14	2	7	1.10	6	3	0	0	0	3	6.9	872
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	3	16698	07/12/99	17	1	40	2.11	7	2	0	0	1	6	1.7	270
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	3	14491	08/05/99	17	1	21	2.11	7	0	1	4	0	8	1.3	187
Cow Creek	OK121600-04-0130G	Ottawa	CIP	3	17543	07/29/99	20	1	55	2.56	7	0	0	20	8	4	1.5	209
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	3	14492	07/28/99	17	2	30	2.44	5	2	0	24	4	3	2.1	338
Russell Creek	OK121600-04-0200G	Craig	CIP	3	17538	08/03/99	25	2	39	2.33	6	2	2	38	4	2	4.0	764
Bull Creek	OK121600-06-0200G	Craig	CIP	3	11871	08/26/98	18	3	82	1.63	5	1	1	70	1	1	8.3	742
PawPaw Creek	OK121600-06-0240G	Craig	CIP	3	11997	08/26/98	20	3	50	2.27	8	2	1	15	7	3	1.1	175
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	3	17554	07/28/99	13	6	3	1.86	4	2	3	0	19	3	5.8	755
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	2	17553	07/27/99	19	11	4	2.18	6	3	2	0	35	4	3.7	579
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	2	17552	07/27/99	23	9	10	2.54	7	3	1	0	15	3	4.4	507

Site Name	WBID	County	E-region	Strahler Order	Sample ID	Date	No. Spp	No. intolerant spp	% tolerant individuals	Shanon Diversity	No. sunfish spp.	No. darter spp.	No. round bodied sucker species	% ind as omnivores	% ind as insectivorous cyprinids	% ind as top carvnivores	Overall CPUE (fish/min)	Total Caught
Pryor Creek	OK121610-00-0090N	Mayes	CIP	4	12025	08/14/98	20	3	64	2.23	7	1	1	50	3	2	1.7	222
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	3	21463	08/17/00	23	2	17	2.43	9	0	2	14	1	16	1.0	139
Bird Creek	OK121300-03-0010A	Osage	COTP	4	21465	08/18/00	32	3	75	1.65	7	3	2	74	2	3	5.7	1289
Clear Creek	OK121300-03-0200C	Osage	COTP	3	11886	09/02/98	19	1	8	1.96	8	1	2	3	1	22	2.2	294
Buck Creek	OK121400-04-0050C	Osage	COTP	3	11867	09/02/98	21	2	31	2.55	9	1	1	20	0	2	2.4	313
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	4	17557	08/03/99	19	2	18	1.88	7	1	0	3	0	2	3.2	453
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	4	17559	08/05/99	20	1	10	2.15	5	2	0	5	0	6	1.6	268
Glasses Creek	OK310800-01-0020M	Marshall	COTP	3	16045	06/08/99	20	1	33	2.29	6	1	2	15	1	2	3.1	542
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	3	16046	06/09/99	14	1	16	1.71	6	1	0	2	50	1	3.1	531
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	2	17537	06/29/99	21	1	57	2.35	6	1	1	41	14	7	3.8	685
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	3	17570	06/29/99	16	0	67	1.58	5	1	0	62	3	3	5.9	1013
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	3	11907	09/29/98	19	1	21	2.23	6	2	1	8	8	1	2.4	295
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	4	12070	09/29/98	24	3	18	2.56	6	2	2	6	24	3	1.7	249
Eastman Creek	OK410700-00-0230D	Bryan	COTP	2	16047	06/08/99	16	1	18	1.65	4	1	0	12	50	1	13.1	1769
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	4	12134	09/01/98	18	1	47	2.07	4	0	0	63	4	3	3.8	540
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	3	17545	10/15/99	17	1	63	1.84	6	0	0	29	26	3	4.2	803
Turkey Creek	OK520510-00-0100E	Seminole	COTP	3	17540	06/17/99	12	1	78	1.37	5	0	0	76	5	4	1.6	353
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	3	17539	06/25/99	10	0	37	2.03	4	0	0	18	7	12	0.8	130
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	3	17572	06/28/99	16	0	56	2.02	6	0	0	37	23	7	2.2	235
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	3	17546	10/14/99	15	1	75	1.67	4	0	0	39	22	1	7.4	948
Captain Creek	OK520700-05-0140C	Lincoln	COTP	3	11875	08/27/98	15	1	40	2.03	4	0	0	23	40	0	4.7	729
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	3	17536	07/06/99	16	1	76	1.63	5	0	0	64	11	1	3.3	514
Little Deep Fork	OK520700-06-0130T	Creek	COTP	4	11956	08/14/98	17	1	63	2.09	6	0	0	22	3	6	3.8	483
Elm Creek	OK520810-00-0100C	Cleveland	COTP	3	17535	07/23/99	18	1	35	1.98	7	0	0	25	3	6	1.4	284
Lagoon Creek	OK620900-01-0180J	Creek	COTP	3	11947	08/04/98	25	1	30	2.31	8	0	1	26	4	5	2.8	477
Buckeye Creek	OK620900-01-0220G	Creek	COTP	3	11869	08/05/98	23	2	56	2.51	6	0	0	53	3	7	2.1	286
Euchee Creek	OK620900-01-0290R	Payne	COTP	4	11917	08/13/98	16	1	82	1.30	7	0	0	74	5	1	4.1	611
Council Creek	OK620900-02-0050H	Payne	COTP	3	11893	09/29/98	18	1	67	1.78	4	0	0	60	21	1	9.0	866
Doga Creek	OK621200-02-0020M	Osage	COTP	3	11904	09/22/98	15	0	31	2.26	5	0	0	9	5	8	1.6	233
Camp Creek	OK621200-03-0040F	Pawnee	COTP	3	11873	09/11/98	23	1	32	2.14	6	1	1	26	4	4	6.7	743
North Bird Creek	OK121300-03-0320M	Osage	FH	3	11990	09/03/98	16	0	30	2.13	4	1	1	19	19	6	2.6	290

Site Name	WBID	County	E-region	Strahler Order	Sample ID	Date	No. Spp	No. intolerant spp	% tolerant individuals	Shanon Diversity	No. sunfish spp.	No. darter spp.	No. round bodied sucker species	% ind as omnivores	% ind as insectivorous cyprinids	% ind as top carvnivores	Overall CPUE (fish/min)	Total Caught
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	4	11942	09/17/98	17	0	68	1.96	4	0	0	47	1	0	3.4	511
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	3	11943	09/18/98	17	1	70	1.98	5	1	0	59	4	0	2.0	266
North Buck Creek	OK121400-03-0210	Osage	FH	4	11868	09/25/98	19	3	21	2.29	5	2	0	31	18	1	4.5	809
Sand Creek	OK121400-04-0010T	Osage	FH	2	12045	09/03/98	18	2	34	2.13	7	2	0	9	6	4	2.8	363
Gray Horse Creek	OK621200-01-0400T	Osage	FH	2	11926	09/23/98	18	2	34	2.02	6	0	2	9	2	0	1.9	313
Salt Creek	OK621200-04-0010J	Osage	FH	3	21701	06/09/00	22	1	42	2.27	4	3	2	40	15	1	2.5	473
Little Chief Creek	OK621200-04-0070C	Osage	FH	3	11955	09/23/98	21	0	26	2.42	7	1	1	28	3	4	1.5	228
Saline Creek	OK121600-02-0030D	Mayes	OH	4	12036	08/12/98	17	11	0	2.10	3	4	1	0	35	2	2.8	350
Drowning Creek	OK121600-03-0090G	Delaware	OH	4	14486	08/04/99	18	4	7	1.88	7	2	0	0	1	19	3.2	467
Whitewater Creek	OK121600-03-0320G	Delaware	OH	3	17264	07/21/99	19	5	9	2.12	7	2	1	0	31	8	3.7	650
Lost Creek	OK121600-03-0560G	Ottawa	OH	3	17551	07/26/99	29	10	4	1.75	8	2	2	1	29	3	6.7	1102
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	3	16777	06/17/99	19	2	8	2.09	6	3	0	1	7	3	1.7	217
Pine Creek	OK410300-03-0580C	Pushmataha	OM	4	12020	09/28/98	16	4	15	2.28	4	3	1	18	11	1	2.3	178
Dry Creek	OK410310-01-0070C	Pushmataha	OM	3	11906	09/23/98	11	1	51	2.02	3	1	1	7	0	0	1.9	128
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	3	11861	09/24/98	22	4	25	2.55	4	2	2	7	22	0	2.2	271

Variable	E-region	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
No. Spp	AV	8	21.5	1.84	5.21	15	18.5	21	22	33
	CGP	2	13	4	5.66	9	*	13	*	17
	CIP	22	19.727	0.961	4.506	13	17	19.5	23	30
	COTP	29	18.552	0.816	4.396	10	16	18	21	32
	FH	8	18.5	0.732	2.07	16	17	18	20.5	22
	OH	4	20.75	2.78	5.56	17	17.25	18.5	26.5	29
	OM	4	17	2.35	4.69	11	12.25	17.5	21.25	22
No. darter spp.	AV	8	1.875	0.441	1.246	0	1	2	2.75	4
	CGP	2	0	0	0	0	*	0	*	0
	CIP	22	1.864	0.274	1.283	0	1	2	3	5
	COTP	29	0.621	0.152	0.82	0	0	0	1	3
	FH	8	1.25	0.366	1.035	0	0.25	1	2	3
	OH	4	2.5	0.5	1	2	2	2	3.5	4
	OM	4	2.25	0.479	0.957	1	1.25	2.5	3	3
No. sunfish spp.	AV	8	7.125	0.581	1.642	5	5.5	7	8	10
	CGP	2	5.5	1.5	2.12	4	*	5.5	*	7
	CIP	22	6.545	0.277	1.299	4	6	7	7.25	9
	COTP	29	5.897	0.269	1.448	4	5	6	7	9
	FH	8	5.25	0.453	1.282	4	4	5	6.75	7
	OH	4	6.25	1.11	2.22	3	4	7	7.75	8
	OM	4	4.25	0.629	1.258	3	3.25	4	5.5	6
No. round bodied sucker spp.	AV	8	1	0.378	1.069	0	0	1	1.75	3
	CGP	2	0	0	0	0	*	0	*	0
	CIP	22	0.955	0.192	0.899	0	0	1	1	3
	COTP	29	0.517	0.146	0.785	0	0	0	1	2
	FH	8	0.75	0.313	0.886	0	0	0.5	1.75	2
	OH	4	1	0.408	0.816	0	0.25	1	1.75	2
	OM	4	1	0.408	0.816	0	0.25	1	1.75	2
No. intolerant spp.	AV	8	2.5	0.5	1.414	1	1.25	2	3.75	5
	CGP	2	0	0	0	0	*	0	*	0
	CIP	22	3.409	0.772	3.621	0	1	2	3.75	13
	COTP	29	1.138	0.138	0.743	0	1	1	1	3
	FH	8	1.125	0.398	1.126	0	0	1	2	3
	OH	4	7.5	1.76	3.51	4	4.25	7.5	10.75	11
	OM	4	2.75	0.75	1.5	1	1.25	3	4	4
% tolerant individuals	AV	8	15.13	1.63	4.61	7	13.25	14	19.25	22
	CGP	2	68	12	17	56	*	68	*	80
	CIP	22	33.41	4.92	23.08	3	9.75	32.5	51.25	82
	COTP	29	43.34	4.33	23.33	8	19.5	37	65	82
	FH	8	40.63	6.57	18.57	21	27	34	61.5	70
	OH	4	5	1.96	3.92	0	1	5.5	8.5	9
	OM	4	24.75	9.42	18.84	8	9.75	20	44.5	51
% ind as omnivores	AV	8	6	1.59	4.5	2	2	5	9.75	13
	CGP	2	58	12	17	46	*	58	*	70
	CIP	22	17.32	4.28	20.09	0	0	12	27	70
	COTP	29	31.34	4.5	24.26	2	10.5	25	56.5	76
	FH	8	30.25	6.32	17.88	9	11.5	29.5	45.25	59
	OH	4	0.25	0.25	0.5	0	0	0	0.75	1
	OM	4	8.25	3.54	7.09	1	2.5	7	15.25	18
% ind as insectivores	AV	8	5.38	2.54	7.17	0	0.25	4	6	22

Variable	E-region	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
	CGP	2	12	1	1.41	11	*	12	*	13
	CIP	22	5.95	1.87	8.76	0	0.75	2	7.25	35
	COTP	29	11.72	2.7	14.54	0	2.5	5	21.5	50
	FH	8	8.5	2.67	7.54	1	2.25	5	17.25	19
	OH	4	24	7.77	15.53	1	8	30	34	35
	OM	4	10	4.6	9.2	0	1.75	9	19.25	22
% ind as top carnivores	AV	8	3.25	0.796	2.252	1	1.25	3	4	8
	CGP	2	1	0	0	1	*	1	*	1
	CIP	22	3.227	0.426	1.998	0	1.75	3	4	8
	COTP	29	4.759	0.907	4.882	0	1	3	6.5	22
	FH	8	2	0.824	2.33	0	0	1	4	6
	OH	4	8	3.89	7.79	2	2.25	5.5	16.25	19
	OM	4	1	0.707	1.414	0	0	0.5	2.5	3
Total Individuals	AV	8	353.1	93	263	134	185.8	263.5	459.8	936
	CGP	2	658	314	443	344	*	658	*	971
	CIP	22	503.5	69.3	324.9	173	245.3	442.5	705.3	1565
	COTP	29	554.3	68.1	366.5	130	285	483	736	1769
	FH	8	406.6	67.2	190.2	228	272	338	501.5	809
	OH	4	642	165	330	350	379	559	989	1102
	OM	4	198.5	30.3	60.5	128	140.5	197.5	257.5	271
CPUE (fish/min)	AV	8	3.3	1.39	3.92	0.9	1.4	2	3.03	12.8
	CGP	2	5.3	3.1	4.38	2.2	*	5.3	*	8.4
	CIP	22	4.345	0.87	4.081	1.1	1.7	3.55	5.425	19.9
	COTP	29	3.748	0.496	2.672	0.8	1.9	3.1	4.45	13.1
	FH	8	2.65	0.336	0.952	1.5	1.925	2.55	3.25	4.5
	OH	4	4.1	0.886	1.772	2.8	2.9	3.45	5.95	6.7
	OM	4	2.025	0.138	0.275	1.7	1.75	2.05	2.275	2.3
Shanon Diversity	AV	8	2.235	0.0702	0.1984	1.9	2.1075	2.23	2.4125	2.52
	CGP	2	1.455	0.135	0.191	1.32	*	1.455	*	1.59
	CIP	22	2.1386	0.0751	0.3521	1.1	1.9575	2.205	2.395	2.59
	COTP	29	2.0007	0.0635	0.3417	1.3	1.69	2.03	2.275	2.56
	FH	8	2.15	0.0582	0.1646	1.96	1.99	2.13	2.285	2.42
	OH	4	1.9625	0.0893	0.1786	1.75	1.7825	1.99	2.115	2.12
	OM	4	2.235	0.118	0.237	2.02	2.038	2.185	2.483	2.55

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
no flow	South Fork of Dirty Ck	OK120400-02-0030F	08/02/99	20341	na	na	na	na	na	na	na	na	na	na	na	na
no flow	South Fork of Dirty Ck	OK120400-02-0030F	01/20/00	18144	na	na	na	na	na	na	na	na	na	na	na	na
no flow	South Fork of Dirty Ck	OK120400-02-0030F	07/10/00	19059	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Candy Ck: Site # 1	OK121300-02-0080G	02/25/99	17135	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Candy Ck: Site # 1	OK121300-02-0080G	08/17/99	13328	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Candy Ck: Site # 1	OK121300-02-0080G	01/11/00	18116	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Snow Ck	OK121510-02-0250F	08/03/99		na	na	na	na	na	na	na	na	na	na	na	na
no flow	Snow Ck	OK121510-02-0250F	07/18/00	19053	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Little Horse Ck	OK121600-03-0190A	07/11/99	19062	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Little Horse Ck	OK121600-03-0190A	07/11/00	19062	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Hudson Ck	OK121600-04-0040G	07/20/99	13309	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Hudson Ck	OK121600-04-0040G	07/17/00	19066	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Cow Ck	OK121600-04-0130G	07/26/99		na	na	na	na	na	na	na	na	na	na	na	na
no flow	Cow Ck	OK121600-04-0130G	07/17/00	19072	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Pryor Ck	OK121610-00-0090N	02/16/99	17148	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Longtown Ck	OK220600-01-0070G	08/02/99	20338	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Beaver Ck	OK220600-04-0030G	07/23/99	18277	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Sand Branch Ck	OK310800-02-0040C	07/27/99	18278	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Sand Branch Ck	OK310800-02-0040C	07/13/00	19046	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Chigley Sandy Ck	OK310800-02-0190K	07/12/00	19036	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Factory Ck	OK520600-01-0060P	07/12/00	19034	na	na	na	na	na	na	na	na	na	na	na	na
no flow	Gray Horse Ck	OK621200-01-0400T	07/13/00	21453	na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Greenleaf Ck	OK120400-01-0120C	08/02/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	North Bird Ck	OK121300-03-0320M	08/02/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Hominy Ck: Downstream	OK121300-04-0280M	08/02/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	North Buck Ck	OK121400-03-0210R	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Sand Ck	OK121400-04-0010T	08/02/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Big Ck	OK121510-03-0010G	08/03/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Fourteenmile Ck	OK121600-01-0100C	08/03/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Chouteau Ck	OK121600-01-0430M	08/03/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Saline Ck	OK121600-02-0030D	08/03/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Drowning Ck	OK121600-03-0090G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Drowning Ck	OK121600-03-0090G	01/10/00		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Horse Ck	OK121600-03-0160G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Fly Ck	OK121600-03-0180D	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Little Horse Ck	OK121600-03-0190A	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Whitewater Ck	OK121600-03-0320G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Lost Ck	OK121600-03-0560G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Hudson Ck	OK121600-04-0040G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Cow Ck	OK121600-04-0130G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Fourmile Ck	OK121600-04-0170G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
not sampled	Fourmile Ck	OK121600-04-0170G	07/26/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Russell Ck	OK121600-04-0200G	02/16/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Russell Ck	OK121600-04-0200G	07/26/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Bull Ck	OK121600-06-0200G	07/26/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	PawPaw Ck	OK121600-06-0240G	07/26/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Warren Branch Ck	OK121600-07-0050G	02/22/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Fivemile Ck	OK121600-07-0110G	02/22/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Little Fivemile Ck	OK121600-07-0120D	02/22/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Pryor Ck	OK121610-00-0090N	07/27/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Gaines Ck	OK220600-04-0010F	07/22/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Buckeye Ck	OK620900-01-0220G	07/29/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Gray Horse Ck	OK621200-01-0400T	07/29/99		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Gray Horse Ck	OK621200-01-0400T	01/04/00		na	na	na	na	na	na	na	na	na	na	na	na
not sampled	Doga Ck	OK621200-02-0020M	07/17/00		na	na	na	na	na	na	na	na	na	na	na	na
problem	Lightning Ck	OK121510-01-0130M	08/06/99	17574	na	na	na	na	na	na	na	na	na	na	na	na
problem	Saline Ck	OK121600-02-0030D	08/15/00	19148	na	na	na	na	na	na	na	na	na	na	na	na
problem	Longtown Ck	OK220600-01-0070G	07/11/00	19022	na	na	na	na	na	na	na	na	na	na	na	na
problem	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/11/00	19023	na	na	na	na	na	na	na	na	na	na	na	na
problem	Council Ck	OK620900-02-0050H	07/17/00	19009	na	na	na	na	na	na	na	na	na	na	na	na
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	1	35	123	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	28	90	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	12	92	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	14	94	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	6	95	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	1	104	123	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	23	122.7	123	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	1	131	123	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	1	141	123	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	12	142	123	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	1	186	123	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	15	198	123	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	4	214	123	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	3	217	123	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	South Fork of Dirty Ck	OK120400-02-0030F	02/17/99	17100	25	12	100	3	1	218	123	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	1	18.2	131	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	1	19	131	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	2	60	131	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	12	90	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	8	92	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	4	94	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	10	95	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	41	104	131	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	8	122.5	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	8	122.7	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	2	131	131	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	3	139	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	3	141	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	15	142	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	8	142.4	131	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	4	214	131	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	12.5	7	100	3	1	228	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	1	18.2	154	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	1	19	154	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	15	60	154	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	3	90	154	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	2	92	154	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	11	94	154	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	2	95	154	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	91	104	154	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	2	131	154	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	7	142	154	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	1	151	154	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	2	198	154	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	1	218	154	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	4	220	154	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	2	220.5	154	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	7	228	154	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	25	2	100	3	2	275	154	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	28	103	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	8	60	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	88.06	103	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	13	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	2	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	24	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	2	104	103	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	122.5	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	123	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	127.5	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	9	142	103	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	3	142.4	103	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	2	151	103	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	3	167	103	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	2	179	103	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	27	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	229	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	25	8	100	3	1	247	103	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	3	18.2	122	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	22	60	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	18	90	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	2	92	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	6	94	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	7	95	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	1	139	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	3	141	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	8	142	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	2	142.4	122	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	1	143	122	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	2	151	122	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	3	167	122	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	2	179	122	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	1	188.5	122	ARTHROPODA	Insecta	Odonata	Gomphidae	Lanthus
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	31	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	5	229	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	1	229.3	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Macrostemum
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	3	247	122	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	25	7	65	3	1	251	122	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Neureclipsis
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	9	141	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	19	141	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	28	141	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	54	141	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	7	60	141	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	70	141	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	15	90	141	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	91	141	ARTHROPODA	Insecta	Diptera	Chironomidae	Diamesinae
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	22	92	141	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	4	94	141	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	39	95	141	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	14	104	141	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	117	141	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	2	122.5	141	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	8	122.7	141	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	131	141	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	139	141	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	4	142	141	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	1	198	141	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	6	214	141	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	6	228	141	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	4	60	3	2	275	141	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	14	103	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	18.2	103	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	7	19	103	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	12	60	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	3	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	16	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	15	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	3	104	103	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	2	117	103	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	167	103	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	179	103	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	3	198	103	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	220.5	103	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	28	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	3	247	103	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	262	103	MOLLUSCA	Gastropoda	Basommatophora	Ancylidae	Ferrissia
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	3	275	103	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	50	5	30	3	1	281.5	103	NEMERTEA	Enopla	Hoplonemertea	Tetrastemmatidae	Prostoma
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	18.2	107	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	19	60	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	3	62	107	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	10	90	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	5	94	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	5	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	104	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	128.8	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	4	131	107	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	4	139	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	3	142	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	143	107	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	151	107	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	167	107	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	2	170	107	ARTHROPODA	Insecta	Megaloptera	Sialidae	Scirtes
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	179	107	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	187	107	ARTHROPODA	Insecta	Odonata	Gomphidae	Gomphus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	1	213	107	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	35	228	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	2	234	107	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	3	247	107	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	5	90	3	3	275	107	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	13	60	137	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	6	90	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	2	94	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	4	95	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	3	117	137	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	1	122.7	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	2	131	137	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	1	139	137	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	1	141	137	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	6	142	137	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	1	158.5	137	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	11	167	137	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	2	179	137	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	44	228	137	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	100	5	75	3	40	247	137	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	1	19	128	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	38	29.1	128	ARTHROPODA	Crustacea	Cladocera		
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	10	60	128	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	32	90	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	5	92	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	1	94	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	2	95	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	1	98	128	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	20	104	128	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	6	122.7	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	1	131	128	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	1	214	128	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	3	217	128	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	3	218	128	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	2	220	128	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	1	247	128	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	5	70	3	1	258	128	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	1	4.1	127	ANNELIDA	Hirudinea	Rhynchobdellida	Glossiphoniidae	Helobdella
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	3	13	127	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	1	14	127	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	14	19	127	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	7	28	127	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	1	54	127	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	6	60	127	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	12	90	127	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	15	92	127	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	3	94	127	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	2	95	127	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	34	104	127	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	1	111	127	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	17	131	127	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	6	198	127	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	2	220	127	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	1	258	127	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	4	70	3	1	279	127	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	1	13	124	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	1	14	124	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	12	60	124	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	1	71	124	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	24	90	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	3	92	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	6	94	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	8	95	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	1	104	124	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	1	127.5	124	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	52	228	124	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	San Bois Ck	OK220200-04-0010W	07/11/00	19021	25	7	25	3	14	247	124	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	1	45	155	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	7	60	155	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	1	74	155	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Laccobius
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	1	75	155	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	13	90	155	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	1	92	155	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	6	94	155	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	4	95	155	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	1	99	155	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	4	131	155	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	1	141	155	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	2	167	155	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	1	178	155	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	90	228	155	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	5	229	155	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	San Bois Ck	OK220200-04-0010W	08/02/99	20339	50	3	100	2	17	247	155	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	14	123	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	74	90	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	1	92	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	14	94	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	95	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	7	103	123	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	6	122.5	123	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	1	131	123	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	3	142	123	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	142.4	123	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	214	123	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	216	123	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Clioperla
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	218	123	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	247	123	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	2	248	123	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Wormaldia
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	02/17/99	17098	12.5	9	100	3	1	258	123	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	2	14	104	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	31.1	104	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	35	104	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	2	81	104	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	3	90	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	6	92	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	94	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	5	95	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	103	104	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	5	111	104	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	2	117	104	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	2	122.5	104	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	141	104	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	37	142	104	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	5	179	104	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	12	198	104	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	211	104	ARTHROPODA	Insecta	Plecoptera	Perlidae	Acroneuria
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	15	220	104	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	220.5	104	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	01/12/00	18151	50	8	100*	3	1	281.25	104	NEMATOMORPHA				
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	1	14	118	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	1	23	118	ARTHROPODA	Acari	Arcarina		
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	2	30	118	ARTHROPODA	Crustacea	Decapoda	Astacidae	

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	4	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	4	81	118	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	10	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	5	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	4	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	4	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	3	117	118	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	3	122.5	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	1	123	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	1	128.8	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	1	131	118	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	2	142	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	1	170	118	ARTHROPODA	Insecta	Megaloptera	Sialidae	Scirtes
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	3	213	118	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	24	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	43	247	118	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	07/11/00	19020	25	10	100	3	1	252	118	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Polycentropus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	3	60	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	4	80	98	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Ectopria
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	9	81	98	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	1	87.6	98	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	3	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	4	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	5	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	2	117	98	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	13	131	98	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	1	141	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	10	142	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	2	144	98	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Choroterpes
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	1	167	98	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	16	179	98	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	17	184.1	98	ARTHROPODA	Insecta	Odonata	Gomphidae	Arigomphus
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	1	192.9	98	ARTHROPODA	Insecta	Odonata	Libellulidae	Orthemis
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	1	195.5	98	ARTHROPODA	Insecta	Orthoptera	Acrididae	Stethophyma
riffle	Mtn Fork of San Bois Ck	OK220200-04-0050J	08/02/99	20340	25	10	100	3	5	247	98	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	1	28	116	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	2	35	116	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	5	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	1	81	116	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	13	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	20	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	1	93	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	2	94	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	6	95	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	1	98	116	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	1	104	116	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	10	122.5	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	1	122.7	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	6	131	116	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	23	142	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	10	198	116	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	5	214	116	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	7	218	116	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Longtown Ck	OK220600-01-0070G	02/18/99	17162	25	8	70	3	1	258	116	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	3.7	119	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	9	119	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	4	19	119	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	4	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	70	119	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	26	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	5	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	93	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	17	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	98	119	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	14	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	117	119	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	5	122.7	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	131	119	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	141	119	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	21	142	119	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	142.4	119	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	11	214	119	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	275	119	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	7	60	3	1	279	119	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	4	9	90	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	2	19	90	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	2	54	90	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	24	60	90	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	2	70	90	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	4	90	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	9	92	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	2	95	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	19	104	90	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	3	110.5	90	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	1	120	90	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	1	179	90	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	11	198	90	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	1	220.5	90	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	4	275	90	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Gaines Ck	OK220600-04-0010F	01/20/00	18146	50	6	40	3	1	279	90	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	1	8.5	115	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	22	60	115	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	3	62	115	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	1	63	115	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyretes
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	2	87.6	115	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	3	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	2	92	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	2	94	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	5	95	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	3	104	115	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	52	228	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	10	247	115	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	8	275	115	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Gaines Ck	OK220600-04-0010F	07/10/00	19017	50	8	40	3	1	279	115	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	2	10	81	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	18.2	81	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	3	19	81	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	34.5	81	ARTHROPODA	Crustacea	Isopoda	Asellidae	Asellus
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	54	81	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	60	81	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	24	90	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	4	92	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	94	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	12	95	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	4	104	81	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	2	122.7	81	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	131	81	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	5	141	81	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	10	142	81	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	198	81	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	2	214	81	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	217	81	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	3	218	81	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	275	81	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Beaver Ck	OK220600-04-0030G	02/17/99	17158	25	8	50	3	1	279	81	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	14	19	119	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	35	119	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	95	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	110.5	119	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	119.3	119	ARTHROPODA	Insecta	Diptera	Tipulidae	Pseudolimnophila
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	2	198	119	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	279	119	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Beaver Ck	OK220600-04-0030G	01/12/00	18150	6.25	4	100*	3*	1	281.5	119	NEMERTEA	Enopla	Hoplonemertea	Tetrastemmatidae	Prostoma
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	9	60	104	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	1	62	104	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	35	90	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	5	92	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	2	94	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	9	95	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	1	122.7	104	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	1	142	104	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	1	214	104	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	4	100	1	40	228	104	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	1	3.7	84	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	3	8.5	84	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	1	14	84	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	1	18.3	84	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Ilyodrilus
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	22	19	84	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	2	90	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	43	92	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	2	94	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	6	131	84	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	2	179	84	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	25	17	85	3	1	192.8	84	ARTHROPODA	Insecta	Odonata	Libellulidae	Libellula
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	1	9	84	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	9	19	84	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	1	90	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	59	92	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	7	94	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	1	123	84	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	4	131	84	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	1	167	84	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	25	7	80	3	1	275	84	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	3	3.7	103	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	1	19	103	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	23	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	32	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	26	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	2	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	1	123	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	4	126.6	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	5	131	103	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	3	167	103	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Deep Fork: Eastern	OK520710-02-0060G	07/18/00	19000	50	13	100	3	2	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	1	16	115	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	1	83.6	115	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	38	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	8	92	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	22	94	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	3	95	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	1	110.5	115	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	1	131	115	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	2	164	115	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	10	167	115	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	1	196	115	ARTHROPODA	Insecta	Plecoptera		
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	23	228	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	1	234	115	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	12.5	7	75	3	3	247	115	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	18.2	169	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	60	169	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	22	90	169	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	37	92	169	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	94	169	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	14	95	169	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	5	104	169	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	41	122.5	169	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	2	122.7	169	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	4	131	169	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	133	169	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	8	142	169	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	4	142.4	169	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	167	169	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	198	169	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	9	201	169	ARTHROPODA	Insecta	Plecoptera	Chloroperlidae	Alloperla
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	3	205	169	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	216	169	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Clioperla
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	5	218	169	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	4	219.5	169	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Oemopteryx
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	1	233	169	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Dibusa
riffle	Greenleaf Ck	OK120400-01-0120C	02/17/99	17101	25	4	100	3	3	235.5	169	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ochrotrichia
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	1	60	101	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	30	92	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	2	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	3	95	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	1	99	101	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	2	122.7	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	1	142	101	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	1	167	101	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	59	198	101	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Greenleaf Ck	OK120400-01-0120C	01/11/00	18256	12.5	5	100	3*	1	218	101	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	2	3.7	121	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	1	8.5	121	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	2	60	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	4	90	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	6	92	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	1	95	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	2	104	121	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	5	117	121	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	2	122.5	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	48	123	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	3	139	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	6	142.4	121	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	23	228	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Greenleaf Ck	OK120400-01-0120C	07/10/00	19058	25	8	100	3	16	247	121	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	1	14	95	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	1	18.2	95	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	3	19	95	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	1	59	95	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	4	60	95	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	2	90	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	41	92	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	2	94	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	1	95	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	30	104	95	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	2	111	95	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	6	131	95	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Rabb Ck	OK121400-01-0090D	02/16/99	17116	50	21	100	3	1	198	95	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	1	10	122	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	1	18.2	122	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	1	60	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	23	92	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	90	104	122	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	1	110.5	122	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	1	131	122	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	2	142	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	1	198	122	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Rabb Ck	OK121400-01-0090D	01/07/00	18328	12.5	3	100	3	1	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	3	60	84	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	4	62	84	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	1	71	84	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	15	90	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	1	92	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	17	94	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	6	95	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	1	104	84	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	3	122.7	84	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	2	123	84	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	1	126.6	84	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	3	131	84	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	3	142	84	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	2	142.4	84	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	1	178	84	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	13	228	84	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	1	229	84	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Rabb Ck	OK121400-01-0090D	08/03/99	19261	100	11	100	3	7	247	84	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	4	18.2	110	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	12	60	110	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	1	62	110	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	7	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	31	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	6	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	2	99	110	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	2	131	110	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	5	142	110	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	1	142.4	110	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	33	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	2	229	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	3	247	110	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Rabb Ck	OK121400-01-0090D	07/18/00	21460	50	5	90	3	1	279	110	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	1	48	97	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	1	70	97	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	3	90	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	44	92	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	4	104	97	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	5	131	97	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	14	142	97	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	1	178	97	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	3	198	97	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	3	205	97	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	3	211	97	ARTHROPODA	Insecta	Plecoptera	Perlidae	Acroneuria
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	4	214	97	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	1	217	97	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	9	218	97	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Hogshooter Ck	OK121400-01-0300J	02/16/99	17117	25	15	100	3	1	228	97	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	2	28	87	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	1	48	87	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	1	70	87	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	2	90	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	42	92	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	20	104	87	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	1	131	87	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	1	141	87	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	11	142	87	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	1	179	87	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	1	196	87	ARTHROPODA	Insecta	Plecoptera		
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	2	228	87	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hogshooter Ck	OK121400-01-0300J	01/05/00	18321	25	10	100	3	2	247	87	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	2	60	149	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	1	68	149	ARTHROPODA	Insecta	Coleoptera	Hydraenidae	Octhebius
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	1	71	149	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	37	90	149	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	2	92	149	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	5	94	149	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	7	95	149	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	2	99	149	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	1	104	149	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	1	111	149	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	6	122.7	149	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	2	139	149	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	3	142.4	149	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	2	151	149	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	2	158.5	149	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	40	228	149	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	4	229	149	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Hogshooter Ck	OK121400-01-0300J	08/03/99	19260	25	9	100	3	31	247	149	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	3	3.7	120	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	19	120	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	28	120	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	31.1	120	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	2	60	120	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	2	71	120	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	75	120	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	87.75	120	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Dasyhelea
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	11	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	5	92	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	19	94	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	19	95	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	111	120	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	131	120	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	12	142	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	1	179	120	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	2	213	120	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	17	228	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	2	234	120	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	14	247	120	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	4	70	3	4	267	120	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	5	19	100	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	3	54	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	1	70	100	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	1	87.6	100	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	7	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	69	92	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	3	104	100	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	10	131	100	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Lightning Ck	OK121510-01-0130M	02/22/99	17118	25	9	80	3	1	178	100	ARTHROPODA	Insecta	Odonata	Coenagrionidae	

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	3	60	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	1	90	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	56	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	1	94	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	33	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	5	126.6	102	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	1	131	102	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	1	198	102	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Lightning Ck	OK121510-01-0130M	01/13/00	17286	12.5	13	40	3	1	258	102	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	2	60	143	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	1	81	143	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	6	90	143	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	8	92	143	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	2	94	143	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	13	95	143	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	8	99	143	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	23	123	143	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	9	167	143	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	56	228	143	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	13	234	143	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Lightning Ck	OK121510-01-0130M	07/18/00	19050	25	5	100	3	2	235.5	143	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ochrotrichia
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	1	3.7	82	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	1	10	82	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	1	13	82	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	1	18.1	82	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Aulodrilus
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	4	19	82	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	8	60	82	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	5	90	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	25	92	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	18	104	82	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	3	131	82	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	3	142	82	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	2	198	82	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	1	214	82	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	3	217	82	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	California Ck	OK121510-02-0050C	02/22/99	17121	50	9	70	3	6	258	82	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	1	18.2	111	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	1	19	111	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	8	60	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	1	90	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	9	92	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	73	104	111	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	1	117	111	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	1	120	111	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	4	142	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	6	198	111	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	1	214	111	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	California Ck	OK121510-02-0050C	01/07/00	18327	6.25	5	100	3*	5	258	111	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	3	54	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	30	60	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	14	90	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	11	94	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	4	95	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	4	104	122	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	1	111	122	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	1	117	122	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	4	122.7	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	5	123	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	2	131	122	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	3	139	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	1	142	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	3	142.4	122	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	1	158.5	122	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	7	167	122	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	22	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	1	234	122	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	California Ck	OK121510-02-0050C	07/18/00	19052	25	3	100	3	4	247	122	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	18.2	98	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	9	60	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	11	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	6	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	15	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	99	98	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	122.7	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	126.6	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	139	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	151	98	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	158.5	98	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	17	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	1	229	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	California Ck	OK121510-02-0050C	08/03/99	19262	100	4	100	3	31	247	98	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	1	14	112	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	2	35	112	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	1	60	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	6	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	78	92	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	1	94	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	11	104	112	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	7	142	112	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	3	204.1	112	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Paraleuctra
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	1	217	112	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Snow Ck	OK121510-02-0250F	02/22/99	17119	9999	9	80	3	1	218	112	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Snow Ck	OK121510-02-0250F	01/05/00	17280	50	8	100	3	1	3.7	110	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Snow Ck	OK121510-02-0250F	01/05/00	17280	50	8	100	3	64	35	110	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Snow Ck	OK121510-02-0250F	01/05/00	17280	50	8	100	3	15	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Snow Ck	OK121510-02-0250F	01/05/00	17280	50	8	100	3	20	104	110	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Snow Ck	OK121510-02-0250F	01/05/00	17280	50	8	100	3	6	198	110	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Snow Ck	OK121510-02-0250F	01/05/00	17280	50	8	100	3	4	258	110	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	1	60	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	7	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	28	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	1	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	2	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	4	122.7	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	7	131	98	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	8	142	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	1	142.4	98	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	2	198	98	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	2	204.1	98	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Paraleuctra
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	12	214	98	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	12	217	98	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	9	218	98	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	1	234	98	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Big Ck	OK121510-03-0010G	02/22/99	17120	25	9	100	3	1	264	98	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Lymnaea
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	1	14	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	4	19	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	5	60	113	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	4	92	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	1	95	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	70	104	113	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	6	111	113	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	2	117	113	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	1	142	113	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	12	198	113	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	1	220	113	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Big Ck	OK121510-03-0010G	01/13/00	17287	12.5	4	70	3	6	258	113	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	18	60	164	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	13	90	164	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	13	94	164	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	8	95	164	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	2	117	164	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	1	122.7	164	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	4	142.4	164	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	1	179	164	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	93	228	164	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Big Ck	OK121510-03-0010G	07/18/00	19051	25	2	100	3	11	247	164	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	1	23.4	111	ARTHROPODA	Acari	Arcarina	Torrenticolidae	Torrenticola
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	1	60	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	29	90	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	9	92	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	3	94	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	15	95	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	3	104	111	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	7	122.5	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	4	122.7	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	1	131	111	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	1	133	111	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	2	139	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	1	140	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Rithrogena
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	6	142	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	12	142.4	111	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	1	188.5	111	ARTHROPODA	Insecta	Odonata	Gomphidae	Lanthus
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	7	201	111	ARTHROPODA	Insecta	Plecoptera	Chloroperlidae	Alloperla
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	1	218	111	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	4	219.5	111	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Oemopteryx
riffle	Fourteenmile Ck	OK121600-01-0100C	02/16/99	17102	25	9	100	3	2	247	111	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	7	90	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	42	92	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	8	94	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	22	95	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	9	122.7	150	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	11	142	150	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	33	142.4	150	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	1	164	150	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	2	178	150	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	7	219.5	150	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Oemopteryx
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	6	228	150	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	25	3	100	3*	2	247	150	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	1	8.5	96	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	1	31.1	96	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	1	60	96	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	15	90	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	13	92	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	14	94	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	7	95	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	6	123	96	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	5	131	96	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	2	139	96	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	4	142	96	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	7	142.4	96	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	4	143	96	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	1	151	96	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	5	167	96	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	7	228	96	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	1	247	96	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	1	281	96	NEMATODA				
riffle	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	6.25	10	100	3	1	285.5	96	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	2	18.2	144	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	1	19	144	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	3	28	144	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	13	35	144	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	19	90	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	3	91	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Diamesinae
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	69	92	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	3	94	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	3	95	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	1	104	144	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	1	122.7	144	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	8	131	144	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	8	142	144	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	1	196	144	ARTHROPODA	Insecta	Plecoptera		
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	7	214	144	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	1	218	144	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Chouteau Ck	OK121600-01-0430M	02/16/99	17104	9999	9*	100	3	1	281	144	NEMATODA				

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	40	13	115	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	5	18.2	115	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	1	18.3	115	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Ilyodrilus
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	5	19	115	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	2	28	115	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	2	29.6	115	ARTHROPODA	Crustacea	Copepoda	Cyclopidae	Cyclops
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	1	35	115	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	2	60	115	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	2	87.6	115	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	18	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	25	92	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	3	95	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	4	131	115	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Chouteau Ck	OK121600-01-0430M	01/10/00	18254	12.5	3	100	3*	5	153	115	ARTHROPODA	Insecta	Hemiptera	Corixidae	
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	3.7	99	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	18.2	99	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	12	19	99	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	3	28	99	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	29.1	99	ARTHROPODA	Crustacea	Cladocera		
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	31.1	99	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	54	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	4	60	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	6	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	13	94	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	10	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	3	122.7	99	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	11	128.8	99	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	7	131	99	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	2	141	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	12	142	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	143	99	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	180	99	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	239	99	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Oecetis
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	262	99	MOLLUSCA	Gastropoda	Basommatophora	Ancylidae	Ferrissia
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	3	275	99	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	3	279	99	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Chouteau Ck	OK121600-01-0430M	07/10/00	19056	50	11	100	3	1	285.5	99	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	5	3	130	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	1	10	130	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	2	14	130	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	37	90	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	1	94	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	29	95	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	1	131	130	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	51	228	130	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	1	247	130	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	1	287	130	PORIFERA	Demospongiae	Haplosclerida	Spongillidae	
riffle	Horse Ck	OK121600-03-0160G	07/20/99	17263	25	8	100	3	1	290	130	BRYOZOA				
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	9	3.7	121	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	1	8.5	121	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	1	19	121	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	1	28	121	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	1	51.2	121	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Neobidessus
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	1	71.1	121	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Helobata
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	4	83.6	121	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	13	90	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	33	92	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	2	95	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	36	104	121	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	2	131	121	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	14	142	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	2	198	121	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Horse Ck	OK121600-03-0160G	01/07/00	17283	12.5	9	100*	3	1	285.5	121	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	1	3.7	130	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	2	13	130	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	2	16	130	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	6	19	130	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	1	83.2	130	ARTHROPODA	Insecta	Coleoptera	Staphylinidae	
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	44	90	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	1	92	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	5	94	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	13	95	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	40	104	130	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	3	131	130	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	8	228	130	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Horse Ck	OK121600-03-0160G	07/11/00	19063	25	1	100	3	4	285.5	130	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	1	16	136	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	1	28	136	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	2	32	136	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Orconectes
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	6	60	136	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	1	81	136	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	9	90	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	2	92	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	17	94	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	3	95	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	2	99	136	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	10	104	136	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	3	122.7	136	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	33	123	136	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	1	142	136	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	26	228	136	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	5	229	136	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	1	235	136	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ithytrichia
riffle	Fly Ck	OK121600-03-0180D	07/19/99	13426	12.5	16	100	3	13	247	136	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	6	19	114	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	5	35	114	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	2	37	114	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	Gammarus
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	1	60	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	3	83.6	114	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	5	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	21	92	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	4	94	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	5	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	1	99	114	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	2	115.7	114	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	12	131	114	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	18	142	114	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	6	179	114	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	10	198	114	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	6	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	3	247	114	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	1	252	114	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Polycentropus
riffle	Fly Ck	OK121600-03-0180D	01/07/00	17282	50	3	90	3	3	285.5	114	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	1	8.5	136	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	2	16	136	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	1	19	136	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	3	32	136	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Orconectes
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	22	60	136	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	11	81	136	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	13	90	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	9	92	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	5	94	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	6	95	136	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	4	122.7	136	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	13	123	136	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	2	131	136	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	1	141	136	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	21	142	136	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	5	143	136	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	12	228	136	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	1	229	136	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Fly Ck	OK121600-03-0180D	07/11/00	19064	100	5	100	2	4	285.5	136	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	12.5	5	50	3	1	3.7	105	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	12.5	5	50	3	44	35	105	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	12.5	5	50	3	6	60	105	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	12.5	5	50	3	6	92	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	12.5	5	50	3	46	104	105	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	12.5	5	50	3	2	258	105	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Cow Ck	OK121600-04-0130G	01/21/00	17289	6.25	2	65	3	125	104	127	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Cow Ck	OK121600-04-0130G	01/21/00	17289	6.25	2	65	3	2	279	127	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	3.125	3	100	3	1	19	117	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	3.125	3	100	3	1	35	117	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	3.125	3	100	3	16	92	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	3.125	3	100	3	99	104	117	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	4	3.7	114	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	6	62	114	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	1	83	114	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	21	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	14	92	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	28	94	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	12	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	1	104	114	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	2	123	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	1	131	114	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	23	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fourmile Ck	OK121600-04-0170G	07/17/00	19071	50	3	100	3	1	229	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	1	18.2	102	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	1	19	102	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	3	35	102	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	2	60	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	9	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	41	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	2	115.2	102	ARTHROPODA	Insecta	Diptera	Tipulidae	Eriocera
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	1	117	102	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	14	131	102	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	2	142	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	12	198	102	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	10	258	102	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	2	267	102	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	1	279	102	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Russell Ck	OK121600-04-0200G	01/05/00	17278	25	11	80	3	1	281.5	102	NEMERTEA	Enopla	Hoplonemertea	Tetrastemmatidae	Prostoma
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	1	18.2	130	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	1	19	130	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	1	31.1	130	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	1	35.5	130	ARTHROPODA	Crustacea	Ostracoda		
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	7	60	130	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	2	71	130	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	13	90	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	1	92	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	44	94	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	15	95	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	8	117	130	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	4	122.7	130	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	10	131	130	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	7	142	130	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	3	142.4	130	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	1	144	130	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Choroterpes
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	1	179	130	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Russell Ck	OK121600-04-0200G	07/17/00	19073	25	11	100	3	10	228	130	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	9	13	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	9	14	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	1	18.1	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Aulodrilus
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	2	18.3	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Ilyodrilus
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	6	19	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	2	19.2	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Quistadrilus
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	63	90	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	16	92	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	4	95	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bull Ck	OK121600-06-0200G	02/22/99	17123	25	6	100	3	1	281	113	NEMATODA				
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	5	3.7	108	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	1	18.2	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	8	18.3	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Ilyodrilus
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	64	19	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	11	19.2	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Quistadrilus
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	1	28	108	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	2	35	108	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	1	83.6	108	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	12	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	2	142	108	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	5	60	3	1	167	108	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	10	13	172	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	3	14	172	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	8	19	172	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	2	29.5	172	ARTHROPODA	Crustacea	Copepoda		
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	1	35.5	172	ARTHROPODA	Crustacea	Ostracoda		
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	1	88.07	172	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Stilobezzia
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	133	90	172	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	1	94	172	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	5	95	172	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	3	124	172	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Callibaetis
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	2	153	172	ARTHROPODA	Insecta	Hemiptera	Corixidae	
riffle	Bull Ck	OK121600-06-0200G	07/18/00	19048	50	3	100	3	1	267	172	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	13	112	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	14	112	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	35	112	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	11	60	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	6	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	59	92	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	94	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	2	95	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	4	104	112	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	115.2	112	ARTHROPODA	Insecta	Diptera	Tipulidae	Eriocera
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	122.7	112	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	131	112	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	142	112	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	4	198	112	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	6	214	112	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	217	112	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	1	218	112	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	PawPaw Ck	OK121600-06-0240G	02/22/99	17122	25	19	100	3	10	258	112	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	18.3	66	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Ilyodrilus
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	4	19	66	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	35	66	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	5	60	66	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	83	66	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	84.5	66	ARTHROPODA	Insecta	Diptera	Anthomyiidae	Limnophora

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	90	66	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	7	92	66	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	2	96.1	66	ARTHROPODA	Insecta	Diptera	Dolichopodidae	Hydrophorus
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	107.5	66	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Euparyphus
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	4	117	66	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	120	66	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	131	66	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	161	66	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	2	167	66	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	16	198	66	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	16	258	66	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	12.5	21	65	3	1	281.5	66	NEMERTEA	Enopla	Hoplonemertea	Tetrastemmatidae	Prostoma
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	13	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	50	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	2	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	1	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	3	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	1	99	119	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	1	117	119	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	37	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	1	234	119	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	PawPaw Ck	OK121600-06-0240G	07/18/00	19049	25	5	100	3	10	247	119	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	2	19	138	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	1	59	138	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	1	87.6	138	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	1	90	138	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	6	92	138	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	4	95	138	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	3	104	138	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	1	110.5	138	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	3	122.5	138	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	12	123	138	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	2	142.4	138	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Warren Branch Ck	OK121600-07-0050G	01/18/00	17288	12.5	4	60	3	102	228	138	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	1	22	128	ARTHROPODA	Acari			
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	2	35	128	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	10	37	128	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	Gammarus
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	1	60	128	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	1	81	128	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	1	87.5	128	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	18	90	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	47	92	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	7	94	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	3	95	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	12	104	128	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	2	122.5	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	6	123	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	4	126.4	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Diphetor
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	10	228	128	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	1	229	128	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	1	234	128	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Warren Branch Ck	OK121600-07-0050G	07/28/99	17554	6.25	13	100	3	1	247	128	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	4	35	282	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	3	37	282	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	Gammarus
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	1	60	282	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	25	90	282	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	135	92	282	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	24	94	282	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	64	95	282	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	2	113	282	ARTHROPODA	Insecta	Diptera	Tipulidae	Antocha
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	7	123	282	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	1	131	282	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	7	142	282	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	1	143	282	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	1	178	282	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	2	225	282	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	2	234	282	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	1	252	282	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Polycentropus
riffle	Warren Branch Ck	OK121600-07-0050G	07/17/00	19067	100	2	100*	2	2	258	282	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	16	35	102	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	14	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	1	95	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	2	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	8	122.5	102	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	3	142	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	19	142.4	102	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	11	151	102	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	1	167	102	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	2	212	102	ARTHROPODA	Insecta	Plecoptera	Perlidae	Agnetina=Phasgan
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	2	213	102	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	12	228	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	12.5	4	100	3	11	229	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	61	90	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	33	92	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	8	94	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	10	95	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	4	123	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	1	142	128	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	2	142.4	128	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	7	228	128	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fivemile Ck	OK121600-07-0110G	07/27/99	17553	6.25	13	100	3	2	247	128	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	3	35	162	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	1	35.5	162	ARTHROPODA	Crustacea	Ostracoda		
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	3	60	162	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	2	81	162	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	9	90	162	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	59	92	162	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	4	94	162	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	5	95	162	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	2	104	162	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	2	122.5	162	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	4	123	162	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	5	131	162	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	9	142	162	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	22	142.4	162	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	1	151	162	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	13	228	162	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	15	229	162	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Fivemile Ck	OK121600-07-0110G	07/17/00	19069	9999	9*	100*	3*	3	247	162	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	8	35	103	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	57	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	2	59	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	19	81	103	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	2	83.6	103	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	18	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	2	120	103	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	123	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	134	103	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	2	139	103	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	12	142.4	103	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	7	145	103	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	161	103	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	2	178	103	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	211	103	ARTHROPODA	Insecta	Plecoptera	Perlidae	Acroneuria
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	11	218	103	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	7	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	3	247	103	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	252	103	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Polycentropus
riffle	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	12.5	11	100	3	1	272.5	103	MOLLUSCA	Gastropoda	Architaenioglossa	Viviparidae	Campeloma
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	4	3	133	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	3	10	133	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	3	22	133	ARTHROPODA	Acari			
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	32	133	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Orconectes
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	35	133	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	17	60	133	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	2	81	133	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	16	90	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	8	92	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	8	94	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	7	95	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	104	133	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	2	117	133	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	122.5	133	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	32	123	133	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	131	133	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	2	139	133	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	5	142	133	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	4	142.4	133	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	168	133	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Nigronia
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	12	228	133	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	247	133	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Fivemile Ck	OK121600-07-0120D	07/27/99	17552	12.5	17	100	3	1	272	133	MOLLUSCA	Gastropoda	Neotaenioglossa	Pleuroceridae	Goniobasis
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	1	23.4	168	ARTHROPODA	Acari	Arcarina	Torrenticolidae	Torrenticola
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	3	31.1	168	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	2	35	168	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	4	60	168	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	5	81	168	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	27	90	168	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	25	92	168	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	5	94	168	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	17	95	168	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	1	104	168	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	8	123	168	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	12	131	168	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	13	139	168	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	2	141	168	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	6	142	168	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	2	142.4	168	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	4	204	168	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Leuctra
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	1	213	168	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	26	228	168	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	1	262	168	MOLLUSCA	Gastropoda	Basommatophora	Ancylidae	Ferrissia
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	1	272	168	MOLLUSCA	Gastropoda	Neotaenioglossa	Pleuroceridae	Goniobasis
riffle	Little Fivemile Ck	OK121600-07-0120D	07/17/00	19068	25	3	100	3	2	285.5	168	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	1	18.2	115	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	1	19	115	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	27	60	115	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	3	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	3	111	115	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	2	123	115	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	1	142	115	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	2	142.4	115	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	5	167	115	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	40	228	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	5	229	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	6.25	5	100	3*	25	247	115	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	2	14	145	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	2	60	145	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	3	90	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	2	92	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	1	93	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	3	94	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	5	95	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	91	104	145	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	6	142	145	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	4	142.4	145	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	8	151	145	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	1	167	145	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	14	228	145	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	2	229	145	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Bird Ck	OK121300-03-0010A	01/05/00	18324	12.5	3	100	3*	1	267	145	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	7	90	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	2	94	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	7	95	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	1	142	96	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	2	151	96	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	2	167	96	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	10	228	96	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	64	229	96	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Bird Ck	OK121300-03-0010A	08/03/99	19264	100	4	100	3	1	234	96	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	18.2	129	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	19	129	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	3	60	129	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	36	90	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	4	92	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	3	94	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	11	95	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	104	129	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	123	129	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	131	129	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	2	139	129	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	7	142	129	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	142.4	129	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	151	129	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	159	129	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	164	129	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	2	167	129	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	1	179	129	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	18	228	129	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	28	229	129	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	9	100	3	5	247	129	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	1	19	106	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	17	60	106	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	7	90	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	47	92	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	8	104	106	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	2	122.7	106	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	5	131	106	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	1	141	106	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	14	142	106	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	1	144	106	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Choroterpes
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	1	179	106	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	1	218	106	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Clear Ck	OK121300-03-0200C	02/24/99	17133	25	7	100	3	1	275	106	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	1	58	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	2	88.2	99	ARTHROPODA	Insecta	Diptera	Chaoboridae	Chaoborus
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	2	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	12	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	1	94	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	21	104	99	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	5	126.6	99	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	5	131	99	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	2	141	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	25	142	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	9	142.4	99	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	1	178	99	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	5	198	99	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	1	214	99	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	1	220.5	99	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	3	228	99	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	1	267	99	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Clear Ck	OK121300-03-0200C	01/04/00	18319	25	9	100	3	2	275	99	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	1	18.2	137	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	3	58	137	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	13	60	137	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	1	75	137	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	28	90	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	3	92	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	6	94	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	3	95	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	1	104	137	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	2	111	137	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	2	123	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	2	126.6	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	1	128.8	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	1	141	137	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	4	142	137	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	5	142.4	137	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	1	159	137	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	4	179	137	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	16	228	137	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	3	229	137	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	4	234	137	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Clear Ck	OK121300-03-0200C	08/02/99	19270	100	6	100	3*	33	247	137	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	1	3.7	110	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	1	18.2	110	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	3	60	110	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	24	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	2	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	2	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	1	99	110	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	3	104	110	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	6	111	110	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	2	123	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	1	142	110	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	8	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	1	229	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	6	234	110	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	9	40	3	49	247	110	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	1	60	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	26	92	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	6	94	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	79	104	122	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	1	131	122	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	3	142	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	1	142.4	122	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	3	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Buck Ck	OK121400-04-0050C	01/05/00	19197	25	7	100	3	2	279	122	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	20	60	95	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	3	71	95	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	1	75	95	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	17	90	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	6	94	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	10	95	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	2	141	95	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	1	142.4	95	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	1	155.8	95	ARTHROPODA	Insecta	Hemiptera	Hebridae	Merragata
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	1	158.5	95	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	11	167	95	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	1	179	95	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	3	228	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	8	229	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	1	234	95	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Buck Ck	OK121400-04-0050C	08/03/99	19265	50	8	100	3	9	247	95	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	1	58	182	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	8	60	182	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	35	90	182	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	3	92	182	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	8	94	182	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	15	95	182	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	1	99	182	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	4	104	182	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	19	123	182	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	1	139	182	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	3	142.4	182	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	4	167	182	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	1	179	182	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	55	228	182	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	19	229	182	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	1	238	182	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
riffle	Buck Ck	OK121400-04-0050C	07/18/00	21462	100	3	100	3	3	247	182	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	1	18.2	114	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	3	19	114	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	31	60	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	1	87.6	114	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	13	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	8	92	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	5	104	114	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	8	122.7	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	9	131	114	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	2	142	114	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	2	198	114	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	10	214	114	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	5	217	114	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	7	218	114	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	6	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	1	247	114	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	1	279	114	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	12.5	10	90	3	1	281	114	NEMATODA				
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	1	9	139	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	66	60	139	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	8	90	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	11	92	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	1	94	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	1	95	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	4	104	139	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	1	111	139	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	9	142	139	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	4	198	139	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	29	228	139	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	3	247	139	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	25	5	70	3	1	279	139	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	1	19	131	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	8	60	131	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	17	90	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	4	94	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	1	122.7	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	1	155.9	131	ARTHROPODA	Insecta	Hemiptera	Mesoveliidae	Mesovelia
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	65	228	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	07/29/99	18273	6.25	3	50	3	34	247	131	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	1	9	119	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	1	14	119	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	5	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	24	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	10	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	1	93	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	4	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	58	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	4	122.7	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	2	214	119	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	1	217	119	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	25	8	100	3	8	218	119	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	2	18.2	119	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	1	19	119	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	1	54	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	25	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	1	70	119	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	1	87.6	119	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	3	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	16	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	1	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	61	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	2	198	119	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	2	218	119	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	25	5	60	3	3	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	2	3.7	176	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	18.2	176	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	2	19	176	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	28	176	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	60	176	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	27	90	176	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	3	92	176	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	94	176	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	5	95	176	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	104	176	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	122.7	176	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	2	123	176	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	127.5	176	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	2	167	176	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	120	228	176	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	1	234	176	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	25	4	97	3	5	247	176	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	1	45	132	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	13	60	132	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	6	90	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	3	92	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	4	94	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	3	95	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	1	117	132	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	6	167	132	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	81	228	132	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	4	229	132	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	12.5	2	60	3	10	247	132	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	3	9	128	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	17	60	128	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	5	70	128	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	2	87.6	128	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	41	90	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	17	92	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	1	94	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	4	95	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	13	104	128	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	1	111	128	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	4	126.6	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	7	131	128	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	2	141	128	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	1	180	128	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	7	228	128	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	1	267	128	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Glasses Ck	OK310800-01-0020M	02/07/99	17177	6.25	7	60	3	2	269	128	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	2	3.7	129	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	1	4.1	129	ANNELIDA	Hirudinea	Rhynchobdellida	Glossiphoniidae	Helobdella
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	1	13	129	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	20	28	129	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	1	48	129	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	3	60	129	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	6	90	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	27	92	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	4	94	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	3	95	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	58	104	129	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	1	111	129	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Glasses Ck	OK310800-01-0020M	01/06/00	18161	50	10	50	3	2	126.6	129	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	3	16	127	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	5	60	127	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	70	127	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	88.06	127	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	13	90	127	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	4	94	127	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	2	95	127	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	158.5	127	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	159	127	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	167	127	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	177	127	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	3	179	127	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	186	127	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	51	228	127	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	2	234	127	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	36	247	127	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Glasses Ck	OK310800-01-0020M	07/27/99	18279	25	3	97	3	1	285.5	127	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	1	16	125	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	1	17	125	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	32	60	125	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	24	90	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	3	92	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	7	94	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	11	95	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	2	179	125	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	41	228	125	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	2	275	125	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Glasses Ck	OK310800-01-0020M	07/13/00	19045	25	5	100	3	1	278	125	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Pisidium

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	2	28	118	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	17	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	88.06	118	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	12	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	16	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	2	93	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	4	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	6	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	4	104	118	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	111	118	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	18	122.5	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	5	126.6	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	2	131	118	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	2	141	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	4	142	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	4	151	118	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	178	118	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	8	214	118	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	234	118	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	239	118	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Oecetis
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	247	118	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	3	267	118	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	269	118	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
riffle	Oil Ck	OK310800-01-0240P	02/07/99	17178	12.5	6	60	3	1	270.5	118	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Planorbella
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	1	18.2	120	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	2	19	120	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	2	28	120	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	4	60	120	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	11	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	23	92	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	16	94	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	11	95	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	1	104	120	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	1	122	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	2	122.5	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	2	131	120	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	8	142	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	4	142.4	120	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	7	151	120	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	2	179	120	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	1	196	120	ARTHROPODA	Insecta	Plecoptera		
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	4	214	120	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	12	228	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	1	232	120	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	4	247	120	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Oil Ck	OK310800-01-0240P	01/06/00	18163	25	7	50	3	1	267	120	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	2	58	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	21	60	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	2	87.6	121	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	20	90	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	1	92	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	4	94	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	24	95	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	1	107.5	121	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Euparyphus
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	1	126.6	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	10	142	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	2	142.4	121	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	1	151	121	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	2	164	121	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	9	167	121	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	1	178	121	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	5	213	121	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	3	228	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	5	231	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Smicridea
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	1	235.5	121	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ochrotrichia
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	5	247	121	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Oil Ck	OK310800-01-0240P	07/28/99	18267	100	3	70	5	1	275	121	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	2	19	121	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	1	23	121	ARTHROPODA	Acari	Arcarina		
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	46	60	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	1	87.6	121	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	13	90	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	1	92	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	1	94	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	3	95	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	2	123	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	3	142	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	3	142.4	121	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	37	228	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	7	247	121	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Oil Ck	OK310800-01-0240P	07/13/00	19047	25	5	57	3	1	275	121	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	1	9	108	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	2	18.2	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	1	48	108	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	1	74	108	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Laccobius
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	5	87.6	108	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	20	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	3	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	13	117.5	108	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	1	131	108	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	54	198	108	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	2	205	108	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	4	218	108	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	50	12	90	3	1	281	108	NEMATODA				
riffle	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	6	60	3	3	9	123	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	6	60	3	1	83.6	123	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	6	60	3	1	87.6	123	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	6	60	3	2	90	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	6	60	3	96	92	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	6	60	3	18	198	123	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	6	60	3	2	267	123	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	9	14	159	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	1	16	159	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	1	87.6	159	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	7	90	159	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	68	92	159	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	10	94	159	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	33	95	159	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	1	104	159	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	6	122.5	159	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	3	126.6	159	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	1	131	159	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	2	186	159	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	6	198	159	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	2	214	159	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	5	217	159	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	3	228	159	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	3	70	3	1	267	159	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	1	8.5	99	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	2	28	99	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	22	35	99	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	5	60	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	6	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	3	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	1	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	2	99	99	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	3	104	99	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	5	122.7	99	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	2	141	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	2	142	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	3	214	99	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	33	218	99	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	3	228	99	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	1	229	99	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	3	247	99	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	1	258	99	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	12.5	15	60	3	1	278	99	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Pisidium
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	2	9	111	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	1	28	111	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	3	35	111	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	7	60	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	1	92	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	2	94	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	60	104	111	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	4	117	111	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	3	120	111	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	2	142	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	7	228	111	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	14	247	111	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	2	258	111	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	2	262	111	MOLLUSCA	Gastropoda	Basommatophora	Ancylidae	Ferrissia
riffle	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	25	8	60	3	1	267	111	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	1	28	118	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	1	35	118	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	1	53.5	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	6	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	1	76	118	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	10	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	3	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	9	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	3	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	2	117	118	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	1	120	118	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	5	122.7	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	3	123	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	5	141	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	2	142	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	52	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	25	9	75	3	13	247	118	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	4	28	142	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	8	35	142	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	12	60	142	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	12	90	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	1	92	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	3	94	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	12	95	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	10	120	142	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	5	122.7	142	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	2	123	142	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	3	142	142	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	2	179	142	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	60	228	142	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	7	247	142	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	25	8	50	3	1	275	142	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	1	14	115	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	1	19	115	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	15	60	115	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	45	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	5	92	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	6	95	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	26	104	115	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	1	141	115	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	2	142	115	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	3	214	115	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	6	218	115	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	1	228	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	1	247	115	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	1	258	115	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	6.25	9	80	3	1	262.75	115	MOLLUSCA	Gastropoda	Neotaenioglossa	Hydrobiidae	
riffle	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	50	2	60	3	1	31.1	102	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	50	2	60	3	5	60	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	50	2	60	3	93	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	50	2	60	3	1	120	102	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	50	2	60	3	1	198	102	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	50	2	60	3	1	220	102	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	16	202	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	19	202	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	28	202	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	3	31.1	202	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	10	45	202	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	50	60	202	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	3	76	202	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	3	78.7	202	ARTHROPODA	Insecta	Coleoptera	Noteridae	Suphisellus
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	5	87.5	202	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	12	90	202	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	92	202	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	7	94	202	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	21	95	202	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	95.5	202	ARTHROPODA	Insecta	Diptera	Culicidae	Anopheles
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	117	202	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	4	122.7	202	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	141	202	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	3	142	202	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	2	144	202	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Choroterpes
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	151	202	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	158.5	202	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	4	167	202	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	48	228	202	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	1	229	202	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Tenmile Ck	OK410300-03-0270M	07/27/99	18281	50	6	97	3	17	247	202	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	1	19	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	1	31.1	108	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	3	60	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	7	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	3	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	1	94	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	1	95	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	1	117	108	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	1	143	108	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	79	228	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	4	247	108	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	4	275	108	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Tenmile Ck	OK410300-03-0270M	07/19/00	19029	25	6	100*	3	2	279	108	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	6.5	123	ANNELIDA	Polychaeta	Scolecida	Aeolosomatidae	Aeolosoma
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	6	14	123	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	23.2	123	ARTHROPODA	Acari	Arcarina	Hygrobatidae	Atractides
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	23.4	123	ARTHROPODA	Acari	Arcarina	Torrenticolidae	Torrenticola
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	2	54	123	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	70	123	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	3	90	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	33	92	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	10	94	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	99	123	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	4	104	123	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	5	111	123	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	122.5	123	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	14	122.7	123	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	7	126.6	123	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	2	131	123	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	142	123	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	178	123	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	4	186	123	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	5	217	123	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	3	225	123	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	9	228	123	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	5	247	123	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	1	267	123	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Eastman Ck	OK410700-00-0230D	02/07/99	17179	12.5	17	80	3	2	269	123	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	1	9	92	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	1	52	92	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Oreodytes
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	4	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	12	92	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	11	94	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	3	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	1	101	92	ARTHROPODA	Insecta	Diptera	Psychodidae	Pericoma
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	5	103	92	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	1	122.7	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	6	126.6	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	4	131	92	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	3	142	92	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	1	179	92	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	1	186	92	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	1	191	92	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	6	217	92	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	3	225	92	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	24	228	92	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Eastman Ck	OK410700-00-0230D	01/06/00	18160	25	13	60	3	4	247	92	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	4	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	4	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	4	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	7	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	7	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	1	126.6	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	1	128	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	15	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	1	159	109	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	1	167	109	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	1	178	109	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	1	179	109	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	7	186	109	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	13	191	109	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	37	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	4	234	109	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	5	85	3	1	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	2	23.4	181	ARTHROPODA	Acari	Arcarina	Torrenticolidae	Torrenticola
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	60	181	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	87.5	181	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	10	90	181	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	14	94	181	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	4	95	181	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	120	181	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	3	131	181	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	151	181	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	186	181	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	3	191	181	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	137	228	181	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	2	247	181	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	285.5	181	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	1	14	90	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	1	18.1	90	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Aulodrilus
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	14	19	90	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	3	60	90	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	20	90	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	15	92	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	5	94	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	6	95	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	14	104	90	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	3	139	90	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	1	147	90	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	1	218	90	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	25	24	80	3	6	228	90	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	1	14	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	2	19	109	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	23	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	2	70	109	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	1	87.6	109	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	8	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	16	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	3	93	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	4	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	8	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	18	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	1	117	109	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	4	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	4	142	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	3	142.4	109	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	1	167	109	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	3	179	109	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	6	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Wewoka Ck	OK520500-02-0010E	01/18/00	18124	50	12	100*	3*	1	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	3	60	129	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	4	90	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	2	94	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	1	127.5	129	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	4	139	129	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	25	142.4	129	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	1	149.6	129	ARTHROPODA	Insecta	Ephemeroptera	Polymitarcyidae	Tortopus
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	1	151	129	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	14	167	129	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	60	228	129	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	4	229	129	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	25	5	70	3	10	230	129	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Potamyia
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	1	60	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	6	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	3	94	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	2	104	100	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	1	131	100	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	3	139	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	41	142.4	100	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	1	151	100	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	2	167	100	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	1	177	100	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	25	228	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	2	229	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	11	230	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Potamyia
riffle	Wewoka Ck	OK520500-02-0010E	07/18/00	19004	12.5	13	100	3	1	247	100	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	2	10	102	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	1	14	102	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	2	19	102	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	1	88.2	102	ARTHROPODA	Insecta	Diptera	Chaoboridae	Chaoborus
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	3	90	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	64	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	27	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	1	218	102	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Wewoka Ck	OK520500-02-0010T	02/23/99	17138	12.5	10	75	3	1	228	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	3	11.5	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Bratislavia
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	4	13	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	1	14	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	5	16	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	13	19	109	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	2	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	30	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	31	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	4	93	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	5	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	1	99.6	109	ARTHROPODA	Insecta	Diptera	Ephydridae	Ephydra
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	2	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	5	179	109	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Wewoka Ck	OK520500-02-0010T	01/18/00	18125	25	9	100*	3*	3	267	109	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	6.25	7	90	3	37	90	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	6.25	7	90	3	5	92	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	6.25	7	90	3	3	93	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	6.25	7	90	3	4	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	6.25	7	90	3	2	95	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	6.25	7	90	3	2	167	101	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	6.25	7	90	3	48	228	101	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Wewoka Ck	OK520500-02-0010T	07/18/00	19003	12.5	4	50	3	1	87.6	125	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Wewoka Ck	OK520500-02-0010T	07/18/00	19003	12.5	4	50	3	81	90	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Wewoka Ck	OK520500-02-0010T	07/18/00	19003	12.5	4	50	3	12	92	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Wewoka Ck	OK520500-02-0010T	07/18/00	19003	12.5	4	50	3	8	94	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Wewoka Ck	OK520500-02-0010T	07/18/00	19003	12.5	4	50	3	2	95	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Wewoka Ck	OK520500-02-0010T	07/18/00	19003	12.5	4	50	3	21	228	125	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Turkey Ck	OK520510-00-0100E	02/23/99	17137	12.5	22	80	3	11	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Turkey Ck	OK520510-00-0100E	02/23/99	17137	12.5	22	80	3	52	92	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Turkey Ck	OK520510-00-0100E	02/23/99	17137	12.5	22	80	3	5	93	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Turkey Ck	OK520510-00-0100E	02/23/99	17137	12.5	22	80	3	50	104	120	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Turkey Ck	OK520510-00-0100E	02/23/99	17137	12.5	22	80	3	2	117.5	120	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	1	76	133	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	34	90	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	4	92	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	20	94	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	5	95	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	2	131	133	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	1	142.4	133	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	5	167	133	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	59	228	133	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Turkey Ck	OK520510-00-0100E	07/29/99	18270	50	7	50	3	2	247	133	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	28	19	74	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	50.1	74	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Hydrovatus
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	68	74	ARTHROPODA	Insecta	Coleoptera	Hydraenidae	Octhebius
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	71	74	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	71.6	74	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Hydrochara
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	72	74	ARTHROPODA	Insecta	Coleoptera	Helophoridae	Helophorus
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	83.6	74	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	88.05	74	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Palpomyia
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	4	90	74	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	20	92	74	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	95	74	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	101.3	74	ARTHROPODA	Insecta	Diptera	Psychodidae	Telmatoscopus
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	111	74	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	4	117.5	74	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	2	119	74	ARTHROPODA	Insecta	Diptera	Tipulidae	Ormosia
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	126	74	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Cloeon
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	1	131	74	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Turkey Ck	OK520510-00-0100E	01/03/00	18311	100	28	100	3*	4	155.8	74	ARTHROPODA	Insecta	Hemiptera	Hebridae	Merragata
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	1	48	99	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	7	60	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	1	74	99	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Laccobius
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	1	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	66	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	3	94	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	2	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	1	104	99	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	1	110.5	99	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	1	131	99	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	5	198	99	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	9	218	99	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Factory Ck	OK520600-01-0060P	02/18/99	17164	50	8	80	3	1	285.5	99	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	3	19	118	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	2	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	2	87.6	118	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	1	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	26	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	7	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	3	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	5	101.2	118	ARTHROPODA	Insecta	Diptera	Psychodidae	Psychoda
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	1	110.5	118	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	4	117.5	118	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	55	131	118	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	2	142	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	2	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	2	247	118	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Factory Ck	OK520600-01-0060P	01/07/00	18166	50	4	60	3	3	267	118	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	58	94	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	9	60	94	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	2	70	94	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	75	94	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	76	94	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	2	90	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	92	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	9	94	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	2	95	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	122.7	94	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	4	126.6	94	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	128	94	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	131	94	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	3	158.5	94	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	159	94	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	177	94	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	16	179	94	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	2	191	94	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	16	228	94	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	229	94	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	18	247	94	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Factory Ck	OK520600-01-0060P	07/28/99	18264	50	13	100	2	1	267	94	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	9	14	89	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	24	90	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	29	92	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	11	95	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	4	104	89	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	1	111	89	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	2	117.5	89	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	1	138	89	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Heptagenia
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	1	214	89	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	50	8	80	3	7	217	89	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	1	14	102	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	2	48	102	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	9	90	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	21	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	1	93	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	1	94	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	12	95	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	27	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	1	110.5	102	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	1	117.5	102	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	4	122.5	102	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	4	131	102	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	1	142	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	1	186	102	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	5	191	102	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	9	217	102	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	9	70	3	2	228	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	8	90	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	10	92	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	2	94	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	6	95	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	1	111	117	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	1	122.5	117	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	12	123	117	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	19	126.6	117	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	3	128	117	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	2	139	117	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	1	142	117	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	1	142.4	117	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	2	151	117	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	1	167	117	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	44	228	117	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	2	229	117	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	50	5	80	3	2	247	117	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	1	9	91	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	1	28	91	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	9	90	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	4	92	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	2	94	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	3	122.5	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	1	122.7	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	6	123	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	3	126.6	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	1	127.5	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	4	128	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	8	131	91	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	1	139	91	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	1	142	91	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	2	151	91	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	18	191	91	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	23	228	91	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	2	234	91	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	22	100*	2	1	247	91	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	1	10	109	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	1	13	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	2	14	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	3	19	109	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	13	58	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	1	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	2	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	47	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	2	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	27	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	1	126.6	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	2	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	1	167	109	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	1	186	109	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	2	214	109	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Captain Ck	OK520700-05-0140C	02/18/99	17111	25	10	70	3	3	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	83.2	150	ARTHROPODA	Insecta	Coleoptera	Staphylinidae	
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	88.05	150	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Palpomyia
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	58	90	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	8	92	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	9	94	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	11	95	150	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	99	150	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	104	150	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	10	123	150	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	126.6	150	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	128	150	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	3	142	150	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	6	142.4	150	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	5	151	150	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	2	167	150	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	184.1	150	ARTHROPODA	Insecta	Odonata	Gomphidae	Arigomphus
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	186	150	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	2	191	150	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	26	228	150	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	229	150	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	3	60	3	1	247	150	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	10	14	95	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	1	45	95	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	1	88.06	95	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	6	90	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	13	92	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	9	94	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	15	95	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	5	104	95	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	6	126.6	95	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	10	131	95	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	3	142	95	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	1	142.4	95	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	1	167	95	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	1	178	95	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	2	186	95	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	10	228	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Captain Ck	OK520700-05-0140C	01/06/00	18326	50	6	100	3	1	229	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	1	14	131	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	1	58	131	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	1	83.2	131	ARTHROPODA	Insecta	Coleoptera	Staphylinidae	
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	71	90	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	23	92	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	8	94	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	5	95	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	1	122.5	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	1	126.6	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	4	167	131	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	7	228	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	7	229	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Captain Ck	OK520700-05-0140C	07/18/00	18997	100	7	100	3	1	247	131	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	16	14	126	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	1	58	126	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	7	60	126	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	1	87.6	126	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	9	90	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	18	92	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	14	94	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	8	95	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	26	104	126	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	3	122.7	126	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	5	131	126	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	1	141	126	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	1	179	126	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	1	186	126	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	12	214	126	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Opossum Ck	OK520700-05-0200C	02/18/99	17112	25	9	70	3	3	228	126	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	2	54	95	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	6	60	95	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	29	90	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	9	94	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	9	95	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	2	117.5	95	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	2	123	95	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	1	131	95	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	1	139	95	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	7	141	95	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	5	151	95	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	2	167	95	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	3	179	95	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	15	228	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	1	229	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	9	100*	3*	1	247	95	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	2	19	87	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	1	90	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	3	92	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	2	95	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	58	104	87	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	6	122.7	87	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	10	126.6	87	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	1	131	87	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Opossum Ck	OK520700-05-0200C	01/06/00	18325	100	6	100	3*	4	141	87	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	4	14	131	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	1	18.2	131	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	3	54	131	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	2	60	131	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	1	87.6	131	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	21	90	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	14	92	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	21	94	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	32	95	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	1	126.6	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	5	131	131	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	1	139	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	2	141	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	2	151	131	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	3	167	131	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	4	179	131	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	11	228	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	6	100	3	3	234	131	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	1	3.70	117	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	2	60.00	117	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	4	90.00	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	1	92.00	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	2	94.00	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	96	104.00	117	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	1	114.50	117	ARTHROPODA	Insecta	Diptera	Tipulidae	Dactylolabis
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	1	122.70	117	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	1	142.00	117	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	7	214.00	117	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	12.5	4	100	2	1	218.00	117	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	29	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	3	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	3	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	1	99	109	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	3	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	2	123	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	12	141	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	1	142.4	109	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	35	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	17	229	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	2	232	109	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	
riffle	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	50	6	100*	3*	1	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	4	19	98	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	2	54	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	1	60	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	6	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	8	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	2	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	2	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	63	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	1	122.7	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	5	131	98	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	1	141	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	2	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	25	7	85	2	1	275	98	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	1	16	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	69	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	1	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	4	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	4	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	1	141	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	24	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	1	229	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	1	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	50	11	100	3	3	275	109	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	1	14	97	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	1	19	97	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	4	58	97	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	6	60	97	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	4	90	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	38	92	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	8	94	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	3	95	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	13	104	97	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	4	122.7	97	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	1	126.6	97	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	1	131	97	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	6	141	97	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	2	186	97	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	4	228	97	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Elm Ck	OK520810-00-0100C	02/19/99	17169	12.5	9	60	3	1	281	97	NEMATODA				
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	3	18.2	124	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	4	19	124	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	28	124	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	60	124	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	15	90	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	41	92	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	8	94	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	9	95	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	104	124	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	113	124	ARTHROPODA	Insecta	Diptera	Tipulidae	Antocha
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	6	131	124	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	4	164	124	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	167	124	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	2	179	124	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	3	186	124	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	21	228	124	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	229	124	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	234	124	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Elm Ck	OK520810-00-0100C	01/07/00	18169	12.5	5	60	3	1	275	124	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	9	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	17	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	2	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	1	94	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	1	95	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	8	104	116	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	1	111	116	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	14	123	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	1	131	116	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	1	139	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	1	141	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	2	151	116	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	2	164	116	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	2	167	116	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	1	177	116	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	34	228	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	16	229	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	80	3	3	247	116	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	3	18.2	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	4	58	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	9	60	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	3	87.6	108	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	15	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	12	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	8	94	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	95	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	111	108	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	8	123	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	2	131	108	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	151	108	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	164	108	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	167	108	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	186	108	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	16	228	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	2	229	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	234	108	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	267	108	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	9	100	3	1	275	108	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	1	18.2	98	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	1	87.5	98	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	14	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	1	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	5	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	13	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	42	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	1	126.6	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	2	142	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	13	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Lagoon Ck	OK620900-01-0180J	07/29/99	12137	50	2	100*	3*	5	247	98	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	12.5	10	70	3	1	19	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	12.5	10	70	3	1	60	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	12.5	10	70	3	3	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	12.5	10	70	3	35	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	12.5	10	70	3	67	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	12.5	10	70	3	1	281	108	NEMATODA				
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	1	18.2	109	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	6	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	3	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	72	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	1	122.7	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	2	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	17	142	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	1	147	109	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	1	198	109	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	4	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	6.25	9	80	3	1	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	1	28	138	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	6	60	138	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	35	90	138	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	4	92	138	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	16	94	138	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	30	95	138	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	8	104	138	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	3	141	138	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	6	142	138	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	1	146	138	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	6	179	138	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	17	228	138	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	1	234	138	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	4	100	3	4	247	138	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	4	60	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	35	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	3	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	4	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	1	123	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	1	131	103	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	41	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	13	229	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Euchee Ck	OK620900-01-0290R	07/29/99	11834	12.5	6	100*	3*	1	247	103	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	2	10	112	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	9	14	112	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	2	18.2	112	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	8	19	112	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	50	60	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	9	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	12	92	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	1	94	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	14	104	112	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	4	279	112	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Euchee Ck	OK620900-01-0290R	02/11/99	17114	50	10	60	3	1	281	112	NEMATODA				
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	1	11.5	119	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Bratislavia
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	2	14	119	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	1	16	119	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	3	18.2	119	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	7	19	119	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	10	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	15	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	4	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	4	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	10	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	10	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	1	153	119	ARTHROPODA	Insecta	Hemiptera	Corixidae	
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	13	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	1	267	119	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Euchee Ck	OK620900-01-0290R	01/06/00	17281	12.5	6	60	3	37	279	119	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	1	60	115	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	39	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	2	94	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	5	95	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	1	104	115	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	1	167	115	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	60	228	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	2	247	115	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Euchee Ck	OK620900-01-0290R	07/17/00	19010	25	8	100	3	4	279	115	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	2	60	85	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	1	87.6	85	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	28	90	85	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	1	92	85	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	3	94	85	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	18	95	85	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	9	104	85	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	1	122	85	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	2	126.6	85	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	2	131	85	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	2	141	85	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	1	142	85	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	1	179	85	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	4	228	85	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	7	229	85	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	1	234	85	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Council Ck	OK620900-02-0050H	07/29/99	11831	100	17	100*	3*	2	247	85	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Council Ck	OK620900-02-0050H	02/19/99	17143	6.25	17	60	3	1	14	118	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Council Ck	OK620900-02-0050H	02/19/99	17143	6.25	17	60	3	7	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Council Ck	OK620900-02-0050H	02/19/99	17143	6.25	17	60	3	1	84.5	118	ARTHROPODA	Insecta	Diptera	Anthomyiidae	Limnophora
riffle	Council Ck	OK620900-02-0050H	02/19/99	17143	6.25	17	60	3	9	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Council Ck	OK620900-02-0050H	02/19/99	17143	6.25	17	60	3	43	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Council Ck	OK620900-02-0050H	02/19/99	17143	6.25	17	60	3	57	104	118	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Council Ck	OK620900-02-0050H	01/04/00	17275	12.5	12	40	3	2	60	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Council Ck	OK620900-02-0050H	01/04/00	17275	12.5	12	40	3	1	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Council Ck	OK620900-02-0050H	01/04/00	17275	12.5	12	40	3	6	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Council Ck	OK620900-02-0050H	01/04/00	17275	12.5	12	40	3	3	95	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Council Ck	OK620900-02-0050H	01/04/00	17275	12.5	12	40	3	94	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Council Ck	OK620900-02-0050H	01/04/00	17275	12.5	12	40	3	1	131	108	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Council Ck	OK620900-02-0050H	01/04/00	17275	12.5	12	40	3	1	247	108	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	1	10	122	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	12	19	122	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	14	60	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	2	90	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	61	92	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	3	94	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	7	104	122	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	3	122.7	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	5	131	122	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	4	142	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	1	146	122	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	3	198	122	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	2	214	122	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	1	218	122	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	2	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Doga Ck	OK621200-02-0020M	02/23/99	17125	25	6	100	3	1	281	122	NEMATODA				
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	1	18.2	114	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	8	19	114	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	1	54	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	1	58	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	5	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	10	92	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	2	94	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	2	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	33	104	114	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	1	122.7	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	2	126.6	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	1	131	114	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	1	142	114	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	3	142.4	114	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	22	146	114	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	1	198	114	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	3	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Doga Ck	OK621200-02-0020M	01/04/00	18315	50	4	100	3	17	247	114	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	1	58	113	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	6	60	113	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	1	67.5	113	ARTHROPODA	Insecta	Coleoptera	Hydraenidae	Hydraena
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	21	90	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	5	92	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	6	94	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	3	95	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	1	95.5	113	ARTHROPODA	Insecta	Diptera	Culicidae	Anopheles
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	4	104	113	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	1	122.7	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	4	123	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	1	126.6	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	1	141	113	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	1	142.4	113	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	2	146	113	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	12	167	113	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	28	228	113	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Doga Ck	OK621200-02-0020M	08/02/99	19267	50	11	100	3	15	247	113	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	1	18.2	107	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	1	19	107	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	2	60	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	15	90	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	24	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	3	102.5	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Cnephia
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	43	104	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	1	111	107	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	5	122.7	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	1	131	107	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	7	198	107	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	2	214	107	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	1	217	107	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Camp Ck	OK621200-03-0040F	02/23/99	17126	25	7	60	3	1	218	107	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	2	10	100	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	13	100	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	7	14	100	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	3	19	100	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	60	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	5	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	10	92	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	5	95	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	49	104	100	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	122.7	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	3	126.6	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	131	100	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	142	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	142.4	100	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	2	146	100	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	151	100	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	2	198	100	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	4	228	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Camp Ck	OK621200-03-0040F	01/04/00	18312	25	5	100	3*	1	247	100	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	1	18.2	145	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	3	60	145	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	14	90	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	1	95	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	9	104	145	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	5	123	145	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	2	126.6	145	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	2	139	145	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	16	142.4	145	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	2	146	145	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	11	167	145	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	1	179	145	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	69	228	145	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Camp Ck	OK621200-03-0040F	07/17/00	19007	25	10	100	3	9	247	145	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	9	60	115	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	18	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	8	92	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	9	94	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	5	95	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	7	104	115	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	1	123	115	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	4	126.6	115	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	1	139	115	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	2	142	115	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	1	142.4	115	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	8	167	115	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	26	228	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	6	229	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	1	234	115	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Camp Ck	OK621200-03-0040F	08/02/99	19263	100	4	100	3	9	247	115	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	2	14	108	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	1	60	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	9	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	44	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	1	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	3	111	108	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	1	122.7	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	5	131	108	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	13	142	108	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	4	142.4	108	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	1	146	108	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	1	198	108	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	2	205	108	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	11	214	108	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	1	217	108	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	7	218	108	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	North Bird Ck	OK121300-03-0320M	02/24/99	17131	50	12	100	3	2	220	108	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	8	92	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	1	95	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	31	104	89	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	1	131	89	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	1	141	89	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	18	142	89	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	6	142.4	89	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	2	146	89	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	17	198	89	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	1	205	89	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	1	214	89	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	1	228	89	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	North Bird Ck	OK121300-03-0320M	01/05/00	18320	50	13	100	3	1	258	89	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	1	1.5	116	ANNELIDA	Branchiobdellida			
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	1	18.2	116	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	3	31.1	116	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	12	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	11	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	1	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	7	94	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	1	95	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	2	104	116	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	2	110.5	116	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	3	123	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	16	142	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	4	142.4	116	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	1	151	116	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	8	167	116	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	1	170	116	ARTHROPODA	Insecta	Megaloptera	Sialidae	Scirtes
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	4	179	116	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	16	228	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	1	229	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	North Bird Ck	OK121300-03-0320M	07/17/00	21457	100	13	100	3	21	247	116	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	2	14	107	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	18.2	107	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	2	19	107	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	54	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	58	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	60	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	15	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	94	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	4	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	35	104	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	111	107	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	17	126.6	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	4	131	107	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	2	142	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	5	142.4	107	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	4	146	107	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	2	151	107	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	198	107	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	2	220.5	107	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	5	228	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hominy Ck: Downstream	OK121300-04-0280M	01/04/00	18314	50	14	100	3*	1	247	107	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	45	90	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	15	92	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	15	94	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	41	95	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	1	99	135	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	1	126.6	135	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	2	131	135	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	1	151	135	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	13	228	135	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	100	4	30	2	1	275	135	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	1	60	129	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	7	90	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	20	92	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	1	94	129	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	27	104	129	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	4	122.7	129	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	3	126.6	129	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	7	131	129	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	26	142	129	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	1	142.4	129	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	7	214	129	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	3	217	129	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Hominy Ck: Upstream	OK121300-04-0280R	02/23/99	17128	50	10	100	3	22	218	129	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	2	14	50	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	1	90	50	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	4	92	50	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	1	99	50	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	34	104	50	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	1	111	50	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	1	126.6	50	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	1	146	50	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	4	198	50	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	25	11	100	3	1	220.5	50	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	4	60	165	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	1	88.06	165	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	17	90	165	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	1	92	165	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	5	95	165	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	3	104	165	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	1	111	165	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	2	126.6	165	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	1	142	165	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	5	142.4	165	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	1	143	165	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	46	167	165	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	24	228	165	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	2	229	165	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Hominy Ck: Upstream	OK121300-04-0280R	08/02/99	19266	100	13	100	3	52	247	165	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	1	19	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	5	60	113	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	11	90	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	2	94	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	4	95	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	4	104	113	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	4	123	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	1	142.4	113	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	7	167	113	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	1	177	113	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	39	228	113	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	1	229	113	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Hominy Ck: Upstream	OK121300-04-0280R	07/13/00	21452	50	5	20	3*	33	247	113	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	4	14	104	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	1	35	104	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	1	88.2	104	ARTHROPODA	Insecta	Diptera	Chaoboridae	Chaoborus
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	9	90	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	11	92	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	2	94	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	48	104	104	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	2	131	104	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	13	142	104	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	1	142.4	104	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	2	146	104	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	1	178	104	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	1	184	104	ARTHROPODA	Insecta	Odonata	Gomphidae	
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	2	220.5	104	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	5	228	104	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	North Buck Ck	OK121400-03-0210R	01/05/00	18323	50	7	100	3	1	267	104	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	18.2	92	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	6	60	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	70	92	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	75	92	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	8	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	3	92	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	9	94	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	8	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	122.7	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	4	123	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	4	131	92	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	139	92	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	141	92	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	142	92	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	142.4	92	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	151	92	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	153.5	92	ARTHROPODA	Insecta	Hemiptera	Gelastocoridae	
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	155.9	92	ARTHROPODA	Insecta	Hemiptera	Mesoveliidae	Mesovelia
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	8	167	92	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	5	179	92	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	10	228	92	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	6	229	92	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	2	230	92	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Potamyia
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	1	234	92	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	North Buck Ck	OK121400-03-0210R	08/02/99	19271	100	9	100	3	7	247	92	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	3	58	144	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	4	60	144	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	1	78.3	144	ARTHROPODA	Insecta	Coleoptera	Lutrochidae	Lutrochus
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	48	90	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	11	94	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	19	95	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	2	104	144	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	1	111	144	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	1	142	144	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	12	142.4	144	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	1	143	144	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	3	167	144	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	15	228	144	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	2	229	144	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	1	235	144	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ithytrichia
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	19	247	144	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	North Buck Ck	OK121400-03-0210R	07/17/00	21459	100	12	50	3	1	279	144	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	1	19	106	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	46	60	106	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	2	90	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	7	92	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	2	94	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	1	104	106	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	1	111	106	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	2	131	106	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	19	142	106	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	1	167	106	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	1	198	106	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	12	214	106	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	1	217	106	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	6	218	106	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Sand Ck	OK121400-04-0010T	02/24/99	17132	25	12	80	3	4	279	106	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	1	18.2	106	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	2	19	106	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	1	28	106	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	2	60	106	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	8	90	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	13	92	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	6	94	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	34	104	106	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	1	120	106	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	3	122.7	106	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	3	131	106	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	10	142	106	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	10	198	106	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	1	217	106	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	3	228	106	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	3	243.5	106	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	3	247	106	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	1	258	106	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Sand Ck	OK121400-04-0010T	01/05/00	18322	9999	8	100	3	1	279	106	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	2	19	101	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	2	45	101	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	8	60	101	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	1	72	101	ARTHROPODA	Insecta	Coleoptera	Helophoridae	Helophorus
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	1	83.2	101	ARTHROPODA	Insecta	Coleoptera	Staphylinidae	
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	39	90	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	1	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	2	111	101	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	1	123	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	1	158.5	101	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	5	167	101	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	4	170	101	ARTHROPODA	Insecta	Megaloptera	Sialidae	Scirtes
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	8	213	101	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	23	228	101	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	2	247	101	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	4	100	1	1	267	101	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	2	18.2	103	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	44	60	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	3	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	4	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	2	122.7	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	2	126.6	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	4	131	103	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	26	142	103	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	2	142.4	103	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	4	146	103	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	2	179	103	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	1	186	103	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	3	205	103	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	2	214	103	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	1	217	103	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Gray Horse Ck	OK621200-01-0400T	02/23/99	17124	50	6	100	3	1	220	103	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	5	19	91	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	1	19.2	91	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Quistadrilus
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	1	60	91	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	13	92	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	3	94	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	3	104	91	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	2	120	91	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	4	122.7	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	9	131	91	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	16	142	91	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	21	142.4	91	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	3	146	91	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	1	198	91	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	6	214	91	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Salt Ck	OK621200-04-0010J	02/24/99	17130	12.5	14	80	3	3	217	91	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	7	60	134	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	1	90	134	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	3	92	134	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	2	94	134	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	21	104	134	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	1	122.7	134	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	1	126.6	134	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	4	139	134	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	2	142	134	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	48	142.4	134	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	13	146	134	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	3	178	134	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	1	220.5	134	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	2	228	134	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	1	275	134	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Salt Ck	OK621200-04-0010J	01/04/00	18318	12.5	4	100	3	24	279	134	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	1	60	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	2	75	100	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	1	88.06	100	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	9	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	1	92	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	1	94	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	3	95	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	2	123	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	2	126.6	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	1	128.8	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	4	139	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	2	142	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	27	142.4	100	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	2	146	100	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	12	167	100	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	12	228	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	2	229	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	1	234	100	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Salt Ck	OK621200-04-0010J	08/02/99	19269	100	4	100	3	15	247	100	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	1	31.1	117	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	27	60	117	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	1	94	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	1	95	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	2	139	117	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	47	142.4	117	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	1	143	117	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	3	167	117	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	1	170	117	ARTHROPODA	Insecta	Megaloptera	Sialidae	Scirtes
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	1	179	117	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	12	228	117	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Salt Ck	OK621200-04-0010J	07/17/00	21455	25	9	90	3	20	247	117	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	1	18.2	120	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	54	60	120	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	4	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	5	92	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	3	94	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	1	104	120	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	11	111	120	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	2	126.6	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	6	131	120	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	22	142	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	1	179	120	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	2	198	120	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	1	205	120	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	3	214	120	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	2	217	120	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
riffle	Little Chief Ck	OK621200-04-0070C	02/24/99	17129	100	9	100	3	2	218	120	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	1	16	99	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	1	60	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	1	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	4	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	1	94	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	1	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	8	104	99	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	5	126.6	99	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	6	131	99	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	22	142	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	8	142.4	99	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	6	146	99	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	5	178	99	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	19	198	99	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	2	214	99	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	4	228	99	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	3	247	99	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	1	275	99	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	25	9	100	3	1	279	99	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	1	58	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	5	60	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	9	90	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	2	92	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	3	95	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	5	123	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	1	139	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	44	142.4	121	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	1	146	121	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	11	167	121	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	18	228	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	11	229	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Little Chief Ck	OK621200-04-0070C	08/02/99	19268	50	19	100	3	10	247	121	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	3	3.7	132	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	2	19	132	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	23	132	ARTHROPODA	Acari	Arcarina		
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	3	31.1	132	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	54	132	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	3	58	132	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	31	60	132	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	11	90	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	8	94	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	95	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	2	104	132	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	10	111	132	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	123	132	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	142.4	132	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	143	132	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	6	167	132	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	213	132	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	23	228	132	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	229	132	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	1	234	132	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	11	247	132	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	3	275	132	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
riffle	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	50	8	100	3	7	279	132	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	9	59	120	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	1	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	1	95	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	14	122.5	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	5	122.7	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	4	123	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	37	133	120	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	9	134	120	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	4	139	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	7	141	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	6	142	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	3	142.4	120	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	4	201	120	ARTHROPODA	Insecta	Plecoptera	Chloroperlidae	Alloperla
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	7	218	120	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	2	223	120	ARTHROPODA	Insecta	Trichoptera	Glossosomatidae	Agapetus
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	2	225	120	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	1	228	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	1	247	120	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	10	100	3	3	285.5	120	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	5.9	275	ANNELIDA	Hirudinea	Rhynchobdellida	Piscicolidae	Piscicola
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	3	10	275	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	17	275	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	2	23.2	275	ARTHROPODA	Acari	Arcarina	Hygrobatidae	Atractides
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	28	275	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	8	59	275	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	81	275	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	15	90	275	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	71	92	275	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	6	94	275	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	102	95	275	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	3	122.5	275	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	122.7	275	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	123	275	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	133	275	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	2	139	275	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	3	141	275	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	7	142	275	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	2	142.4	275	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	2	147	275	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	167	275	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	188.5	275	ARTHROPODA	Insecta	Odonata	Gomphidae	Lanthus
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	213	275	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	218	275	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	28	228	275	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	2	229	275	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	3	247	275	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	2	256	275	ARTHROPODA	Insecta	Trichoptera	Psychomyiidae	Psychomyia
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	2	272.5	275	MOLLUSCA	Gastropoda	Architaenioglossa	Viviparidae	Campeloma
riffle	Saline Ck	OK121600-02-0030D	01/10/00	18253	25	6	100	3*	1	285.5	275	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	1	28	105	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	2	31	105	ARTHROPODA	Crustacea	Decapoda	Cambaridae	

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	28	35	105	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	2	37	105	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	Gammarus
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	1	60	105	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	5	90	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	9	92	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	1	94	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	2	95	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	13	104	105	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	2	122.5	105	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	12	122.7	105	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	13	123	105	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	9	139	105	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	1	142	105	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	2	151	105	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Drowning Ck	OK121600-03-0090G	08/04/99	14486	25	5	100	3*	2	153	105	ARTHROPODA	Insecta	Hemiptera	Corixidae	
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	1	8.5	140	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	1	29.5	140	ARTHROPODA	Crustacea	Copepoda		
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	3	30	140	ARTHROPODA	Crustacea	Decapoda	Astacidae	
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	53	35	140	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	8	37	140	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	Gammarus
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	2	90	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	35	92	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	8	94	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	14	95	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	2	122.7	140	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	7	123	140	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	1	141	140	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	3	142	140	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	1	153	140	ARTHROPODA	Insecta	Hemiptera	Corixidae	
riffle	Drowning Ck	OK121600-03-0090G	07/11/00	19060	25	5	80	3	1	234	140	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Whitewater Ck	OK121600-03-0320G	07/21/99	17264	100*	9*	100	3	5	60	41	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Whitewater Ck	OK121600-03-0320G	07/21/99	17264	100*	9*	100	3	18	90	41	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Whitewater Ck	OK121600-03-0320G	07/21/99	17264	100*	9*	100	3	5	92	41	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Whitewater Ck	OK121600-03-0320G	07/21/99	17264	100*	9*	100	3	6	94	41	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Whitewater Ck	OK121600-03-0320G	07/21/99	17264	100*	9*	100	3	4	95	41	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Whitewater Ck	OK121600-03-0320G	07/21/99	17264	100*	9*	100	3	1	102.5	41	ARTHROPODA	Insecta	Diptera	Simuliidae	Cnephia
riffle	Whitewater Ck	OK121600-03-0320G	07/21/99	17264	100*	9*	100	3	2	123	41	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	2	8.5	132	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	1	19	132	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	1	23.3	132	ARTHROPODA	Acari	Arcarina	Sperchonidae	Sperchonopsis
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	3	28	132	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	3	34.5	132	ARTHROPODA	Crustacea	Isopoda	Asellidae	Asellus
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	2	59	132	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	2	90	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	33	92	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	2	95	132	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	35	122.5	132	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	7	122.7	132	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	4	133	132	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	4	142	132	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	2	147	132	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	18	218	132	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	3	219.5	132	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Oemopteryx
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	5	223	132	ARTHROPODA	Insecta	Trichoptera	Glossosomatidae	Agapetus
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	1	228	132	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	1	234	132	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	1	267	132	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	1	281	132	NEMATODA				
riffle	Whitewater Ck	OK121600-03-0320G	01/18/00	18250	6.25	6	100	3*	1	285.5	132	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	3.7	128	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	4	8.5	128	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	5	19	128	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	28	128	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	2	31.1	128	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	2	34.5	128	ARTHROPODA	Crustacea	Isopoda	Asellidae	Asellus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	35	128	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	36	128	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	4	59	128	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	4	60	128	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	13	81	128	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	83.6	128	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	12	90	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	2	92	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	4	94	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	8	95	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	117	128	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	13	122.7	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	38	123	128	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	4	139	128	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	142	128	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	2	151	128	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	2	167	128	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	272	128	MOLLUSCA	Gastropoda	Neotaenioglossa	Pleuroceridae	Goniobasis
riffle	Whitewater Ck	OK121600-03-0320G	08/14/00	19146	50	5	100	3	1	281	128	NEMATODA				
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	3.7	116	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	10	116	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	19	116	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	2	35	116	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	54	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	2	59	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	2	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	80	116	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Ectopria
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	83.6	116	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	5	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	32	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	3	94	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	10	95	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	7	104	116	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	122.5	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	2	122.7	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	131	116	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	133	116	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	20	142	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	4	142.4	116	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	2	145	116	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	1	151	116	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	3	179	116	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	3	212	116	ARTHROPODA	Insecta	Plecoptera	Perlidae	Agnetina=Phasgan
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	5	228	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Lost Ck	OK121600-03-0560G	01/21/00	17293	25	4	100	3	4	247	116	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	16	126	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	7	60	126	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	45	90	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	16	92	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	16	94	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	9	95	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	99	126	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	8	123	126	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	126.4	126	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Diphetor
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	131	126	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	136	126	ARTHROPODA	Insecta	Ephemeroptera	Ephemeridae	Ephemera
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	6	142	126	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	4	142.4	126	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	212	126	ARTHROPODA	Insecta	Plecoptera	Perlidae	Agnetina=Phasgan
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	213	126	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	2	227	126	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Ceratopsyche
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	5	228	126	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Lost Ck	OK121600-03-0560G	07/26/99	17551	100*	9*	100	3	1	247	126	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	1	3.7	101	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	1	8.5	101	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	5	36	101	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	1	59	101	ARTHROPODA	Insecta	Coleoptera	Elmidae	Optioservus
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	11	60	101	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	38	90	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	32	92	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	1	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	6	95	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	2	131	101	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	1	142	101	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	1	151	101	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
riffle	Lost Ck	OK121600-03-0560G	07/11/00	19065	25	9	100	3	1	210	101	ARTHROPODA	Insecta	Plecoptera	Perlidae	
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	2	3.7	126	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	82	90	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	17	92	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	4	95	126	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	2	98	126	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	1	122.5	126	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	2	142	126	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	6	214	126	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	7	218	126	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	2	220	126	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Brushy Ck	OK220600-03-0010T	02/17/99	17156	6.25	10	70	3	1	234	126	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	1	19	104	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	1	54	104	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	1	60	104	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	2	92	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	94	104	104	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	3	198	104	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	1	220	104	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Brushy Ck	OK220600-03-0010T	01/12/00	18147	6.25	2	60	3	1	220.5	104	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	4	60	131	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	1	71	131	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	1	76	131	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	8	90	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	8	94	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	7	95	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	2	123	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	3	141	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	1	142.4	131	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	71	228	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	16	229	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Brushy Ck	OK220600-03-0010T	07/23/99	18274	25	2	100	3	9	247	131	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	1.5	115	ANNELIDA	Branchiobdellida			
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	14	115	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	16	115	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	28	115	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	4	31.1	115	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	43	115	ARTHROPODA	Insecta	Coleoptera	Chrysomelidae	
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	6	60	115	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	16	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	3	94	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	2	131	115	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	2	142	115	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	155.7	115	ARTHROPODA	Insecta	Hemiptera	Hebridae	Hebrus
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	69	228	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	229	115	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	5	247	115	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Brushy Ck	OK220600-03-0010T	07/10/00	19013	50	6	100	2	1	279	115	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	1	8.5	121	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	3	35	121	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	3	60	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	8	90	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	24	92	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	3	95	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	5	98	121	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	1	107.8	121	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Nemotelus
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	5	122.5	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	1	131	121	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	5	139	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	1	141	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	44	142	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	13	142.4	121	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	3	214	121	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Pine Ck	OK410300-03-0580C	02/16/99	17153	25	8	80	3	1	229	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	3.7	105	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	3	9	105	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	30	105	ARTHROPODA	Crustacea	Decapoda	Astacidae	
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	35	105	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	58	105	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	60	105	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	81	105	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	92	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	19	103	105	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	104	105	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	4	120	105	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	3	122.5	105	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	134	105	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	141	105	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	17	142	105	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	5	142.4	105	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	143	105	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	167	105	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	179	105	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	198	105	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	211	105	ARTHROPODA	Insecta	Plecoptera	Perlidae	Acroneuria
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	17	220	105	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	6	220.5	105	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	2	228	105	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	3	247	105	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	3	258	105	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	9	100*	3	1	281.5	105	NEMERTEA	Enopla	Hoplonemertea	Tetrastemmatidae	Prostoma
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	3	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	1	81	109	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	5	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	2	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	7	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	1	117	109	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	1	122.5	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	1	122.7	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	2	123	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	1	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	11	142	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	6	142.4	109	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	7	164	109	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	5	167	109	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	3	179	109	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	1	211	109	ARTHROPODA	Insecta	Plecoptera	Perlidae	Acroneuria
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	21	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	5	229	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Pine Ck	OK410300-03-0580C	07/27/99	18283	50	7	100	3	26	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	1.5	111	ANNELIDA	Branchiobdellida			
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	14	111	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	30	111	ARTHROPODA	Crustacea	Decapoda	Astacidae	
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	60	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	2	81	111	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	87.75	111	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Dasyhelea
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	15	90	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	10	92	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	2	94	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	9	95	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	99	111	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	117	111	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	2	122.5	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	6	123	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	128.8	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	2	142	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	142.4	111	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	6	164	111	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	167	111	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	170	111	ARTHROPODA	Insecta	Megaloptera	Sialidae	Scirtes
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	2	179	111	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	187	111	ARTHROPODA	Insecta	Odonata	Gomphidae	Gomphus
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	2	213	111	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	24	228	111	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	3	229	111	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	234	111	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	13	247	111	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	5	8.5	131	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	10	35	131	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	47	90	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	11	92	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	1	94	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	3	95	131	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	1	103	131	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	1	104	131	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	24	122.5	131	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	2	131	131	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	2	140	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Rithrogena
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	6	142	131	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	1	214	131	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	10	218	131	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	4	223	131	ARTHROPODA	Insecta	Trichoptera	Glossosomatidae	Agapetus
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	1	228	131	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Dry Ck	OK410310-01-0070C	02/16/99	17154	25	5	75	3	2	247	131	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	2	9	110	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	26	35	110	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	1	87.6	110	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	2	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	25	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	1	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	1	104	110	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	5	111	110	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	1	117	110	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	9	122.5	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	1	131	110	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	2	142	110	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	2	167	110	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	3	179	110	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	5	198	110	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	5	201	110	ARTHROPODA	Insecta	Plecoptera	Chloroperlidae	Alloperla
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	3	210	110	ARTHROPODA	Insecta	Plecoptera	Perlidae	
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	10	220	110	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	5	223	110	ARTHROPODA	Insecta	Trichoptera	Glossosomatidae	Agapetus
riffle	Dry Ck	OK410310-01-0070C	01/05/00	18156	50	8	40	3	1	258	110	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	2	8.5	120	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	2	35	120	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	2	81	120	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	23	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	1	92	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	7	94	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	2	95	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	1	122.5	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	13	122.7	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	2	123	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	1	128.8	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	13	131	120	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	5	142	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	15	144	120	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Choroterpes

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	1	213	120	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	2	225	120	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	19	228	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	1	229	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Dry Ck	OK410310-01-0070C	07/23/99	18276	25	8	100	3	8	247	120	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	3.7	137	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	3	35	137	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	2	60	137	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	36	90	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	92	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	94	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	2	95	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	2	111	137	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	117	137	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	122.7	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	123	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	142	137	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	164	137	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	167	137	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	11	213	137	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	70	228	137	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	229	137	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Dry Ck	OK410310-01-0070C	07/10/00	19015	25	7	100	3	1	247	137	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	95	90	158	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	3	92	158	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	13	94	158	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	1	95	158	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	3	104	158	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	2	111	158	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	19	122.5	158	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	2	122.7	158	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	1	142	158	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	8	142.4	158	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	1	198	158	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	2	216	158	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Clioperla
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	6	218	158	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	2	70	3	2	220	158	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	1	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	1	87.6	116	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	1	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	19	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	3	94	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	2	95	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	1	99	116	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	3	104	116	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	3	111	116	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	2	117	116	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	1	122.5	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	1	142	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	38	198	116	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	2	218	116	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
riffle	Bolen Ck	OK410310-03-0090G	01/05/00	18155	50	7	60	3	38	220	116	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	1	23.4	147	ARTHROPODA	Acari	Arcarina	Torrenticolidae	Torrenticola
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	3	60	147	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	10	81	147	ARTHROPODA	Insecta	Coleoptera	Psephenidae	Psephenus
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	17	90	147	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	3	92	147	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	4	94	147	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	13	95	147	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	2	111	147	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	1	117	147	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	4	122.5	147	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	1	122.7	147	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	1	131	147	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	4	142.4	147	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	1	164	147	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	1	178	147	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	26	228	147	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	7	229	147	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	1	234	147	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
riffle	Bolen Ck	OK410310-03-0090G	07/23/99	18275	12.5	2	100	3	47	247	147	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	1	16	160	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	1	19	160	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	1	29.1	160	ARTHROPODA	Crustacea	Cladocera		
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	2	71	160	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	2	87.6	160	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	1	88.06	160	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	40	90	160	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	12	92	160	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	22	94	160	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	13	95	160	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	4	111	160	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	2	117	160	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	1	122.5	160	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	1	131	160	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	2	167	160	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	16	228	160	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
riffle	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	5	100	2	39	247	160	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	1	18.2	146	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	1	60	146	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	47	90	146	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	6	92	146	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	1	94	146	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	41	95	146	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	5	104	146	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	5	122.7	146	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	22	127.5	146	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	2	128.8	146	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	2	131	146	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	1	142	146	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	2	151	146	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	1	179	146	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	4	180	146	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	4	229	146	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	7	100	2	1	275	146	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	14	107	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	2	28	107	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	6	60	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	62	107	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	70	107	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	5	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	94	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	20	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	13	104	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	25	122.7	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	123	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	2	131	107	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	2	134	107	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	2	141	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	5	142	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	3	145	107	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	179	107	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	3	180	107	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	192.85	107	ARTHROPODA	Insecta	Odonata	Libellulidae	Miathyria
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	5	198	107	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	2	214	107	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	4	228	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	50	8	80	3	1	243.5	107	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	38	28	112	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	2	31.1	112	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	1	45	112	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	5	54	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	2	60	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	2	62	112	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	1	63	112	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyretes
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	4	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	8	94	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	14	95	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	1	122	112	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	1	127.5	112	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	10	131	112	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	6	141	112	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	2	142	112	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	2	173	112	ARTHROPODA	Insecta	Odonata	Aeshnidae	Basiaeschna
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	2	179	112	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	1	180	112	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	4	228	112	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	2	238	112	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	3	252	112	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Polycentropus
veg	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	100	10	100	3	1	279	112	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	1	29.1	112	ARTHROPODA	Crustacea	Cladocera		
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	2	60	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	67	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	19	92	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	1	94	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	8	95	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	4	104	112	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	6	122.7	112	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	1	143	112	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	1	192.6	112	ARTHROPODA	Insecta	Odonata	Libellulidae	Erythemis
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	1	198	112	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	San Bois Ck	OK220200-04-0010W	02/18/99	17161	25	12	95	3	1	217	112	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	1	10	113	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	1	13	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	1	14	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	3	19	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	3	28	113	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	3	90	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	35	92	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	1	98	113	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	51	104	113	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	1	120	113	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	4	131	113	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	4	198	113	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	1	220	113	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
veg	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	11	75	3	4	267	113	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	1	23	116	ARTHROPODA	Acari	Arcarina		
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	1	28	116	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	8	53.5	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	6	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	2	83	116	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	1	88.06	116	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	34	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	3	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	8	94	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	11	95	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	1	122.7	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	3	127.5	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	1	166.5	116	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Chauliodes
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	1	180	116	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	28	228	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	5	247	116	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	14	100	3	1	279	116	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	2	3.7	110	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	13	110	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	22	35	110	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	37	110	ARTHROPODA	Crustacea	Amphipoda	Gammaridae	Gammarus
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	52	110	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Oreodytes
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	60	110	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	78.6	110	ARTHROPODA	Insecta	Coleoptera	Noteridae	Pronoterus
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	15	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	91	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Diamesinae
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	18	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	2	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	11	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	10	122.5	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	3	122.7	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	2	131	110	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	2	142	110	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	145	110	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	4	198	110	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	4	214	110	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	2	216	110	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Clioperla
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	3	218	110	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	1	234	110	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Longtown Ck	OK220600-01-0070G	02/18/99	17162	75	18	90	3	2	258	110	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	13	99	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	14	99	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	1	28	99	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	1	29.1	99	ARTHROPODA	Crustacea	Cladocera		
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	16	35	99	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	60	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	1	62	99	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	1	70	99	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	4	71	99	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	83	99	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	29	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	1	134	99	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	21	198	99	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	264	99	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Lymnaea
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	2	267	99	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	24	100	3	6	269	99	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	9	28	97	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	30	97	ARTHROPODA	Crustacea	Decapoda	Astacidae	
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	35	97	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	10	83	97	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	13	90	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	5	92	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	94	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	9	95	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	98	97	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	6	104	97	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	16	122.7	97	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	5	131	97	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	141	97	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	8	142	97	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	145	97	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	180	97	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	2	214	97	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	2	220	97	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	220.5	97	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	263.5	97	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Fossaria
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	267	97	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Gaines Ck	OK220600-04-0010F	02/17/99	17159	50	24	95	3	1	279	97	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	2	19	112	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	2	28	112	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	1	54	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	1	87.75	112	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Dasyhelea
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	3	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	23	92	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	74	104	112	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	2	153	112	ARTHROPODA	Insecta	Hemiptera	Corixidae	
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	2	198	112	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	1	218	112	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	5	70	3	1	239	112	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Oecetis
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	29	28	140	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	30	140	ARTHROPODA	Crustacea	Decapoda	Astacidae	
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	4	54	140	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	18	60	140	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	62	140	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	63	140	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyretes
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	87.6	140	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	9	90	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	4	92	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	7	94	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	23	95	140	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	104	140	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	3	127.5	140	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	2	141	140	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	173	140	ARTHROPODA	Insecta	Odonata	Aeshnidae	Basiaeschna
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	3	179	140	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	180	140	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	25	228	140	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	238	140	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	3	247	140	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	277	140	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Eupera
veg	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	6	100	3	1	279	140	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	12	83	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Chaetogaster
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	14	83	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	17.4	83	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Stylaria
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	28	83	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	2	48	83	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	64	83	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyrinus
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	69	83	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	8	90	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	48	92	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	2	94	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	7	95	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	4	104	83	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	3	126.6	83	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	176	83	ARTHROPODA	Insecta	Odonata	Calopterygidae	Calopteryx
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	179	83	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Willow Ck	OK520610-01-0080G	02/19/99	17167	25	7	70	3	1	191	83	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	13	124	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	2	48	124	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	52	124	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Oreodytes
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	8	90	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	32	92	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	19	94	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	21	95	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	101	124	ARTHROPODA	Insecta	Diptera	Psychodidae	Pericoma
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	17	104	124	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	117.5	124	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	3	126.6	124	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	9	131	124	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	3	141	124	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	177	124	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	186	124	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	191	124	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	1	228	124	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Willow Ck	OK520610-01-0080G	01/07/00	18168	50	6	85	3	2	267	124	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	4	28	89	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	1	45	89	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	3	54	89	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	2	78.7	89	ARTHROPODA	Insecta	Coleoptera	Noteridae	Suphisellus
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	3	83	89	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	14	90	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	3	92	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	9	94	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	13	95	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	1	95.5	89	ARTHROPODA	Insecta	Diptera	Culicidae	Anopheles
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	2	110.5	89	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	1	126.6	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	1	128	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	2	128.8	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	6	131	89	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	2	151	89	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	2	177	89	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	7	179	89	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	3	228	89	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	1	234	89	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	8	238	89	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
veg	Willow Ck	OK520610-01-0080G	07/28/99	18262	12.5	12	90	3	1	267	89	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	1	1.5	101	ANNELIDA	Branchiobdellida			
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	15	28	101	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	1	76	101	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	31	90	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	6	92	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	14	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	7	95	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	1	123	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	3	128	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	2	131	101	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	1	141	101	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	1	161	101	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	1	177	101	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	15	228	101	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Willow Ck	OK520610-01-0080G	07/12/00	19032	25	7	100	3	2	238	101	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	23	101	ARTHROPODA	Acari	Arcarina		
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	32	28	101	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	2	30	101	ARTHROPODA	Crustacea	Decapoda	Astacidae	
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	60	101	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	62	101	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	3	90	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	2	92	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	35	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	12	95	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	122.7	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	128.8	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	4	131	101	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	3	141	101	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	179	101	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	267	101	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	15	100	2	1	279	101	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	2	3.7	92	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	19	28	92	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	1	29.6	92	ARTHROPODA	Crustacea	Copepoda	Cyclopidae	Cyclops
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	26	83.6	92	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	3	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	20	92	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	2	94	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	3	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	2	104	92	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	6	131	92	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	2	178	92	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	1	235.5	92	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ochrotrichia
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	1	269	92	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	3	279	92	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Horse Ck	OK121600-03-0160G	01/07/00	17283	25	4	100	2	1	285.5	92	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	39	28	101	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	2	30.1	101	ARTHROPODA	Crustacea	Decapoda	Astacidae	Cambarellus
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	17	35	101	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	1	48	101	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	2	83.6	101	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	1	90	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	11	92	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	2	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	2	95	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	1	134	101	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	1	142.4	101	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	7	145	101	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	1	178	101	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	3	213.5	101	ARTHROPODA	Insecta	Plecoptera	Perlidae	Paragnetina
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	3	218	101	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	6	252	101	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Polycentropus
veg	Little Fivemile Ck	OK121600-07-0120D	01/21/00	17292	25	15	100	3	2	272.5	101	MOLLUSCA	Gastropoda	Architaenioglossa	Viviparidae	Campeloma
veg	Bird Ck	OK121300-03-0010A	02/25/99	17136	25	8	100	5	1	28	91	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Bird Ck	OK121300-03-0010A	02/25/99	17136	25	8	100	5	65	92	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Bird Ck	OK121300-03-0010A	02/25/99	17136	25	8	100	5	1	94	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Bird Ck	OK121300-03-0010A	02/25/99	17136	25	8	100	5	2	95	91	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Bird Ck	OK121300-03-0010A	02/25/99	17136	25	8	100	5	18	104	91	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Bird Ck	OK121300-03-0010A	02/25/99	17136	25	8	100	5	3	122.7	91	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Bird Ck	OK121300-03-0010A	02/25/99	17136	25	8	100	5	1	142	91	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	2	14	99	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	10	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	4	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	70	104	99	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	4	142.4	99	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	1	145	99	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	1	151	99	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	1	177	99	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	1	178	99	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	1	220.5	99	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Bird Ck	OK121300-03-0010A	01/05/00	18324	28	12	100	3	4	279	99	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	1	17	61	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	1	19	61	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	3	60	61	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	1	90	61	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	26	92	61	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	22	104	61	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	5	122.7	61	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	1	218	61	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Buck Ck	OK121400-04-0050C	02/25/99	17134	50	7	100	4	1	228	61	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	13	99	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	18.2	99	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	5	28	99	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	9	35	99	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	3	45	99	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	54	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	8	60	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	6	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	4	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	4	94	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	7	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	104	99	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	9	122.7	99	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	9	131	99	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	142	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	2	143	99	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	170.6	99	ARTHROPODA	Insecta	Neuroptera	Sisyridae	Climacia
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	173	99	ARTHROPODA	Insecta	Odonata	Aeshnidae	Basiaeschna
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	2	179	99	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	3	180	99	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	192.85	99	ARTHROPODA	Insecta	Odonata	Libellulidae	Miathyria
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	3	198	99	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	5	214	99	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	217	99	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	4	218	99	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	4	228	99	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	1	243.5	99	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	50	19	95	3	2	281.5	99	NEMERTEA	Enopla	Hoplonemertea	Tetrastemmatidae	Prostoma
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	13	128	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	17	128	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	2	19	128	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	11	28	128	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	2	35	128	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	45	128	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	2	54	128	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	23	60	128	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	83	128	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	4	90	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	19	92	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	94	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	5	95	128	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	104	128	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	120	128	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	4	131	128	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	2	142	128	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	143	128	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	10	198	128	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	220.5	128	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	16	228	128	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	238	128	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	247	128	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	252	128	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Polycentropus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	267	128	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	269	128	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	1	277	128	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Eupera
veg	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	8	90	2	13	279	128	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	1	35	98	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	19	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	2	91	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Diamesinae
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	14	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	1	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	43	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	4	122.7	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	1	217	98	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	12	218	98	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Peaceable Ck	OK220600-03-0050M	02/17/99	17157	50	9	90	3	1	220.5	98	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	1	3.7	108	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	1	19	108	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	1	28	108	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	3	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	25	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	74	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	1	122.7	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	1	269	108	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
veg	Peaceable Ck	OK220600-03-0050M	01/12/00	18148	100	5	75	3	1	275	108	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	2	60	181	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	22	90	181	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	4	92	181	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	18	95	181	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	66	104	181	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	10	123	181	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	3	127.5	181	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	1	151	181	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	54	228	181	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	10	100	3	1	247	181	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	1	12	130	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Chaetogaster
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	2	14	130	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	1	28	130	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	1	76	130	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	33	90	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	49	92	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	2	94	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	2	95	130	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	17	104	130	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	3	126.6	130	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	17	131	130	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	1	228	130	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Glasses Ck	OK310800-01-0020M	02/07/99	17177	50	9	100	3	1	267	130	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	25	28	110	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	6	48	110	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	1	87.5	110	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	5	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	26	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	12	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	2	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	28	104	110	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	1	120	110	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	1	126.6	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	2	131	110	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Glasses Ck	OK310800-01-0020M	01/06/00	18161	100	10	100*	3	1	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	4	28	110	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	54	110	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	58	110	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	3	60	110	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	14	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	25	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	7	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	11	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	17	104	110	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	6	122.5	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	11	126.6	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	2	131	110	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	151	110	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	192.6	110	ARTHROPODA	Insecta	Odonata	Libellulidae	Erythemis
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	2	214	110	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	234	110	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	247	110	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	5	75	3	1	269	110	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	4	28	121	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	30	121	ARTHROPODA	Crustacea	Decapoda	Astacidae	
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	5	58	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	13	60	121	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	83	121	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	22	90	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	94	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	2	95	121	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	101.2	121	ARTHROPODA	Insecta	Diptera	Psychodidae	Psychoda
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	8	104	121	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	5	123	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	4	126.6	121	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	2	131	121	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	2	141	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	142	121	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	142.4	121	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	12	151	121	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	167	121	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	30	228	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	1	229	121	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	8	95	3	4	247	121	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	2	10	99	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	1	13	99	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	1	14	99	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	1	28	99	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	2	29.5	99	ARTHROPODA	Crustacea	Copepoda		
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	2	48	99	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	1	78.6	99	ARTHROPODA	Insecta	Coleoptera	Noteridae	Pronoterus
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	3	87.6	99	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	4	87.75	99	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Dasyhelea
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	3	90	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	38	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	9	94	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	13	95	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	1	110.5	99	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	11	131	99	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	1	180	99	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	3	198	99	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	1	205	99	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
veg	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	12	95	3	2	218	99	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	10	92	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	14	92	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	28	92	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	46.1	92	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Acilius
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	48.1	92	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Coptotomus
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	54	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	58	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	65.1	92	ARTHROPODA	Insecta	Coleoptera	Haliplidae	Haliplus
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	4	66	92	ARTHROPODA	Insecta	Coleoptera	Haliplidae	Peltodytes
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	5	70	92	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	3	76	92	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	7	83.7	92	ARTHROPODA	Insecta	Collembola	Poduridae	Podura
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	2	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	23	92	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	2	94	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	6	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	5	104	92	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	10	123	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	124	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Callibaetis
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	3	131	92	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	158.5	92	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	1	178	92	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	4	198	92	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	2	214	92	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	10	100	3	5	267	92	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	2	9	114	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	2	28	114	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	1	70	114	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	2	78.7	114	ARTHROPODA	Insecta	Coleoptera	Noteridae	Suphisellus
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	5	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	14	92	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	1	93	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	4	94	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	34	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	4	122.5	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	5	126.6	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	26	131	114	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	2	142	114	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	2	155.7	114	ARTHROPODA	Insecta	Hemiptera	Hebridae	Hebrus
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	1	173	114	ARTHROPODA	Insecta	Odonata	Aeshnidae	Basiaeschna
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	1	179	114	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	1	198	114	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	3	214	114	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	1	217	114	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	1	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Chigley Sandy Ck	OK310800-02-0190K	01/06/00	18164	100	6	65	3	2	267	114	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	18.2	100	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	18	28	100	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	4	31.1	100	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	2	54	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	3	60	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	70	100	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	78.7	100	ARTHROPODA	Insecta	Coleoptera	Noteridae	Suphisellus
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	83.5	100	ARTHROPODA	Insecta	Collembola		
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	11	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	94	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	30	95	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	95.5	100	ARTHROPODA	Insecta	Diptera	Culicidae	Anopheles
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	126.6	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	4	128	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	9	131	100	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	11	179	100	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	50	11	60	3	1	228	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	28	94	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	26	35	94	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	87.6	94	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	11	90	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	92	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	3	94	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	2	95	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	104	94	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	2	120	94	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	122.7	94	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	142	94	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	3	214	94	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	39	218	94	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	228	94	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	16	90	3	1	234	94	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	5	28	120	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	31	35	120	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	10	60	120	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	4	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	1	92	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	6	94	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	2	95	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	37	104	120	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	4	120	120	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	4	131	120	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	1	198	120	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	6	218	120	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	4	228	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	2	243	120	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Limnephilus
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	1	247	120	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Dumpling Ck	OK410300-03-0210C	01/05/00	18157	100	7	70	3	2	258	120	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	3	28	108	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	1	35	108	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	1	49.5	108	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Copelatus
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	3	60	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	1	76	108	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	9	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	13	94	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	6	95	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	2	120	108	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	6	122.7	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	2	123	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	10	141	108	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	2	142	108	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	1	151	108	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	25	228	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	50	13	90	3	23	247	108	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	1	23	122	ARTHROPODA	Acari	Arcarina		
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	25	28	122	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	1	60	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	1	62	122	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	2	90	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	4	92	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	9	94	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	16	95	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	3	120	122	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	30	122.7	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	2	123	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	2	125	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Centroptilum
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	3	127.5	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	2	131	122	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	15	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	2	234	122	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	2	247	122	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	1	269	122	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
veg	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	7	100	3	1	275	122	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	18.2	84	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	19	84	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	16	28	84	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	4	45	84	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	2	60	84	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	12	90	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	92	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	94	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	11	95	84	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	3	104	84	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	3	122.7	84	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	4	131	84	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	141	84	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	2	147	84	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	198	84	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	12	218	84	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	4	228	84	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	2	247	84	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	258	84	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
veg	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	25	28	95	3	1	279	84	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	25	5	50	3	1	30	106	ARTHROPODA	Crustacea	Decapoda	Astacidae	
veg	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	25	5	50	3	104	104	106	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Tenmile Ck	OK410300-03-0270M	01/05/00	18158	25	5	50	3	1	279	106	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	5	14	137	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	2	17	137	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	2	28	137	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	3	54	137	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	70	137	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	88.05	137	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Palpomyia
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	5	90	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	38	92	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	22	94	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	6	95	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	101.4	137	ARTHROPODA	Insecta	Diptera	Ptychopteridae	Ptychoptera
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	2	120	137	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	5	122.7	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	125	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Centroptilum
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	6	126.6	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	17	131	137	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	2	142	137	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	177	137	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	4	178	137	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	4	186	137	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	217	137	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	6	228	137	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	247	137	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Eastman Ck	OK410700-00-0230D	02/07/99	17179	25	11	100	3	1	267	137	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	2	28	98	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	1	48	98	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	1	54	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	6	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	17	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	35	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	17	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	1	96.1	98	ARTHROPODA	Insecta	Diptera	Dolichopodidae	Hydrophorus
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	1	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	2	117.5	98	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	3	126.6	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	2	131	98	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	1	142	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Eastman Ck	OK410700-00-0230D	01/06/00	18160	100	10	80	3	9	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	10	92	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	28	92	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	45	92	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	54	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	60	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	78.7	92	ARTHROPODA	Insecta	Coleoptera	Noteridae	Suphisellus
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	8	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	92	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	5	94	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	7	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	108	92	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Odontomyia
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	112	92	ARTHROPODA	Insecta	Diptera	Tipulidae	
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	2	128	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	21	131	92	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	142	92	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	6	151	92	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	152.6	92	ARTHROPODA	Insecta	Hemiptera	Belostomatidae	Lethocerus
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	2	159	92	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	161	92	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	173	92	ARTHROPODA	Insecta	Odonata	Aeshnidae	Basiaeschna
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	2	177	92	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	178	92	ARTHROPODA	Insecta	Odonata	Coenagrionidae	
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	11	180	92	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	184.1	92	ARTHROPODA	Insecta	Odonata	Gomphidae	Arigomphus
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	4	186	92	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	2	191	92	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	1	192.8	92	ARTHROPODA	Insecta	Odonata	Libellulidae	Libellula
veg	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	9	100	3	6	228	92	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	17	110	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	68	28	110	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	88.06	110	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	13	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	4	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	8	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	5	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	2	124	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Callibaetis
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	1	177	110	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	5	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	5	100	3	2	267	110	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	1	66	119	ARTHROPODA	Insecta	Coleoptera	Haliplidae	Peltodytes
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	2	70	119	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	4	88.05	119	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Palpomyia
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	2	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	17	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	3	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	12	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	6	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	1	126.6	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	64	131	119	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	6	180	119	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Julian Ck	OK520600-02-0170B	02/19/99	17166	50	15	100	3	1	267	119	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	2	28	142	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	1	45	142	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	1	70	142	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	1	87.75	142	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Dasyhelea
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	18	90	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	22	92	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	1	94	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	8	95	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	47	104	142	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	35	131	142	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	1	153	142	ARTHROPODA	Insecta	Hemiptera	Corixidae	
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	4	191	142	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
veg	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	4	80	3	1	201	142	ARTHROPODA	Insecta	Plecoptera	Chloroperlidae	Alloperla
veg	Julian Ck	OK520600-02-0170B	07/28/99	18263	12.5	3	75	3	71	90	134	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Julian Ck	OK520600-02-0170B	07/28/99	18263	12.5	3	75	3	9	94	134	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Julian Ck	OK520600-02-0170B	07/28/99	18263	12.5	3	75	3	23	95	134	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Julian Ck	OK520600-02-0170B	07/28/99	18263	12.5	3	75	3	5	128	134	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Julian Ck	OK520600-02-0170B	07/28/99	18263	12.5	3	75	3	13	131	134	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Julian Ck	OK520600-02-0170B	07/28/99	18263	12.5	3	75	3	11	179	134	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Julian Ck	OK520600-02-0170B	07/28/99	18263	12.5	3	75	3	2	191	134	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	2	70	139	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	1	76	139	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	38	90	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	6	92	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	6	94	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	57	95	139	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	1	117.5	139	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	2	128	139	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	6	131	139	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	1	168	139	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Nigronia
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	4	177	139	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	1	179	139	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	1	191	139	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	12	228	139	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Julian Ck	OK520600-02-0170B	07/12/00	19033	50	5	100	3	1	267	139	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	1	10	81	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	2	13	81	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	9	14	81	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	1	52	81	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Oreodytes
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	1	87.6	81	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	18	90	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	7	92	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	11	94	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	17	95	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	4	104	81	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	3	131	81	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	2	138	81	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Heptagenia
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	1	180	81	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	3	217	81	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
veg	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	23	80	3	1	218	81	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	7	28	118	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	1	54	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	1	61	118	ARTHROPODA	Insecta	Coleoptera	Gyrinidae (A)	
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	2	70	118	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	2	76	118	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	1	87.6	118	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	5	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	5	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	19	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	13	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	1	122.5	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	2	122.7	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	1	123	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	4	126.6	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	7	128	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	1	128.8	118	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	8	131	118	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	16	151	118	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	1	179	118	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	2	191	118	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	17	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	6	60	3	2	234	118	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	2	14	124	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	18.2	124	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	19	124	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	58	124	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	4	60	124	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	70	124	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	5	90	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	48	92	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	11	94	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	95	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	29	104	124	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	115.7	124	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	6	122.7	124	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	5	126.6	124	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	2	131	124	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	2	141	124	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	2	142	124	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	186	124	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
veg	Elm Ck	OK520810-00-0100C	02/19/99	17169	50	19	100	3	1	228	124	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	3	19	109	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	3	28	109	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	3	54	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	3	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	4	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	35	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	18	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	7	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	99	109	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	99.65	109	ARTHROPODA	Insecta	Diptera	Ephydridae	Hydrellia
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	111	109	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	9	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	152.8	109	ARTHROPODA	Insecta	Hemiptera	Cicadellidae	
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	164	109	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	5	177	109	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	3	179	109	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	2	186	109	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	229	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	251.3	109	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Nyctiophylax
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	1	267	109	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Elm Ck	OK520810-00-0100C	01/07/00	18169	50	7	60	3	4	275	109	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	1	18.2	103	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	7	54	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	2	58	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	12	60	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	1	88.06	103	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	5	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	3	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	3	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	1	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	1	126.6	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	1	128	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	3	131	103	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	30	151	103	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	1	177	103	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	2	180	103	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	22	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	1	229	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	6	100	3	7	234	103	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	1	18.2	81	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	15	28	81	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	4	54	81	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	7	87.6	81	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	10	90	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	2	94	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	2	95	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	4	131	81	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	1	142	81	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	21	151	81	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	1	177	81	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	1	179	81	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	2	180	81	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	1	234	81	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Elm Ck	OK520810-00-0100C	07/18/00	19001	100	28	100*	4	9	267	81	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	9	28	117	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	71	117	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	87.6	117	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	59	90	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	3	92	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	93	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	6	94	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	7	95	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	3	104	117	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	8	124	117	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Callibaetis
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	126.6	117	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	3	131	117	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	11	180	117	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	228	117	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	238	117	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	267	117	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
veg	Lagoon Ck	OK620900-01-0180J	07/11/00	19237	100	13	100	4	1	279	117	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	6	28	109	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	1	52	109	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Oreodytes
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	1	62	109	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	1	78.6	109	ARTHROPODA	Insecta	Coleoptera	Noteridae	Pronoterus
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	70	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	3	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	1	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	21	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	1	173	109	ARTHROPODA	Insecta	Odonata	Aeshnidae	Basiaeschna
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	3	180	109	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Hominy Ck: Downstream	OK121300-04-0280M	02/23/99	17127	50	7	100	5	1	205	109	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	10	102	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	35	28	102	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	2	83	102	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	94	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	95	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	5	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	6	122.7	102	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	12	126.6	102	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	11	131	102	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	142	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	2	180	102	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	21	220.5	102	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	228	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	247	102	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Hominy Ck: Upstream	OK121300-04-0280R	01/04/00	18313	100	15	100	3	1	258	102	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	3	14	89	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	2	19	89	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	7	28	89	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	52	89	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Oreodytes
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	54	89	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	4	90	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	44	92	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	3	94	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	2	104	89	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	3	122.7	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	126.6	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	6	131	89	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	142	89	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	7	144	89	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Choroterpes
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	210	89	ARTHROPODA	Insecta	Plecoptera	Perlidae	
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	243.5	89	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	248.2	89	ARTHROPODA	Insecta	Trichoptera	Phryganeidae	Ptilostomis
veg	Sand Ck	OK121400-04-0010T	02/24/99	17132	50	24	100	5	1	279	89	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	8	28	103	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	58	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	2	60	103	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	3	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	10	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	104	103	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	3	122.7	103	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	2	141	103	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	142	103	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	143	103	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	61	151	103	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	177	103	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	180	103	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	2	225	103	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	2	229	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	235	103	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ithytrichia
veg	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	13	100	3	1	238	103	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	4	28	108	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	30	108	ARTHROPODA	Crustacea	Decapoda	Astacidae	
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	4	60	108	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	3	83.6	108	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	5	122.5	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	4	122.7	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	6	123	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	6	131	108	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	49	133	108	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	15	134	108	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	142.4	108	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	158.5	108	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	176	108	ARTHROPODA	Insecta	Odonata	Calopterygidae	Calopteryx
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	188.5	108	ARTHROPODA	Insecta	Odonata	Gomphidae	Lanthus
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	2	207	108	ARTHROPODA	Insecta	Plecoptera	Nemouridae	Amphinemura
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	2	218	108	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	228	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Saline Ck	OK121600-02-0030D	02/16/99	17105	25	4	100	3	1	243.5	108	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	3	28	92	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	2	35	92	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	2	71	92	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	1	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	4	92	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	3	94	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	3	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	55	104	92	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	11	122.7	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	4	123	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	2	125	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Centroptilum
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	1	158.5	92	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
veg	Drowning Ck	OK121600-03-0090G	08/04/99	14486	50	5	100	3	1	285.5	92	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	1	3.7	114	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	5	28	114	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	31	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	12	92	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	6	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	4	104	114	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	3	122.5	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	7	131	114	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	2	142	114	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	1	180	114	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	1	205	114	ARTHROPODA	Insecta	Plecoptera	Leuctridae	Zealeuctra
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	3	214	114	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	34	218	114	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	1	220	114	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
veg	Brushy Ck	OK220600-03-0010T	02/17/99	17156	50	14	80	3	3	220.5	114	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Brushy Ck	OK220600-03-0010T	01/12/00	18147	25	4	40	3	6	92	142	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Brushy Ck	OK220600-03-0010T	01/12/00	18147	25	4	40	3	132	104	142	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Brushy Ck	OK220600-03-0010T	01/12/00	18147	25	4	40	3	1	218	142	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
veg	Brushy Ck	OK220600-03-0010T	01/12/00	18147	25	4	40	3	2	220	142	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
veg	Brushy Ck	OK220600-03-0010T	01/12/00	18147	25	4	40	3	1	220.5	142	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	1	54	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	1	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	1	71	119	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	1	76	119	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	4	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	2	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	21	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	49	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Brushy Ck	OK220600-03-0010T	07/23/99	18274	50	5	100	3	39	229	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	28	100*	3	11	103	54	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
veg	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	28	100*	3	35	104	54	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	28	100*	3	6	220	54	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
veg	Pine Ck	OK410300-03-0580C	01/05/00	18159	100	28	100*	3	2	220.5	54	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	60	110	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	8	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	9	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	2	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	8	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	104	110	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	4	122.5	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	5	122.7	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	3	123	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	142.4	110	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	179	110	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	27	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	29	229	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	10	247	110	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Pine Ck	OK410300-03-0580C	07/19/00	19030	100	10	100	3	1	275	110	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	5	8.5	113	ANNELIDA	Oligochaeta	Haplotaxida	Glossoscolecidae	Sparganophilus
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	1	14	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	2	35	113	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	3	58	113	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	2	60	113	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	1	76	113	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	13	90	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	5	92	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	15	94	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	3	95	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	2	99	113	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	1	111	113	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	1	117	113	ARTHROPODA	Insecta	Diptera	Tipulidae	Hexatoma
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	1	120	113	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	5	122.5	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	4	122.7	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	1	123	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	1	128.8	113	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	2	167	113	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	37	228	113	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	5	229	113	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
veg	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	11	100	3	3	247	113	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	1	10	107	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	25	90	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	37	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	2	94	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	28	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	1	104	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	3	122.5	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	1	131	107	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	2	147	107	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	1	216	107	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Clioperla
veg	Bolen Ck	OK410310-03-0090G	02/17/99	17155	50	8	90	3	6	234	107	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	1	16	122	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	9	58	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	1	60	122	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	3	76	122	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	1	87.5	122	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	2	87.6	122	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	9	90	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	2	92	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	36	94	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	18	95	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	1	99	122	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	8	111	122	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	5	131	122	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	1	167	122	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	1	179	122	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	8	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	1	234	122	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
veg	Bolen Ck	OK410310-03-0090G	07/10/00	19014	100	11	100	3	15	247	122	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	1	28	119	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	62	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	6	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	5	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	1	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	1	98	119	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	23	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	1	107.8	119	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Nemotelus
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	1	122.5	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	2	122.7	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	2	134	119	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	2	141	119	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	7	142	119	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	1	142.4	119	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	3	214	119	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	03/03/99	17115	75	21	100	5	1	217	119	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	1	28	118	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	1	70	118	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	1	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	24	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	1	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	8	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	73	104	118	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	7	220.5	118	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	1	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	01/20/00	18145	100	6	100	3	1	243	118	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Limnephilus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	28	144	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	63	144	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyretes
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	78.3	144	ARTHROPODA	Insecta	Coleoptera	Lutrochidae	Lutrochus
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	15	90	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	24	92	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	93	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	94	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	85	95	144	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	3	104	144	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	122.7	144	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	128.8	144	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	4	131	144	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	1	142	144	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	3	151	144	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/11/00	19019	100	12	100	5	2	234	144	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	1	53.5	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	2	54	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	2	57	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	6	60	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	24	90	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	2	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	2	94	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	10	95	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	2	141	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	6	142	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	5	151	102	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	1	167	102	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	7	228	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Brazil Ck: LeFlore Co.	OK220100-03-0010G	07/26/99	19212	100	4	90	3	32	229	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	5	19	95	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	35	95	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	70	95	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	17	90	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	3	92	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	94	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	14	95	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	11	104	95	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	2	122.5	95	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	9	122.7	95	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	2	131	95	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	134	95	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	2	141	95	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	11	142	95	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	145	95	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	198	95	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	5	214	95	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	2	217	95	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	218	95	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	2	220.5	95	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	1	228	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	02/17/99	17556	100	15	100	3	2	243.5	95	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	1	19	96	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	1	45	96	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	1	58	96	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	4	60	96	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	5	90	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	14	92	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	2	94	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	13	104	96	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	1	117.5	96	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	3	167	96	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	1	179	96	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	5	198	96	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	3	220.5	96	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	39	228	96	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	01/12/00	18149	100	19	50	3	3	229	96	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	1	28	112	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	1	58	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	5	60	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	1	83.2	112	ARTHROPODA	Insecta	Coleoptera	Staphylinidae	
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	2	88.06	112	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	17	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	5	92	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	2	93	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	4	94	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	50	95	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	1	167	112	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	07/10/00	19018	50	12	100	5	23	228	112	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	1	45	82	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	17	60	82	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	1	83.2	82	ARTHROPODA	Insecta	Coleoptera	Staphylinidae	
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	15	90	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	7	94	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	26	95	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	2	142	82	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	1	167	82	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	1	179	82	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	7	228	82	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	2	247	82	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Brazil Ck: Latimer Co.	OK220100-03-0010T	08/02/99	20342	50	11	90	3	2	251.3	82	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Nyctiophylax
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	29.1	83	ARTHROPODA	Crustacea	Cladocera		
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	60	83	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	2	90	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	91	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Diamesinae
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	21	92	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	3	95	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	28	104	83	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	7	122.5	83	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	122.7	83	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	2	131	83	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	142	83	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	10	213	83	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	218	83	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	2	220	83	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	220.5	83	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
wood	San Bois Ck	OK220200-04-0010W	02/18/99	17161	50	28	100	3	1	267	83	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	2	28	94	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	35	94	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	53.5	94	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	2	87.75	94	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Dasyhelea
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	13	90	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	19	92	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	94	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	95	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	42	104	94	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	2	131	94	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	155.7	94	ARTHROPODA	Insecta	Hemiptera	Hebridae	Hebrus
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	3	198	94	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	220	94	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	263.5	94	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Fossaria
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	1	264	94	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Lymnaea
wood	San Bois Ck	OK220200-04-0010W	01/12/00	18152	100	12	90	2	3	267	94	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	1	3.7	119	ANNELIDA	Hirudinea	Pharyngobdellida	Erpobdellidae	Mooreobdella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	2	28	119	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	1	53.5	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	11	60	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	46	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	4	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	6	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	17	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	1	123	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	2	125	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Centroptilum
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	27	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	San Bois Ck	OK220200-04-0010W	07/11/00	19021	100	5	90	5	1	247	119	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	1	28	55	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	1	47	55	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabinus
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	1	83.6	55	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	3	90	55	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	4	92	55	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	2	94	55	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	1	95	55	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	5	122.5	55	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	20	142	55	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	9	198	55	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	2	214	55	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	2	218	55	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	2	220	55	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	1	223	55	ARTHROPODA	Insecta	Trichoptera	Glossosomatidae	Agapetus
wood	Longtown Ck	OK220600-01-0070G	02/18/99	17162	100	28	100	3	1	267	55	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	10	96	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	5	13	96	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	3	14	96	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	29.1	96	ARTHROPODA	Crustacea	Cladocera		
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	4	35	96	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	43.5	96	ARTHROPODA	Insecta	Coleoptera	Curculionidae	
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	71	96	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	83	96	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	41	90	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	25	92	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	95	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	109.5	96	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Stratiomys
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	10	198	96	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Longtown Ck	OK220600-01-0070G	01/12/00	18153	100	28	95	3	1	220	96	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	9	92	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	19	92	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	35	92	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	70	92	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	23	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	2	92	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	10	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	3	104	92	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	4	122.7	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	131	92	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	11	141	92	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	22	142	92	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	174	92	ARTHROPODA	Insecta	Odonata	Aeshnidae	Nasiaeschna
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	5	214	92	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	218	92	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	220	92	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	2	220.5	92	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	243.5	92	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
wood	Gaines Ck	OK220600-04-0010F	02/17/99	17159	100	17	80	3	1	279	92	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	1	4.1	116	ANNELIDA	Hirudinea	Rhynchobdellida	Glossiphoniidae	Helobdella
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	1	16	116	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Pristina
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	1	19	116	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	2	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	4	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	15	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	85	104	116	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	1	143	116	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	1	174	116	ARTHROPODA	Insecta	Odonata	Aeshnidae	Nasiaeschna
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	2	198	116	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	2	228	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Gaines Ck	OK220600-04-0010F	01/20/00	18146	100	7	85	3	1	275	116	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	16	60	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	1	62	114	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	1	63	114	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyretes
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	27	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	6	92	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	1	93	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	7	94	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	33	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	2	104	114	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	1	127.5	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	1	141	114	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	1	180	114	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	16	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Gaines Ck	OK220600-04-0010F	07/10/00	19017	100	21	95	5	1	247	114	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	2	12	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Chaetogaster
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	1	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	36	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	3	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	8	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	12	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	1	122.5	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	2	122.7	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	6	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	6	141	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	28	142	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	3	214	109	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Beaver Ck	OK220600-04-0030G	02/17/99	17158	50	25	95	3	1	243.5	109	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	2	19	104	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	3	60	104	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	5	90	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	88	104	104	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	1	145	104	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	2	198	104	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	1	267	104	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Beaver Ck	OK220600-04-0030G	01/12/00	18150	50	8	100*	5*	2	279	104	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	29	60	106	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	1	62	106	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	1	83.6	106	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	32	90	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	6	92	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	11	94	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	5	95	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	3	104	106	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	1	127.5	106	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	1	141	106	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	1	180	106	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	11	228	106	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	3	251.3	106	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Nyctiophylax
wood	Beaver Ck	OK220600-04-0030G	07/10/00	19016	100	22	100	5	1	267	106	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	6	14	106	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	1	48	106	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	3	90	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	74	92	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	3	95	106	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	8	104	106	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	4	126.6	106	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	1	131	106	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	1	180	106	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	4	191	106	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
wood	Willow Ck	OK520610-01-0080G	02/19/99	17167	50	11	85	3	1	243.5	106	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	2	48	109	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	7	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	43	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	4	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	9	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	28	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	1	107.5	109	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Euparyphus
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	3	126.6	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	1	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	8	141	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	1	153	109	ARTHROPODA	Insecta	Hemiptera	Corixidae	
wood	Willow Ck	OK520610-01-0080G	01/07/00	18168	25	5	90	3	2	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	3	83	98	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	83.2	98	ARTHROPODA	Insecta	Coleoptera	Staphylinidae	
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	84	98	ARTHROPODA	Insecta	Diptera		
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	32	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	18	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	11	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	99	98	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	2	110.5	98	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	128	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	128.8	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	3	131	98	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	136.1	98	ARTHROPODA	Insecta	Ephemeroptera	Ephemeridae	Hexagenia
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	8	141	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	142.4	98	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	158.5	98	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	4	179	98	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	7	238	98	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Nectopsyche
wood	Willow Ck	OK520610-01-0080G	07/28/99	18262	25	12	85	3	1	250	98	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Cyrnellus
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	1	83	122	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	85	90	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	4	92	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	13	94	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	10	95	122	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	1	122.7	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	1	123	122	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	3	141	122	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Willow Ck	OK520610-01-0080G	07/12/00	19032	100	5	100	5	4	228	122	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	50	10	100	3	3	14	95	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	50	10	100	3	4	90	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	50	10	100	3	82	92	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	50	10	100	3	2	94	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	50	10	100	3	3	131	95	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Deep Fork: Eastern	OK520710-02-0060G	02/09/99	17170	50	10	100	3	1	179	95	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	100	12	100	2	3	90	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	100	12	100	2	91	92	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	100	12	100	2	1	94	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	100	12	100	2	1	131	97	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Deep Fork: Eastern	OK520710-02-0060G	01/18/00	18128	100	12	100	2	1	267	97	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	1	19	98	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	47	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	5	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	20	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	3	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	2	124	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Callibaetis
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	4	131	98	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	2	151	98	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	2	164	98	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	2	167	98	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	1	177	98	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	5	180	98	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	3	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Deep Fork: Eastern	OK520710-02-0060G	08/03/99	20344	50	12	90	3	1	267	98	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	1	19	83	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	2	60	83	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	1	63	83	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyretes
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	27	90	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	27	94	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	5	95	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	2	122.7	83	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	1	128.8	83	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	1	141	83	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	6	142	83	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	9	228	83	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Rabb Ck	OK121400-01-0090D	07/18/00	21460	100	28	100	5	1	229	83	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	2	28	88	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	1	33.5	88	ARTHROPODA	Crustacea	Isopoda		
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	4	71	88	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	1	75	88	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	2	87.75	88	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Dasyhelea
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	28	90	88	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	5	92	88	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	4	94	88	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	17	95	88	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	1	99.65	88	ARTHROPODA	Insecta	Diptera	Ephydridae	Hydrellia
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	2	111	88	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	2	122.7	88	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	2	131	88	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	12	228	88	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	3	234	88	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	1	247	88	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Hogshooter Ck	OK121400-01-0300J	07/18/00	21461	100	18	100	5	1	267	88	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	13	90	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	105	92	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	1	94	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	1	95	137	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	2	104	137	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	3	126.6	137	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	11	131	137	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Lightning Ck	OK121510-01-0130M	02/22/99	17118	100	7	100	5	1	279	137	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	1	10	103	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	1	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	75	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	8	104	103	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	3	131	103	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	2	198	103	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	11	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Lightning Ck	OK121510-01-0130M	01/13/00	17286	100	14	100	4	2	258	103	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	1	10	88	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	2	44	88	ARTHROPODA	Insecta	Coleoptera	Dryopidae	
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	1	51.2	88	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Neobidessus
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	1	83.6	88	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	36	92	88	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	1	94	88	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	9	96.1	88	ARTHROPODA	Insecta	Diptera	Dolichopodidae	Hydrophorus
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	33	104	88	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	2	198	88	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Big Ck	OK121510-03-0010G	01/13/00	17287	25	10	100	5	2	258	88	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	1	13	145	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	5	14	145	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	1	17.4	145	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Stylaria
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	6	90	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	106	92	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	3	94	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	16	95	145	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	1	122.5	145	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	1	122.7	145	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	1	142	145	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	2	219.5	145	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Oemopteryx
wood	Fourteenmile Ck	OK121600-01-0100C	01/10/00	18255	50	3	100	5*	2	228	145	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	2	60	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	1	87.5	98	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	13	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	19	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	1	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	6	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	1	98	98	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	44	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	1	122.5	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	4	123	98	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Fourteenmile Ck	OK121600-01-0100C	07/20/00	19236	25	6	100*	3	6	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	28	35	87	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	1	44	87	ARTHROPODA	Insecta	Coleoptera	Dryopidae	
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	6	83	87	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	19	83.6	87	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	3	90	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	23	92	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	1	95	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	2	104	87	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Little Horse Ck	OK121600-03-0190A	01/07/00	17284	100	28	100	3.5	4	258	87	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	7	35	113	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	2	83	113	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	1	90	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	8	92	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	1	94	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	2	95	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	3	96.1	113	ARTHROPODA	Insecta	Diptera	Dolichopodidae	Hydrophorus
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	88	104	113	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Hudson Ck	OK121600-04-0040G	01/07/00	17285	50	6	100	4	1	161	113	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	
wood	Cow Ck	OK121600-04-0130G	01/21/00	17289	12.5	1	100	5*	1	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Cow Ck	OK121600-04-0130G	01/21/00	17289	12.5	1	100	5*	2	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Cow Ck	OK121600-04-0130G	01/21/00	17289	12.5	1	100	5*	115	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Cow Ck	OK121600-04-0130G	01/21/00	17289	12.5	1	100	5*	1	267	119	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	12.5	5	80	5	1	35	118	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	12.5	5	80	5	1	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	12.5	5	80	5	3	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Fourmile Ck	OK121600-04-0170G	01/21/00	17290	12.5	5	80	5	113	104	118	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	4	10	113	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	8	13	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	16	14	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	3	17.4	113	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Stylaria
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	5	19	113	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	1	83.6	113	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	48	90	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	18	92	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	2	94	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	4	95	113	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	2	267	113	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	1	269	113	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
wood	Bull Ck	OK121600-06-0200G	02/22/99	17123	100	11	100	5	1	285.5	113	PLATYHELMINTHES	Turbellaria	Tricladida	Planariidae	Dugesia
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	10	83	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	2	13	83	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	19	83	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	2	35	83	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	60	83	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	23	83	83	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	83.6	83	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	18	90	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	21	92	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	2	94	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	3	95	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	96.1	83	ARTHROPODA	Insecta	Diptera	Dolichopodidae	Hydrophorus
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	4	104	83	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	111	83	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	122.7	83	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Bull Ck	OK121600-06-0200G	01/05/00	17276	50	27	100	4	1	147	83	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Paraleptophlebia
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	1	10	43	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	1	35	43	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	4	83	43	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	23	92	43	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	1	94	43	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	1	95	43	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	1	96.1	43	ARTHROPODA	Insecta	Diptera	Dolichopodidae	Hydrophorus
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	1	155.8	43	ARTHROPODA	Insecta	Hemiptera	Hebridae	Merragata
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	1	161	43	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	5	198	43	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	PawPaw Ck	OK121600-06-0240G	01/05/00	17277	100*	7*	100	5	4	258	43	ARTHROPODA	Insecta	Trichoptera	Rhyacophilidae	Rhyacophila
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	14	35	98	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	4	53.5	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	2	57	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	2	58	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	5	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	42	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	1	93	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	3	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	5	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	2	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	2	142	98	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	2	142.4	98	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	2	211	98	ARTHROPODA	Insecta	Plecoptera	Perlidae	Acroneuria
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	1	214	98	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	1	218	98	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	1	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	8	229	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Fivemile Ck	OK121600-07-0110G	01/21/00	17291	50	11	100	4	1	256	98	ARTHROPODA	Insecta	Trichoptera	Psychomyiidae	Psychomyia
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	1	13	94	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Dero
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	10	19	94	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	2	28	94	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	2	29.6	94	ARTHROPODA	Crustacea	Copepoda	Cyclopidae	Cyclops
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	1	51.2	94	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Neobidessus
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	6	83	94	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	1	83.6	94	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	4	90	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	54	92	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	2	95	94	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	5	122.5	94	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	1	122.7	94	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	3	131	94	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	1	153	94	ARTHROPODA	Insecta	Hemiptera	Corixidae	
wood	Pryor Ck	OK121610-00-0090N	01/10/00	18252	100*	24	100	3	1	155.7	94	ARTHROPODA	Insecta	Hemiptera	Hebridae	Hebrus
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	38	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	2	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	11	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	37	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	2	122.7	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	2	127.5	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	10	128.8	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	3	131	110	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	1	141	110	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	2	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Pryor Ck	OK121610-00-0090N	07/10/00	19055	100	6	100	3	2	234	110	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	1	60	82	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	27	90	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	2	92	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	22	94	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	12	95	82	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	8	104	82	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	1	122.7	82	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	2	128.8	82	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	1	142	82	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	4	228	82	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Candy Ck: Site # 1	OK121300-02-0080G	07/13/00	21449	100	18	100	3	2	229	82	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	1	60	123	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	18	90	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	1	92	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	1	94	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	17	95	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	1	104	123	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	1	142	123	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	1	164	123	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	22	228	123	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Bird Ck	OK121300-03-0010A	07/13/00	21450	50	5	100	5*	60	229	123	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	3	58	104	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	2	60	104	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	14	90	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	13	94	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	14	95	104	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	2	99	104	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	1	99.65	104	ARTHROPODA	Insecta	Diptera	Ephydridae	Hydrellia
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	1	104	104	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	9	123	104	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	1	141	104	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	29	142	104	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	1	142.4	104	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	4	151	104	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	1	181	104	ARTHROPODA	Insecta	Odonata	Corduliidae	
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	2	225	104	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	4	228	104	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Clear Ck	OK121300-03-0200C	07/17/00	21456	100	15	100	5	3	234	104	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	1	45	108	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	11	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	5	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	1	94	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	43	104	108	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	19	122.7	108	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	1	131	108	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	7	142	108	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	1	198	108	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	2	214	108	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	4	217	108	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	8	218	108	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	02/18/99	17163	100	22	95	3	5	228	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	3	9	97	ANNELIDA	Oligochaeta	Haplotaxida	Lumbricidae	
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	17	97	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	28	97	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	5	35	97	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	54	97	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	3	60	97	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	62	97	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Dineutus
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	76	97	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	2	83	97	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	7	90	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	28	92	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	3	94	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	2	95	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	5	104	97	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	2	120	97	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	7	142	97	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	7	198	97	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	2	220.5	97	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	9	228	97	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	263.5	97	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Fossaria
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	267	97	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	4	279	97	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Mill Ck: Trib. To Eufaula	OK220600-01-0100P	01/12/00	18154	100	20	100	3	1	281.5	97	NEMERTEA	Enopla	Hoplonemertea	Tetrastemmatidae	Prostoma
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	1	53.5	125	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	2	60	125	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	25	90	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	2	92	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	3	94	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	38	95	125	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	16	104	125	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	3	123	125	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	2	128.8	125	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	3	131	125	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	27	228	125	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	1	234	125	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	1	239	125	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Oecetis
wood	Peaceable Ck	OK220600-03-0050M	07/10/00	19012	100	8	100	5	1	275	125	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	2	53.5	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	1	57	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	10	60	114	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	3	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	5	94	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	13	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	1	104	114	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	2	123	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	1	127.5	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	1	167	114	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	67	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	6	229	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	1	234	114	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Peaceable Ck	OK220600-03-0050M	08/02/99	20343	25	11	80	3	1	247	114	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	2	28	119	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	1	54	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	4	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	21	92	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	2	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	6	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	1	99	119	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	52	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	13	122.5	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	6	126.6	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	3	131	119	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	2	151	119	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	4	214	119	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	1	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Oil Ck	OK310800-01-0240P	02/07/99	17178	25	7	95	3	1	267	119	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	2	28	109	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	2	58	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	1	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	1	78.7	109	ARTHROPODA	Insecta	Coleoptera	Noteridae	Suphisellus
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	17	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	13	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	1	93	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	6	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	3	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	1	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	2	126.6	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	12	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	14	142	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	2	142.4	109	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	6	151	109	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	4	214	109	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	15	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	1	234	109	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	3	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Oil Ck	OK310800-01-0240P	01/06/00	18163	100	13	90	3	3	267	109	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	1	28	92	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	3	54	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	2	57	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	4	58	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	3	60	92	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	1	78.3	92	ARTHROPODA	Insecta	Coleoptera	Lutrochidae	Lutrochus
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	2	90	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	7	95	92	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	1	126.6	92	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	4	151	92	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	2	159	92	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	10	167	92	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	6	225	92	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	21	228	92	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	3	231	92	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Smicridea
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	1	239	92	ARTHROPODA	Insecta	Trichoptera	Leptoceridae	Oecetis
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	18	247	92	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	1	267	92	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Oil Ck	OK310800-01-0240P	07/28/99	18267	25	9	60	3	2	269	92	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	1	28	111	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	1	31.1	111	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	1	57	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	26	58	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	8	60	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	26	90	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	7	95	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	2	99	111	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	4	104	111	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	1	122.5	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	1	123	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	1	126.6	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	3	151	111	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	1	167	111	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	24	228	111	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Oil Ck	OK310800-01-0240P	07/13/00	19047	100	14	100	5	4	229	111	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	14	87	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	48	87	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	60	87	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	70	87	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	74	87	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Laccobius
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	18	90	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	29	92	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	2	94	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	5	95	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	99.65	87	ARTHROPODA	Insecta	Diptera	Ephydridae	Hydrellia
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	17	104	87	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	2	115.7	87	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	117.5	87	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	131	87	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	5	198	87	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Sand Branch Ck	OK310800-02-0040C	02/07/99	17175	100	25	75	3	1	210	87	ARTHROPODA	Insecta	Plecoptera	Perlidae	
wood	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	12	60	2	2	30	109	ARTHROPODA	Crustacea	Decapoda	Astacidae	
wood	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	12	60	2	1	65.1	109	ARTHROPODA	Insecta	Coleoptera	Haliplidae	Haliplus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	12	60	2	1	83.5	109	ARTHROPODA	Insecta	Collembola		
wood	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	12	60	2	6	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	12	60	2	1	198	109	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	12	60	2	1	263.5	109	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Fossaria
wood	Sand Branch Ck	OK310800-02-0040C	01/06/00	18162	100	12	60	2	2	267	109	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	8	14	52	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	54	52	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	70	52	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	83.6	52	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	2	83.7	52	ARTHROPODA	Insecta	Collembola	Poduridae	Podura
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	88.06	52	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	3	90	52	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	11	92	52	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	3	95	52	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	104	52	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	108	52	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Odontomyia
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	7	123	52	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	3	191	52	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	2	198	52	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	214	52	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	217	52	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	264	52	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Lymnaea
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	3	267	52	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Chigley Sandy Ck	OK310800-02-0190K	02/08/99	17174	25	11	100	3	1	269	52	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	45	89	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	60	89	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	71	89	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	76	89	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	82.5	89	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Cyphon
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	87.5	89	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Atrichopogon
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	31	90	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	9	94	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	14	95	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	2	99	89	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	2	101.3	89	ARTHROPODA	Insecta	Diptera	Psychodidae	Telmatoscopus
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	108	89	ARTHROPODA	Insecta	Diptera	Stratiomyidae	Odontomyia
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	115.7	89	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	3	126.6	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	9	131	89	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	142	89	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	151	89	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	4	173.4	89	ARTHROPODA	Insecta	Odonata	Aeshnidae	Boyeria
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	177	89	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	2	180	89	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	180.1	89	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Ischnura
wood	Chigley Sandy Ck	OK310800-02-0190K	07/28/99	18266	100	9	100	3	1	235.5	89	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ochrotrichia
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	2	28	81	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	7	35	81	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	5	90	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	2	92	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	1	95	81	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	4	103	81	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	2	104	81	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	1	122.7	81	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	1	131	81	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	1	214	81	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	51	218	81	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	3	228	81	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Dumpling Ck	OK410300-03-0210C	02/16/99	17152	50	25	100	3	1	234	81	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	28	100	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	31.1	100	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	45	100	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	18	53.5	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	9	60	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	9	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	2	92	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	4	94	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	9	95	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	2	99	100	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	104	100	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	122.7	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	6	123	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	2	141	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	142	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	173.4	100	ARTHROPODA	Insecta	Odonata	Aeshnidae	Boyeria
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	1	180	100	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	19	228	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Dumpling Ck	OK410300-03-0210C	07/27/99	18282	100	15	95	3	12	247	100	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	5	28	116	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	1	35	116	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	4	53.5	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Ancyronyx
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	3	60	116	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	19	90	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	9	92	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	1	93	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	2	94	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	30	95	116	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	1	99	116	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	1	120	116	ARTHROPODA	Insecta	Diptera	Tipulidae	Tipula
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	3	122.7	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	9	123	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	1	125	116	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Centroptilum
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	3	131	116	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	1	141	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	4	142	116	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	16	228	116	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	2	234	116	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Dumpling Ck	OK410300-03-0210C	07/19/00	19031	100	10	100	5	1	247	116	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	1	19	97	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	10	60	97	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	12	90	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	26	92	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	4	95	97	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	11	104	97	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	2	122.5	97	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	2	122.7	97	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	3	142	97	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	1	198	97	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	7	217	97	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	10	218	97	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	3	228	97	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	4	247	97	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Tenmile Ck	OK410300-03-0270M	02/16/99	17151	50	28	70	3	1	279	97	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	14	120	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	3	28	120	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	45	120	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	60	120	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	2	83.6	120	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	3	90	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	28	92	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	6	94	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	3	95	120	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	3	104	120	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	122.5	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	18	122.7	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	13	126.6	120	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	18	131	120	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	141	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	142	120	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	158.5	120	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	159	120	ARTHROPODA	Insecta	Hemiptera	Veliidae	Rhagovelia
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	173.4	120	ARTHROPODA	Insecta	Odonata	Aeshnidae	Boyeria
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	198	120	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	214	120	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	2	225	120	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	5	228	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	229	120	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	247	120	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	264	120	MOLLUSCA	Gastropoda	Basommatophora	Lymnaeidae	Lymnaea
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	267	120	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Eastman Ck	OK410700-00-0230D	02/07/99	17179	50	6	97	3	1	269	120	MOLLUSCA	Gastropoda	Basommatophora	Planorbidae	Gyraulus
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	1	28	87	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	2	54	87	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	3	57	87	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	2	60	87	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	2	66	87	ARTHROPODA	Insecta	Coleoptera	Haliplidae	Peltodytes
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	1	67.5	87	ARTHROPODA	Insecta	Coleoptera	Hydraenidae	Hydraena
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	1	76	87	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Tropisternus
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	2	88.05	87	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Palpomyia
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	11	90	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	5	92	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	1	93	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	6	94	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	9	95	87	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	1	124	87	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Callibaetis
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	2	126.6	87	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	5	131	87	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	6	151	87	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	3	164	87	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	3	179	87	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	1	186	87	ARTHROPODA	Insecta	Odonata	Gomphidae	Erpetogomphus
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	3	225	87	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	14	228	87	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	2	234	87	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Eastman Ck	OK410700-00-0230D	07/27/99	18280	50	11	100	2	1	247	87	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	2	28	112	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	2	57	112	ARTHROPODA	Insecta	Coleoptera	Elmidae	Macronychus
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	11	90	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	5	92	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	5	94	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	1	95	112	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	1	99	112	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	6	126.6	112	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	2	131	112	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	1	142	112	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	1	179	112	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	1	225	112	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	73	228	112	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Eastman Ck	OK410700-00-0230D	07/13/00	19044	25	8	100	5	1	267	112	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	4	19	118	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	15	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	20	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	63	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	2	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	6	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	1	104	118	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	5	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	1	229	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Wewoka Ck	OK520500-02-0010E	02/23/99	17140	100	15	100	4	1	230	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Potamyia
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	3	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	1	87.6	118	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	13	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	5	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	14	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	3	104	118	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	2	131	118	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	2	139	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	5	142	118	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	2	142.4	118	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	2	151	118	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	1	158.5	118	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	8	167	118	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	1	179	118	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	12	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	27	229	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Wewoka Ck	OK520500-02-0010E	07/29/99	18272	100	7	90	3	17	230	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Potamyia
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	1	87.6	135	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	82	90	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	9	92	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	2	94	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	2	95	135	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	1	131	135	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	1	151	135	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	23	153.1	135	ARTHROPODA	Insecta	Hemiptera	Corixidae	Trichocorixa
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	2	179	135	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	1	192.8	135	ARTHROPODA	Insecta	Odonata	Libellulidae	Libellula
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	10	228	135	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Wewoka Ck	OK520500-02-0010T	07/29/99	18271	50	6	100	3	1	234	135	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	1	19	115	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	17	90	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	72	92	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	1	94	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	1	95	115	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	20	104	115	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	1	110	115	ARTHROPODA	Insecta	Diptera	Tabanidae	
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	1	131	115	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Turkey Ck	OK520510-00-0100E	02/23/99	17137	100	10	100	5	1	214	115	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	3	75	100	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	50	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	7	94	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	9	95	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	1	111	100	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	2	126.6	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	3	139	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	1	151	100	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	1	158.5	100	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	4	167	100	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	2	184.1	100	ARTHROPODA	Insecta	Odonata	Gomphidae	Arigomphus
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	12	228	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	2	229	100	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Turkey Ck	OK520510-00-0100E	07/29/99	18270	58	8	100	3	3	234	100	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Factory Ck	OK520600-01-0060P	02/18/99	17164	25	15	90	2	3	90	22	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Factory Ck	OK520600-01-0060P	02/18/99	17164	25	15	90	2	10	92	22	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Factory Ck	OK520600-01-0060P	02/18/99	17164	25	15	90	2	7	104	22	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Factory Ck	OK520600-01-0060P	02/18/99	17164	25	15	90	2	2	218	22	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	2	48	124	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	2	70	124	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	16	90	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	17	92	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	10	95	124	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	35	104	124	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	1	115.7	124	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	22	131	124	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	1	153	124	ARTHROPODA	Insecta	Hemiptera	Corixidae	
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	1	177	124	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	1	179	124	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	3	191	124	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	2	228	124	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Julian Ck	OK520600-02-0170B	01/07/00	18167	100	7	85	3	11	267	124	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	1	45	85	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	54	90	85	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	5	94	85	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	8	95	85	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	4	131	85	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	3	179	85	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	6	228	85	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	2	234	85	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Julian Ck	OK520600-02-0170B	07/28/99	18263	25	11	90	3	2	247	85	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	1	60	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	4	88.06	109	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	35	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	1	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	9	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	24	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	1	115.7	109	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	4	126.6	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	1	131	109	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	1	177	109	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	27	228	109	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Julian Ck	OK520600-02-0170B	07/12/00	19033	25	22	75	5	1	247	109	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	1	12	133	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Chaetogaster
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	17	14	133	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	1	60	133	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	1	88.07	133	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Stilobezzia
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	30	90	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	43	92	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	1	94	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	17	95	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	1	131	133	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	11	138	133	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Heptagenia
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	2	142	133	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	7	217	133	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Spring Brook Ck	OK520600-03-0030E	02/18/99	17165	75	26	100	3	1	267	133	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	1	48	105	ARTHROPODA	Insecta	Coleoptera	Dytiscidae	Agabus
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	1	78.7	105	ARTHROPODA	Insecta	Coleoptera	Noteridae	Suphisellus
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	11	90	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	29	92	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	11	94	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	30	95	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	4	104	105	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	2	123	105	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	1	131	105	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	11	141	105	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	1	191	105	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	1	217	105	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	1	228	105	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Spring Brook Ck	OK520600-03-0030E	01/06/00	18165	50	11	90	3	1	267	105	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	10	89	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	60	89	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	75	89	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	83	89	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	13	90	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	92	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	28	95	89	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	122.5	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	5	123	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	126.6	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	128	89	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	3	142	89	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	1	142.4	89	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	5	151	89	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	3	158.5	89	ARTHROPODA	Insecta	Hemiptera	Veliidae	Microvelia
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	21	228	89	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Spring Brook Ck	OK520600-03-0030E	07/28/99	18265	12.5	9	95	3	2	229	89	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	2	31.1	111	ARTHROPODA	Crustacea	Decapoda	Cambaridae	Cambarus
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	1	54	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	1	60	111	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	19	90	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	6	92	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	9	94	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	9	95	111	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	1	122.5	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	1	126.6	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	5	128	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Paracloeodes
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	3	128.8	111	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	8	131	111	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	5	141	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	2	142	111	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	7	151	111	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	2	177	111	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	1	179	111	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	1	180	111	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	2	191	111	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	1	214	111	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	20	228	111	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Spring Brook Ck	OK520600-03-0030E	07/12/00	19035	100	11	100	4	5	234	111	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	1	14	133	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	5	90	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	80	92	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	2	94	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	2	95	133	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	40	104	133	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	1	126.6	133	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	1	228	133	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Captain Ck	OK520700-05-0140C	02/18/99	17111	100	20	100	5	1	281	133	NEMATODA				
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	1	71	114	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Enochrus
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	3	75	114	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	77	90	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	6	95	114	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	1	99	114	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	1	123	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	7	126.6	114	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	1	131	114	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	1	142	114	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	5	142.4	114	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	6	151	114	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	3	228	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Captain Ck	OK520700-05-0140C	07/29/99	18269	50	7	90	3	2	229	114	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	1	60	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	23	90	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	1	94	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	2	95	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	7	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	3	123	102	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	1	141	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	1	151	102	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	1	167	102	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	51	228	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	10	229	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Opossum Ck	OK520700-05-0200C	07/29/99	18268	100	7	100*	5*	1	251.3	102	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Nyctiophylax
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	42	90	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	7	92	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	3	94	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	13	95	101	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	1	122.7	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	2	126.6	101	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	2	131	101	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	3	141	101	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	2	151	101	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	4	167	101	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	1	179	101	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	14	228	101	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	6	229	101	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Opossum Ck	OK520700-05-0200C	07/18/00	18998	100	28	10	5	1	267	101	MOLLUSCA	Gastropoda	Basommatophora	Physidae	Physella
wood	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	100*	11*	90*	5	1	54.00	83	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	100*	11*	90*	5	23	90.00	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	100*	11*	90*	5	21	92.00	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	100*	11*	90*	5	1	94.00	83	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	100*	11*	90*	5	34	104.00	83	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	100*	11*	90*	5	2	131.00	83	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Little Deep Fork	OK520700-06-0130T	02/19/99	17142	100*	11*	90*	5	1	214.00	83	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	45	119	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	54	119	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	44	90	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	7	94	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	15	95	119	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	104	119	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	110.5	119	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	128.8	119	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	3	131	119	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	13	141	119	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	167	119	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	173.4	119	ARTHROPODA	Insecta	Odonata	Aeshnidae	Boyeria
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	177	119	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	2	179	119	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	2	180	119	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	17	228	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	7	229	119	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Little Deep Fork	OK520700-06-0130T	07/29/99	12138	100	7	100*	5*	1	275	119	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	1	19	107	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	1	28	107	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	1	88.06	107	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	1	88.2	107	ARTHROPODA	Insecta	Diptera	Chaoboridae	Chaoborus
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	21	90	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	16	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	10	94	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	9	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	42	104	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	3	122.7	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	1	141	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Little Deep Fork	OK520700-06-0130T	01/03/00	17274	50	6	100	5	1	281	107	NEMATODA				
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	1	63	107	ARTHROPODA	Insecta	Coleoptera	Gyrinidae	Gyretes
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	1	87.6	107	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	37	90	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	2	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	3	94	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	29	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	1	122.7	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	2	123	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	2	127.5	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Labiobaetis
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	1	131	107	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	5	141	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	2	167	107	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	1	179	107	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	18	228	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	1	229	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Little Deep Fork	OK520700-06-0130T	07/17/00	19011	100	14	100	5	1	234	107	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	1	54	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	2	58	107	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	4	90	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	18	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	4	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	63	104	107	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	1	122.7	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	8	126.6	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	1	141	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	3	228	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	1	229	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Elm Ck	OK520810-00-0100C	02/19/99	17169	25	23	90	3	1	281	107	NEMATODA				
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	1	58	98	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	1	70	98	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	17	90	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	58	92	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	1	93	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Pseudochironomi
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	5	94	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	6	95	98	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	1	104	98	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	2	131	98	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	1	164	98	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	4	228	98	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Elm Ck	OK520810-00-0100C	01/07/00	18169	100	8	85	3	1	250	98	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Cyrnellus
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	1	54	123	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	4	58	123	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	1	60	123	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	1	88.06	123	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Probezzia
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	22	90	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	2	92	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	6	95	123	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	7	123	123	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	15	126.6	123	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	10	151	123	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	1	164	123	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	1	167	123	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	1	180	123	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Enallagma
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	11	228	123	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	26	229	123	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	9	234	123	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	4	235.5	123	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Ochrotrichia
wood	Elm Ck	OK520810-00-0100C	07/28/99	18261	25	7	75	3	1	247	123	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	50	19	65	4	2	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	50	19	65	4	45	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	50	19	65	4	61	104	110	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	50	19	65	4	1	110.5	110	ARTHROPODA	Insecta	Diptera	Tabanidae	Chrysops
wood	Lagoon Ck	OK620900-01-0180J	02/19/99	17141	50	19	65	4	1	142	110	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	100*	6	100	4	2	90	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	100*	6	100	4	7	92	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	100*	6	100	4	1	94	105	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Lagoon Ck	OK620900-01-0180J	01/03/00	17273	100*	6	100	4	95	104	105	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Buckeye Ck	OK620900-01-0220G	02/10/99	17113	100*	7*	50	5	1	54	17	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Buckeye Ck	OK620900-01-0220G	02/10/99	17113	100*	7*	50	5	12	92	17	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Buckeye Ck	OK620900-01-0220G	02/10/99	17113	100*	7*	50	5	3	104	17	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Buckeye Ck	OK620900-01-0220G	02/10/99	17113	100*	7*	50	5	1	142	17	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	10	102	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	45	102	ARTHROPODA	Insecta	Coleoptera	Dryopidae	Helichus
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	54	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	60	102	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	70	102	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Berosus
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	83.6	102	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	42	90	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	10	92	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	12	94	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	5	95	102	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	7	104	102	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	115.7	102	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	3	122.7	102	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	3	131	102	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	2	139	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	141	102	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	2	179	102	ARTHROPODA	Insecta	Odonata	Coenagrionidae	Argia
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	191	102	ARTHROPODA	Insecta	Odonata	Gomphidae	Progomphus
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	6	228	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Buckeye Ck	OK620900-01-0220G	01/03/00	17272	50	13	100	5	1	229	102	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	86	90	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	2	92	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	8	95	107	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	1	122.7	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	3	123	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	1	128.8	107	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Procloeon
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	3	131	107	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	1	142	107	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	1	151	107	ARTHROPODA	Insecta	Ephemeroptera	Tricorythidae	Tricorythodes
wood	Buckeye Ck	OK620900-01-0220G	07/17/00	19005	100	11	100	5	1	228	107	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	27	14	117	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	1	60	117	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	3	90	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	50	92	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	3	99.65	117	ARTHROPODA	Insecta	Diptera	Ephydridae	Hydrellia
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	31	104	117	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	1	228	117	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Euchee Ck	OK620900-01-0290R	02/11/99	17114	100	22	100	5	1	279	117	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	1	14	118	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	1	60	118	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	58	90	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	10	92	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	3	94	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	6	95	118	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	3	104	118	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	1	117.5	118	ARTHROPODA	Insecta	Diptera	Tipulidae	Limnophila
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	1	167	118	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	31	228	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Euchee Ck	OK620900-01-0290R	01/06/00	17281	50	8	100	5	3	229	118	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Council Ck	OK620900-02-0050H	02/19/99	17143	100	7	100	5	1	60	117	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Council Ck	OK620900-02-0050H	02/19/99	17143	100	7	100	5	16	90	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Council Ck	OK620900-02-0050H	02/19/99	17143	100	7	100	5	40	92	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Council Ck	OK620900-02-0050H	02/19/99	17143	100	7	100	5	1	95	117	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Council Ck	OK620900-02-0050H	02/19/99	17143	100	7	100	5	59	104	117	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	1	14	95	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	1	17	95	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Slavina
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	1	88.05	95	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Palpomyia
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	15	90	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	8	92	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	2	94	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	19	95	95	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	32	104	95	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	6	122.7	95	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	4	131	95	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	5	228	95	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Council Ck	OK620900-02-0050H	01/04/00	17275	25	11	100	5	1	251.3	95	ARTHROPODA	Insecta	Trichoptera	Polycentropodidae	Nyctiophylax
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	10	100	ANNELIDA	Oligochaeta	Lumbriculida	Lumbriculidae	
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	14	100	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	18.2	100	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Branchiura
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	18.3	100	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Ilyodrilus
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	2	19	100	ANNELIDA	Oligochaeta	Haplotaxida	Tubificidae	Limnodrilus
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	54	100	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	3	90	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	38	92	100	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	37	104	100	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	122.7	100	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	6	131	100	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	141	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenacron
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	3	142	100	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	1	174	100	ARTHROPODA	Insecta	Odonata	Aeshnidae	Nasiaeschna
wood	Doga Ck	OK621200-02-0020M	02/23/99	17125	100	12	100	5	3	279	100	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	65	90	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	4	92	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	6	94	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	19	95	108	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	1	99	108	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	2	142	108	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	2	167	108	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	6	228	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Hominy Ck: Downstream	OK121300-04-0280M	07/13/00	21451	50	7	100	5	3	229	108	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	4	28	57	ARTHROPODA	Crustacea	Amphipoda	Talitridae	Hyalella
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	1	60	57	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	1	75	57	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	1	83	57	ARTHROPODA	Insecta	Coleoptera	Scirtidae	Scirtes
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	4	87.6	57	ARTHROPODA	Insecta	Diptera	Ceratopogonidae	Bezzia
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	29	90	57	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	4	92	57	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	4	94	57	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	2	95	57	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	1	99.65	57	ARTHROPODA	Insecta	Diptera	Ephydridae	Hydrellia
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	1	111	57	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	1	142	57	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	2	161	57	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	
wood	Sand Ck	OK121400-04-0010T	07/17/00	21458	100	28	100	3	2	228	57	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	1	60	96	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	4	92	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	1	94	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	46	104	96	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	2	139	96	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	1	142	96	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	22	142.4	96	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	7	146	96	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	1	167	96	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	3	198	96	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	1	217	96	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	3	220.5	96	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Taeniopteryx
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	3	228	96	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Salt Ck	OK621200-04-0010J	01/04/00	18318	50	5	100	3	1	275	96	MOLLUSCA	Pelecypoda	Veneroida	Corbiculidae	Corbicula
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	1	1.5	79	ANNELIDA	Branchiobdellida			
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	1	23	79	ARTHROPODA	Acari	Arcarina		
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	1	30	79	ARTHROPODA	Crustacea	Decapoda	Astacidae	
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	1	58	79	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	4	60	79	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	13	90	79	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	2	94	79	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	3	95	79	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	2	123	79	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	5	142.4	79	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	6	167	79	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	8	228	79	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	30	229	79	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Salt Ck	OK621200-04-0010J	07/17/00	21455	100	10	100	5	2	247	79	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	1	33.5	99	ARTHROPODA	Crustacea	Isopoda		
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	3	60	99	ARTHROPODA	Insecta	Coleoptera	Elmidae	Stenelmis
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	17	92	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	1	94	99	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	50	104	99	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	1	126.6	99	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	2	131	99	ARTHROPODA	Insecta	Ephemeroptera	Caenidae	Caenis
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	6	142	99	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	2	142.4	99	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	2	146	99	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Neochoroterpes
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	11	198	99	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	1	210	99	ARTHROPODA	Insecta	Plecoptera	Perlidae	
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	1	228	99	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Little Chief Ck	OK621200-04-0070C	01/04/00	18316	100	9	100	3	1	279	99	MOLLUSCA	Pelecypoda	Veneroida	Sphaeriidae	Sphaerium
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	7	58	63	ARTHROPODA	Insecta	Coleoptera	Elmidae	Microcylloepus
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	19	90	63	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	3	94	63	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	2	95	63	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	6	104	63	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	2	126.6	63	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Fallceon
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	3	167	63	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	10	228	63	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Little Chief Ck	OK621200-04-0070C	07/13/00	21454	100	28	100	5	11	229	63	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	7	83.6	96	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	1	84.5	96	ARTHROPODA	Insecta	Diptera	Anthomyiidae	Limnophora
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	1	90	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	40	92	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	1	94	96	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	12	104	96	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	17	122.5	96	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	1	133	96	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Ephemerella
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	8	229	96	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	1	254	96	ARTHROPODA	Insecta	Trichoptera	Psychomyiidae	Lype
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	1	256	96	ARTHROPODA	Insecta	Trichoptera	Psychomyiidae	Psychomyia
wood	Saline Ck	OK121600-02-0030D	01/10/00	18253	100	10	100	2.5	6	272.5	96	MOLLUSCA	Gastropoda	Architaenioglossa	Viviparidae	Campeloma
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	14	109	ANNELIDA	Oligochaeta	Haplotaxida	Naididae	Nais
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	54	109	ARTHROPODA	Insecta	Coleoptera	Elmidae	Dubiraphia
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	83.6	109	ARTHROPODA	Insecta	Collembola	Isotomidae	Isotomurus
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	24	90	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	55	92	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	2	94	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	6	95	109	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	99	109	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	3	104	109	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	115.7	109	ARTHROPODA	Insecta	Diptera	Tipulidae	Geranomyia
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	4	122.5	109	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	142	109	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	142.4	109	ARTHROPODA	Insecta	Ephemeroptera	Isonychiidae	Isonychia
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	2	145	109	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Leptophlebia
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	177	109	ARTHROPODA	Insecta	Odonata	Calopterygidae	Hetaerina
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	198	109	ARTHROPODA	Insecta	Plecoptera	Capniidae	Allocapnia
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	1	219.5	109	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Oemopteryx
wood	Lost Ck	OK121600-03-0560G	01/21/00	17293	100*	7	100	5	3	256	109	ARTHROPODA	Insecta	Trichoptera	Psychomyiidae	Psychomyia
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	63	90	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	18	92	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	2	94	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	3	95	103	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	1	104	103	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	1	111	103	ARTHROPODA	Insecta	Diptera	Tabanidae	Tabanus
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	1	134	103	ARTHROPODA	Insecta	Ephemeroptera	Ephemerellidae	Eurylophella
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	2	214	103	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	3	217	103	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	7	218	103	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Isoperla

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	1	220	103	ARTHROPODA	Insecta	Plecoptera	Taeniopterygidae	Strophopteryx
wood	Brushy Ck	OK220600-03-0010T	02/17/99	17156	100	19	90	3	1	228	103	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	5	35	75	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	1	90	75	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	16	92	75	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	5	95	75	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	1	98	75	ARTHROPODA	Insecta	Diptera	Empididae	Clinocera
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	8	103	75	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	1	104	75	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	18	122.5	75	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	6	142	75	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	4	214	75	ARTHROPODA	Insecta	Plecoptera	Perlidae	Perlesta
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	5	217	75	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Hydroperla
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	1	223	75	ARTHROPODA	Insecta	Trichoptera	Glossosomatidae	Agapetus
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	1	234	75	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	2	243.5	75	ARTHROPODA	Insecta	Trichoptera	Limnephilidae	Pycnopsyche
wood	Pine Ck	OK410300-03-0580C	02/16/99	17153	100	28	100	3	1	247	75	ARTHROPODA	Insecta	Trichoptera	Philopotamidae	Chimarra
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	2	35	90	ARTHROPODA	Crustacea	Isopoda	Asellidae	Lirceus
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	3	90	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	9	92	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	1	95	90	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	4	103	90	ARTHROPODA	Insecta	Diptera	Simuliidae	Prosimulium
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	36	104	90	ARTHROPODA	Insecta	Diptera	Simuliidae	Simulium
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	30	122.5	90	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	1	123	90	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	1	142	90	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Dry Ck	OK410310-01-0070C	02/16/99	17154	100	14	100	2	3	216	90	ARTHROPODA	Insecta	Plecoptera	Perlodidae	Clioperla
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	4	75	110	ARTHROPODA	Insecta	Coleoptera	Hydrophilidae	Paracymus
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	26	90	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	5	92	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	4	94	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	41	95	110	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	1	122.7	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	1	123	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Baetis
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	1	125	110	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Centroptilum
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	2	142	110	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Stenonema
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	1	144	110	ARTHROPODA	Insecta	Ephemeroptera	Leptophlebiidae	Choroterpes
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	1	164	110	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	2	167	110	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	11	228	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	7	229	110	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche

Sample type	Site Name	WBID	Date	Sample ID	%SPick	#SqPick	%SColl	Effort	No. sampled	Ref Num	Total ID	Phylum	Class	Order	Family	Genus
wood	Dry Ck	OK410310-01-0070C	07/23/99	18276	100	16	95	3	3	234	110	ARTHROPODA	Insecta	Trichoptera	Hydroptilidae	Hydroptila
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	22	90	70	ARTHROPODA	Insecta	Diptera	Chironomidae	Chironomini
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	6	92	70	ARTHROPODA	Insecta	Diptera	Chironomidae	Orthocladiinae
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	4	94	70	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanypodinae
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	2	95	70	ARTHROPODA	Insecta	Diptera	Chironomidae	Tanytarsini
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	1	99	70	ARTHROPODA	Insecta	Diptera	Empididae	Hemerodromia
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	14	122.5	70	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acentrella
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	1	122.7	70	ARTHROPODA	Insecta	Ephemeroptera	Baetidae	Acerpenna
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	1	139	70	ARTHROPODA	Insecta	Ephemeroptera	Heptageniidae	Leucrocuta
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	4	164	70	ARTHROPODA	Insecta	Lepidoptera	Pyralidae	Petrophila
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	2	167	70	ARTHROPODA	Insecta	Megaloptera	Corydalidae	Corydalus
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	1	213	70	ARTHROPODA	Insecta	Plecoptera	Perlidae	Neoperla
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	1	225	70	ARTHROPODA	Insecta	Trichoptera	Helicopsychidae	Helicopsyche
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	8	228	70	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Cheumatopsyche
wood	Dry Ck	OK410310-01-0070C	07/10/00	19015	100	28	90	5	3	229	70	ARTHROPODA	Insecta	Trichoptera	Hydropsychidae	Hydropsyche

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
South Fork of Dirty Ck	02/17/99	OK120400-02-0030F	17100	Riffle	AV	123	15	382.67	4.95	4.43	0.00	0.01	0.12	0.50	0.49	0.50	0.68	0.49	8	0.23	3.16
Brazil Ck: Leflore Co.	03/03/99	OK220100-03-0010G	17115	Riffle	AV	131	17	1397.33	5.56	4.70	0.03	0.39	0.00	0.36	0.26	0.60	0.81	0.39	8	0.31	3.37
Brazil Ck: LeFlore Co.	03/03/99	OK220100-03-0010G	17115	Woody	AV	119	16	42.31	6.64	5.32	0.00	0.20	0.00	0.66	0.62	0.20	0.23	0.16	8	0.52	2.43
Brazil Ck: LeFlore Co.	07/26/99	OK220100-03-0010G	19212	Riffle	AV	122	20	1001.03	5.07	5.24	0.01	0.36	0.00	0.32	0.27	0.45	0.60	0.22	10	0.25	3.45
Brazil Ck: LeFlore Co.	07/26/99	OK220100-03-0010G	19212	Woody	AV	102	14	264.44	5.22	4.88	0.03	0.39	0.00	0.43	0.37	0.54	0.65	0.44	4	0.31	2.99
Brazil Ck: LeFlore Co.	01/20/00	OK220100-03-0010G	18145	Riffle	AV	154	17	2874.67	5.45	5.19	0.04	0.68	0.02	0.16	0.12	0.51	0.86	0.12	7	0.59	2.38
Brazil Ck: LeFlore Co.	01/20/00	OK220100-03-0010G	18145	Woody	AV	117	9	182.00	5.76	5.02	0.00	0.63	0.04	0.33	0.29	0.19	0.89	0.07	2	0.62	1.69
Brazil Ck: LeFlore Co.	07/11/00	OK220100-03-0010G	19019	Riffle	AV	103	19	480.67	5.30	5.17	0.00	0.33	0.00	0.45	0.39	0.32	0.59	0.18	8	0.26	3.22
Brazil Ck: LeFlore Co.	07/11/00	OK220100-03-0010G	19019	Vegetation	AV	146	17	292.00	6.27	5.16	0.00	0.07	0.00	0.84	0.65	0.29	0.45	0.26	7	0.32	2.81
Brazil Ck: LeFlore Co.	07/11/00	OK220100-03-0010G	19019	Woody	AV	142	13	66.27	6.14	4.72	0.25	0.03	0.00	0.95	0.89	0.09	0.44	0.08	6	0.60	1.99
Brazil Ck: Latimer Co.	02/17/99	OK220100-03-0010T	17556	Riffle	AV	139	21	995.56	5.13	4.88	0.04	0.18	0.01	0.53	0.48	0.35	0.69	0.26	7	0.30	3.38
Brazil Ck: Latimer Co.	02/17/99	OK220100-03-0010T	17556	Vegetation	AV	105	21	306.25	4.84	4.76	0.00	0.16	0.06	0.35	0.25	0.65	1.00	0.46	10	0.24	3.59
Brazil Ck: Latimer Co.	02/17/99	OK220100-03-0010T	17556	Woody	AV	94	21	58.49	5.41	4.84	0.00	0.13	0.04	0.51	0.37	0.54	0.71	0.44	13	0.18	3.71
Brazil Ck: Latimer Co.	08/02/99	OK220100-03-0010T	20342	Riffle	AV	136	14	338.49	4.07	4.75	0.01	0.62	0.00	0.11	0.09	0.81	0.89	0.38	6	0.32	2.76
Brazil Ck: Latimer Co.	08/02/99	OK220100-03-0010T	20342	Woody	AV	81	11	152.73	5.65	4.97	0.00	0.14	0.01	0.59	0.59	0.11	0.29	0.07	3	0.32	2.69
Brazil Ck: Latimer Co.	01/12/00	OK220100-03-0010T	18149	Riffle	AV	103	19	1281.78	5.25	5.72	0.03	0.37	0.03	0.43	0.34	0.17	0.70	0.07	3	0.27	3.33
Brazil Ck: Latimer Co.	01/12/00	OK220100-03-0010T	18149	Woody	AV	96	15	94.32	4.71	5.41	0.00	0.57	0.08	0.26	0.22	0.34	0.69	0.11	3	0.41	2.89
Brazil Ck: Latimer Co.	07/10/00	OK220100-03-0010T	19018	Riffle	AV	104	21	215.70	4.74	5.50	0.07	0.43	0.00	0.28	0.19	0.50	0.67	0.19	9	0.34	3.33
Brazil Ck: Latimer Co.	07/10/00	OK220100-03-0010T	19018	Vegetation	AV	109	20	101.73	6.48	6.27	0.28	0.08	0.01	0.74	0.24	0.49	0.86	0.23	7	0.35	3.38
Brazil Ck: Latimer Co.	07/10/00	OK220100-03-0010T	19018	Woody	AV	111	11	103.60	5.78	5.14	0.00	0.21	0.00	0.72	0.70	0.00	0.00	0.00	0	0.45	2.37
San Bois Ck	02/18/99	OK220200-04-0010W	17161	Riffle	AV	90	16	960.00	5.90	4.99	0.09	0.26	0.00	0.47	0.44	0.31	0.36	0.20	8	0.36	2.93
San Bois Ck	02/18/99	OK220200-04-0010W	17161	Vegetation	AV	111	11	363.51	6.97	5.27	0.00	0.04	0.01	0.86	0.86	0.09	0.12	0.08	4	0.60	1.96
San Bois Ck	02/18/99	OK220200-04-0010W	17161	Woody	AV	82	15	54.67	5.05	4.41	0.10	0.38	0.01	0.45	0.33	0.48	0.93	0.30	8	0.34	2.82
San Bois Ck	08/02/99	OK220200-04-0010W	20339	Riffle	AV	153	14	1428.00	4.50	5.62	0.00	0.73	0.01	0.18	0.16	0.53	0.68	0.18	4	0.59	2.25
San Bois Ck	01/12/00	OK220200-04-0010W	18152	Riffle	AV	127	18	423.33	6.57	6.11	0.07	0.30	0.05	0.59	0.25	0.45	0.68	0.20	4	0.27	3.35
San Bois Ck	01/12/00	OK220200-04-0010W	18152	Vegetation	AV	113	14	127.84	6.12	5.44	0.09	0.50	0.04	0.45	0.34	0.19	0.75	0.08	3	0.45	2.33
San Bois Ck	01/12/00	OK220200-04-0010W	18152	Woody	AV	93	15	120.56	6.20	5.42	0.13	0.52	0.03	0.44	0.37	0.15	0.32	0.06	3	0.45	2.55
San Bois Ck	07/11/00	OK220200-04-0010W	19021	Riffle	AV	123	11	2624.00	5.04	5.47	0.00	0.54	0.00	0.36	0.33	0.27	0.38	0.12	2	0.42	2.49
San Bois Ck	07/11/00	OK220200-04-0010W	19021	Vegetation	AV	113	16	75.33	5.68	5.63	0.00	0.30	0.00	0.53	0.50	0.14	0.21	0.08	3	0.30	3.01
San Bois Ck	07/11/00	OK220200-04-0010W	19021	Woody	AV	119	12	148.09	6.09	5.62	0.00	0.24	0.00	0.66	0.61	0.05	0.08	0.03	3	0.39	2.55
Mtn Fork of San Bois Ck	02/17/99	OK220200-04-0050J	17098	Riffle	AV	123	16	1020.44	6.76	5.24	0.00	0.11	0.00	0.81	0.74	0.20	0.24	0.19	10	0.60	2.32
Mtn Fork of San Bois Ck	08/02/99	OK220200-04-0050J	20340	Riffle	AV	97	17	362.13	4.97	5.34	0.72	0.19	0.00	0.28	0.12	0.72	0.91	0.32	5	0.18	3.55
Mtn Fork of San Bois Ck	01/12/00	OK220200-04-0050J	18151	Riffle	AV	104	20	242.67	4.14	4.13	0.94	0.17	0.12	0.21	0.14	0.82	0.96	0.66	7	0.36	3.26
Mtn Fork of San Bois Ck	07/11/00	OK220200-04-0050J	19020	Riffle	AV	118	20	440.53	4.20	4.34	0.08	0.62	0.00	0.25	0.19	0.71	0.85	0.47	8	0.36	3.17
Longtown Ck	02/18/99	OK220600-01-0070G	17162	Riffle	AV	116	19	333.33	4.70	4.30	0.50	0.02	0.09	0.53	0.36	0.60	0.83	0.54	8	0.20	3.56
Longtown Ck	02/18/99	OK220600-01-0070G	17162	Vegetation	AV	108	21	82.96	5.78	5.33	1.00	0.00	0.04	0.78	0.44	0.42	0.69	0.31	11	0.20	3.60
Longtown Ck	02/18/99	OK220600-01-0070G	17162	Woody	AV	53	13	17.67	3.79	3.71	1.00	0.08	0.17	0.30	0.19	0.80	0.93	0.77	7	0.38	2.95
Longtown Ck	01/12/00	OK220600-01-0070G	18153	Vegetation	AV	88	13	34.22	5.45	5.07	1.00	0.11	0.24	0.63	0.38	0.40	0.92	0.25	2	0.33	2.75
Longtown Ck	01/12/00	OK220600-01-0070G	18153	Woody	AV	92	10	32.28	6.68	5.44	1.00	0.01	0.11	0.88	0.73	0.14	0.21	0.12	2	0.45	2.25
Gaines Ck	02/17/99	OK220600-04-0010F	17159	Riffle	AV	118	20	524.44	5.58	5.00	0.00	0.15	0.00	0.47	0.42	0.45	0.61	0.34	6	0.22	3.37
Gaines Ck	02/17/99	OK220600-04-0010F	17159	Vegetation	AV	86	21	70.41	5.79	5.32	0.42	0.14	0.01	0.52	0.33	0.56	0.73	0.42	8	0.19	3.68
Gaines Ck	02/17/99	OK220600-04-0010F	17159	Woody	AV	91	18	62.45	5.27	4.57	0.20	0.05	0.02	0.44	0.38	0.58	0.68	0.53	9	0.25	3.19

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Gaines Ck	01/20/00	OK220600-04-0010F	18146	Riffle	AV	88	15	684.44	4.85	5.05	0.04	0.28	0.13	0.27	0.17	0.44	0.75	0.14	2	0.27	3.14
Gaines Ck	01/20/00	OK220600-04-0010F	18146	Vegetation	AV	110	10	293.33	6.00	5.17	0.01	0.68	0.02	0.29	0.24	0.13	0.57	0.04	3	0.67	1.56
Gaines Ck	01/20/00	OK220600-04-0010F	18146	Woody	AV	116	12	181.96	5.93	5.28	0.00	0.76	0.02	0.19	0.16	0.14	0.43	0.03	2	0.73	1.54
Gaines Ck	07/10/00	OK220600-04-0010F	19017	Riffle	AV	109	12	635.83	4.35	5.56	0.00	0.68	0.00	0.11	0.09	0.50	0.77	0.09	1	0.48	2.44
Gaines Ck	07/10/00	OK220600-04-0010F	19017	Vegetation	AV	138	20	214.67	5.81	5.88	0.09	0.25	0.00	0.56	0.31	0.17	0.50	0.07	4	0.21	3.37
Gaines Ck	07/10/00	OK220600-04-0010F	19017	Woody	AV	112	12	31.44	5.88	5.22	0.00	0.17	0.00	0.67	0.66	0.04	0.10	0.03	3	0.29	2.70
Beaver Ck	02/17/99	OK220600-04-0030G	17158	Riffle	AV	81	21	756.00	5.96	4.95	0.08	0.08	0.01	0.61	0.51	0.38	0.51	0.31	8	0.30	3.51
Beaver Ck	02/17/99	OK220600-04-0030G	17158	Woody	AV	109	13	85.67	5.86	4.87	0.00	0.00	0.01	0.62	0.54	0.44	0.57	0.43	7	0.33	2.80
Beaver Ck	01/12/00	OK220600-04-0030G	18150	Riffle	AV	119	11	4442.67	6.40	5.82	0.00	0.81	0.02	0.15	0.02	0.50	0.67	0.02	1	0.80	1.19
Beaver Ck	01/12/00	OK220600-04-0030G	18150	Woody	AV	104	8	145.60	6.04	5.42	0.01	0.88	0.02	0.08	0.05	0.38	0.38	0.03	2	0.85	1.02
Beaver Ck	07/10/00	OK220600-04-0030G	19016	Riffle	AV	103	9	721.00	5.64	5.66	0.00	0.39	0.00	0.50	0.50	0.06	0.08	0.03	3	0.39	2.19
Beaver Ck	07/10/00	OK220600-04-0030G	19016	Woody	AV	104	12	26.47	5.86	5.36	0.06	0.17	0.00	0.53	0.52	0.08	0.14	0.05	3	0.31	2.72
Willow Ck	02/19/99	OK520610-01-0080G	17167	Vegetation	CGP	79	13	601.90	6.16	5.05	0.00	0.05	0.00	0.91	0.82	0.04	0.27	0.04	1	0.61	2.17
Willow Ck	02/19/99	OK520610-01-0080G	17167	Woody	CGP	105	10	209.63	5.92	5.06	0.00	0.08	0.01	0.87	0.76	0.07	0.67	0.06	3	0.70	1.72
Willow Ck	07/28/99	OK520610-01-0080G	18262	Vegetation	CGP	83	19	573.83	6.24	5.75	0.57	0.08	0.01	0.67	0.47	0.35	0.60	0.25	7	0.17	3.73
Willow Ck	07/28/99	OK520610-01-0080G	18262	Woody	CGP	92	15	336.73	6.48	5.44	0.33	0.03	0.00	0.73	0.67	0.27	0.42	0.25	8	0.35	2.92
Willow Ck	01/07/00	OK520610-01-0080G	18168	Vegetation	CGP	121	16	442.88	6.07	5.29	0.10	0.17	0.00	0.78	0.66	0.16	0.65	0.12	3	0.26	3.06
Willow Ck	01/07/00	OK520610-01-0080G	18168	Woody	CGP	106	10	879.41	5.92	4.87	0.00	0.28	0.00	0.64	0.59	0.16	0.63	0.11	3	0.41	2.44
Willow Ck	07/12/00	OK520610-01-0080G	19032	Vegetation	CGP	100	14	533.33	6.50	5.86	0.17	0.18	0.01	0.77	0.58	0.13	0.23	0.09	5	0.31	2.96
Willow Ck	07/12/00	OK520610-01-0080G	19032	Woody	CGP	121	8	135.52	7.26	5.56	0.00	0.03	0.00	0.93	0.93	0.04	0.06	0.04	3	0.70	1.57
Deep Fork: Eastern	02/09/99	OK520710-02-0060G	17170	Riffle	CGP	84	11	217.02	7.40	6.50	0.00	0.00	0.00	0.95	0.56	0.11	0.75	0.07	1	0.51	2.13
Deep Fork: Eastern	02/09/99	OK520710-02-0060G	17170	Woody	CGP	95	6	177.33	6.21	4.87	0.00	0.00	0.00	0.99	0.93	0.03	0.43	0.03	1	0.86	0.88
Deep Fork: Eastern	08/03/99	OK520710-02-0060G	20344	Riffle	CGP	113	12	1607.11	6.00	5.59	0.09	0.25	0.00	0.65	0.63	0.07	0.12	0.04	3	0.34	2.66
Deep Fork: Eastern	08/03/99	OK520710-02-0060G	20344	Woody	CGP	98	14	169.38	7.00	5.95	0.50	0.06	0.00	0.86	0.77	0.10	0.15	0.08	3	0.48	2.57
Deep Fork: Eastern	01/18/00	OK520710-02-0060G	18128	Riffle	CGP	84	9	506.67	6.05	4.90	0.00	0.01	0.00	0.97	0.88	0.07	0.83	0.07	2	0.78	1.32
Deep Fork: Eastern	01/18/00	OK520710-02-0060G	18128	Woody	CGP	97	5	113.17	6.09	4.65	1.00	0.01	0.00	0.99	0.98	0.01	0.25	0.01	1	0.94	0.45
Deep Fork: Eastern	07/18/00	OK520710-02-0060G	19000	Riffle	CGP	102	11	146.46	6.40	5.51	0.00	0.02	0.00	0.92	0.81	0.11	0.30	0.10	3	0.31	2.56
Greenleaf Ck	02/17/99	OK120400-01-0120C	17101	Riffle	CIP	169	22	1577.33	4.99	4.15	0.36	0.08	0.02	0.73	0.44	0.54	0.80	0.51	14	0.24	3.41
Greenleaf Ck	01/11/00	OK120400-01-0120C	18256	Riffle	CIP	101	10	1508.27	2.94	3.36	0.00	0.00	0.58	0.35	0.35	0.64	1.00	0.62	4	0.58	1.68
Greenleaf Ck	07/10/00	OK120400-01-0120C	19058	Riffle	CIP	121	14	564.67	4.33	4.71	0.03	0.40	0.00	0.52	0.09	0.87	0.95	0.62	5	0.40	2.79
Rabb Ck	02/16/99	OK121400-01-0090D	17116	Riffle	CIP	95	13	84.44	6.14	5.32	0.03	0.33	0.01	0.60	0.48	0.13	0.78	0.07	2	0.43	2.35
Rabb Ck	08/03/99	OK121400-01-0090D	19261	Riffle	CIP	79	16	67.03	5.56	5.24	0.00	0.30	0.00	0.57	0.49	0.36	0.59	0.28	8	0.22	3.34
Rabb Ck	01/07/00	OK121400-01-0090D	18328	Riffle	CIP	122	10	3036.44	5.93	5.16	0.00	0.75	0.01	0.22	0.19	0.15	1.00	0.03	3	0.74	1.27
Rabb Ck	07/18/00	OK121400-01-0090D	21460	Riffle	CIP	109	13	452.15	5.28	5.68	0.00	0.37	0.00	0.46	0.40	0.23	0.65	0.12	5	0.30	2.84
Rabb Ck	07/18/00	OK121400-01-0090D	21460	Vegetation	CIP	100	15	93.33	6.67	6.29	0.75	0.04	0.00	0.89	0.52	0.15	0.75	0.09	4	0.35	2.60
Rabb Ck	07/18/00	OK121400-01-0090D	21460	Woody	CIP	80	10	16.00	6.28	5.60	0.00	0.13	0.00	0.76	0.74	0.11	0.21	0.09	2	0.34	2.39
Hogshooter Ck	02/16/99	OK121400-01-0300J	17117	Riffle	CIP	95	13	236.44	4.69	4.06	0.00	0.05	0.06	0.55	0.49	0.47	0.93	0.44	8	0.46	2.69
Hogshooter Ck	08/03/99	OK121400-01-0300J	19260	Riffle	CIP	145	15	601.48	5.12	4.98	0.01	0.55	0.00	0.37	0.35	0.48	0.56	0.33	6	0.28	2.84
Hogshooter Ck	01/05/00	OK121400-01-0300J	18321	Riffle	CIP	84	10	313.60	5.74	4.74	0.00	0.29	0.00	0.56	0.52	0.25	0.88	0.18	4	0.50	2.12
Hogshooter Ck	07/18/00	OK121400-01-0300J	21461	Riffle	CIP	117	19	390.00	5.38	5.21	0.14	0.31	0.00	0.50	0.46	0.36	0.74	0.26	5	0.16	3.49
Hogshooter Ck	07/18/00	OK121400-01-0300J	21461	Woody	CIP	82	14	25.51	6.33	5.64	0.16	0.19	0.00	0.74	0.66	0.13	0.22	0.10	4	0.34	2.92
Lightning Ck	02/22/99	OK121510-01-0130M	17118	Riffle	CIP	99	8	513.33	6.41	5.26	0.33	0.05	0.00	0.94	0.77	0.12	0.59	0.10	1	0.70	1.62

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Lightning Ck	02/22/99	OK121510-01-0130M	17118	Woody	CIP	137	8	109.60	6.24	4.92	0.00	0.02	0.00	0.98	0.88	0.10	0.52	0.10	2	0.77	1.27
Lightning Ck	01/13/00	OK121510-01-0130M	17286	Riffle	CIP	102	9	1464.62	5.76	4.79	0.00	0.32	0.01	0.63	0.57	0.12	0.89	0.08	4	0.55	1.69
Lightning Ck	01/13/00	OK121510-01-0130M	17286	Woody	CIP	103	8	51.50	5.61	4.77	0.00	0.18	0.02	0.78	0.74	0.08	0.88	0.07	3	0.73	1.46
Lightning Ck	07/18/00	OK121510-01-0130M	19050	Riffle	CIP	143	12	1067.73	4.60	5.62	0.12	0.44	0.00	0.38	0.20	0.57	0.86	0.27	3	0.39	2.80
California Ck	02/22/99	OK121510-02-0050C	17121	Riffle	CIP	82	15	242.96	5.40	4.84	0.00	0.22	0.02	0.49	0.37	0.38	0.78	0.22	6	0.30	3.11
California Ck	08/03/99	OK121510-02-0050C	19262	Riffle	CIP	97	14	226.33	4.67	4.56	0.01	0.52	0.00	0.37	0.33	0.53	0.77	0.37	6	0.32	2.85
California Ck	01/07/00	OK121510-02-0050C	18327	Riffle	CIP	111	12	3315.20	5.23	4.86	0.00	0.66	0.05	0.11	0.09	0.62	0.94	0.14	4	0.66	1.93
California Ck	07/18/00	OK121510-02-0050C	19052	Riffle	CIP	120	18	1493.33	4.88	5.24	0.10	0.30	0.00	0.33	0.24	0.44	0.62	0.19	8	0.25	3.44
Snow Ck	02/22/99	OK121510-02-0250F	17119	Riffle	CIP	112	11	580.74	5.79	4.55	0.00	0.10	0.03	0.79	0.76	0.12	0.67	0.11	4	0.70	1.72
Snow Ck	01/05/00	OK121510-02-0250F	17280	Riffle	CIP	110	6	256.67	6.69	6.39	0.00	0.18	0.05	0.72	0.14	0.40	1.00	0.09	2	0.58	1.76
Big Ck	02/22/99	OK121510-03-0010G	17120	Riffle	CIP	98	16	406.52	4.24	4.01	0.33	0.05	0.04	0.44	0.37	0.62	0.89	0.59	10	0.29	3.28
Big Ck	01/13/00	OK121510-03-0010G	17287	Riffle	CIP	113	12	3013.33	5.12	5.04	0.01	0.63	0.11	0.09	0.04	0.80	1.00	0.18	4	0.62	2.11
Big Ck	01/13/00	OK121510-03-0010G	17287	Woody	CIP	77	7	172.48	5.68	4.75	0.00	0.43	0.05	0.49	0.48	0.10	1.00	0.05	2	0.47	1.61
Big Ck	07/18/00	OK121510-03-0010G	19051	Riffle	CIP	164	10	3061.33	4.60	5.61	0.00	0.66	0.00	0.21	0.21	0.32	0.55	0.10	3	0.57	2.17
Fourteenmile Ck	02/16/99	OK121600-01-0100C	17102	Riffle	CIP	110	20	456.30	5.60	4.24	0.23	0.20	0.00	0.61	0.51	0.46	0.62	0.44	12	0.26	3.55
Fourteenmile Ck	01/10/00	OK121600-01-0100C	18255	Riffle	CIP	150	12	1866.67	5.77	4.31	0.16	0.33	0.00	0.53	0.53	0.44	0.90	0.41	5	0.28	2.96
Fourteenmile Ck	01/10/00	OK121600-01-0100C	18255	Woody	CIP	145	12	541.33	6.07	4.79	0.50	0.03	0.00	0.96	0.90	0.04	0.45	0.03	4	0.73	1.57
Fourteenmile Ck	07/20/00	OK121600-01-0100C	19236	Riffle	CIP	96	19	1433.60	5.67	5.01	0.06	0.17	0.00	0.71	0.51	0.38	0.67	0.31	8	0.16	3.71
Fourteenmile Ck	07/20/00	OK121600-01-0100C	19236	Woody	CIP	98	11	609.78	6.00	5.20	0.00	0.51	0.00	0.45	0.40	0.11	0.28	0.05	2	0.45	2.43
Chouteau Ck	02/16/99	OK121600-01-0430M	17104	Riffle	CIP	143	16	593.19	6.23	5.28	0.00	0.01	0.00	0.87	0.68	0.20	0.57	0.17	5	0.48	2.69
Chouteau Ck	01/10/00	OK121600-01-0430M	18254	Riffle	CIP	110	13	2737.78	8.26	7.09	0.00	0.00	0.00	0.97	0.42	0.08	0.18	0.04	1	0.36	2.71
Chouteau Ck	07/10/00	OK121600-01-0430M	19056	Riffle	CIP	98	22	166.30	6.11	5.90	0.20	0.08	0.00	0.61	0.30	0.56	0.86	0.38	7	0.13	3.86
Horse Ck	07/20/99	OK121600-03-0160G	17263	Riffle	CIP	130	11	606.67	5.85	5.80	0.00	0.42	0.00	0.55	0.52	0.03	0.05	0.02	2	0.39	2.13
Horse Ck	01/07/00	OK121600-03-0160G	17283	Riffle	CIP	114	11	945.78	6.12	5.26	0.00	0.32	0.02	0.46	0.42	0.27	0.58	0.16	3	0.32	2.55
Horse Ck	01/07/00	OK121600-03-0160G	17283	Vegetation	CIP	66	14	924.00	6.98	6.30	0.17	0.09	0.00	0.83	0.42	0.20	0.70	0.11	2	0.30	2.94
Horse Ck	07/11/00	OK121600-03-0160G	19063	Riffle	CIP	129	12	4816.00	6.81	5.90	0.00	0.37	0.00	0.59	0.49	0.05	0.06	0.02	1	0.34	2.60
Fly Ck	07/19/99	OK121600-03-0180D	13426	Riffle	CIP	120	18	560.00	4.46	5.00	0.04	0.40	0.02	0.48	0.19	0.71	0.98	0.47	6	0.28	3.15
Fly Ck	01/07/00	OK121600-03-0180D	17282	Riffle	CIP	111	18	767.41	5.61	5.44	0.00	0.09	0.11	0.54	0.32	0.56	0.90	0.40	5	0.19	3.67
Fly Ck	07/11/00	OK121600-03-0180D	19064	Riffle	CIP	136	19	380.80	4.80	4.69	0.46	0.18	0.02	0.42	0.24	0.59	0.78	0.35	7	0.16	3.71
Little Horse Ck	01/07/00	OK121600-03-0190A	17284	Riffle	CIP	105	6	3136.00	6.63	6.26	0.00	0.44	0.00	0.48	0.06	0.25	1.00	0.02	1	0.44	1.69
Little Horse Ck	01/07/00	OK121600-03-0190A	17284	Woody	CIP	62	7	17.71	6.60	5.87	0.00	0.03	0.02	0.89	0.44	0.13	0.57	0.06	1	0.45	1.87
Hudson Ck	01/07/00	OK121600-04-0040G	17285	Woody	CIP	108	7	252.00	6.14	5.36	0.00	0.81	0.01	0.18	0.11	0.00	0.00	0.00	0	0.81	1.07
Cow Ck	01/21/00	OK121600-04-0130G	17289	Riffle	CIP	127	2	14588.72	6.03	5.32	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.98	0.12
Cow Ck	01/21/00	OK121600-04-0130G	17289	Woody	CIP	118	3	5286.40	6.02	5.28	0.00	0.97	0.00	0.03	0.03	0.00	0.00	0.00	0	0.97	0.19
Fourmile Ck	01/21/00	OK121600-04-0170G	17290	Riffle	CIP	117	4	11648.00	6.05	5.24	0.00	0.85	0.00	0.15	0.14	0.00	0.00	0.00	0	0.85	0.71
Fourmile Ck	01/21/00	OK121600-04-0170G	17290	Woody	CIP	118	4	1321.60	6.03	5.29	0.00	0.96	0.00	0.04	0.03	0.00	0.00	0.00	0	0.96	0.31
Fourmile Ck	07/17/00	OK121600-04-0170G	19071	Riffle	CIP	107	10	665.78	5.99	5.65	0.00	0.23	0.00	0.73	0.70	0.05	0.16	0.04	3	0.26	2.66
Russell Ck	01/05/00	OK121600-04-0200G	17278	Riffle	CIP	102	15	432.73	4.98	4.94	0.05	0.43	0.12	0.27	0.09	0.81	1.00	0.37	4	0.40	2.84
Russell Ck	07/17/00	OK121600-04-0200G	19073	Riffle	CIP	127	16	431.03	5.73	5.43	0.00	0.10	0.00	0.69	0.57	0.26	0.66	0.20	5	0.35	3.13
Bull Ck	02/22/99	OK121600-06-0200G	17123	Riffle	CIP	113	10	703.11	7.91	6.28	0.00	0.00	0.00	0.99	0.73	0.00	0.00	0.00	0	0.56	2.17
Bull Ck	02/22/99	OK121600-06-0200G	17123	Woody	CIP	109	11	55.49	7.65	6.49	1.00	0.03	0.00	0.96	0.66	0.00	0.00	0.00	0	0.44	2.52
Bull Ck	01/05/00	OK121600-06-0200G	17276	Riffle	CIP	107	10	665.78	8.88	8.18	0.00	0.00	0.00	0.93	0.11	0.14	1.00	0.02	1	0.60	2.02

Appendix H. Macroinvertebrate metrics calculated for Task 110 intensive sites. (*metric used for site evaluation and ranking).

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Bull Ck	01/05/00	OK121600-06-0200G	17276	Woody	CIP	58*	13	30.07	6.74	5.42	0.00	0.07	0.00	0.88	0.76	0.04	0.10	0.03	2	0.36	2.65
Bull Ck	07/18/00	OK121600-06-0200G	19048	Riffle	CIP	162	9	1008.00	8.06	6.29	1.00	0.01	0.00	0.99	0.84	0.02	0.02	0.02	1	0.80	1.22
PawPaw Ck	02/22/99	OK121600-06-0240G	17122	Riffle	CIP	112	18	220.07	4.88	4.35	0.00	0.04	0.04	0.64	0.61	0.27	0.81	0.22	8	0.53	2.63
PawPaw Ck	01/05/00	OK121600-06-0240G	17277	Riffle	CIP	63	16	344.62	3.08	3.85	0.00	0.00	0.27	0.25	0.13	0.80	0.97	0.52	3	0.25	3.16
PawPaw Ck	01/05/00	OK121600-06-0240G	17277	Woody	CIP	37*	8	29.60	4.68	3.96	0.00	0.00	0.16	0.73	0.68	0.26	1.00	0.24	2	0.62	1.87
PawPaw Ck	07/18/00	OK121600-06-0240G	19049	Riffle	CIP	118	9	881.07	5.70	5.54	0.01	0.40	0.00	0.47	0.47	0.17	0.18	0.09	2	0.42	2.11
Warren Branch Ck	07/28/99	OK121600-07-0050G	17554	Riffle	CIP	128	18	1470.36	6.02	5.29	0.06	0.20	0.00	0.78	0.59	0.17	0.45	0.12	6	0.37	3.11
Warren Branch Ck	01/18/00	OK121600-07-0050G	17288	Riffle	CIP	138	12	4293.33	4.38	5.87	0.01	0.78	0.00	0.21	0.08	0.61	0.94	0.12	3	0.74	1.60
Warren Branch Ck	07/17/00	OK121600-07-0050G	19067	Riffle	CIP	282*	17	1974.00	6.02	4.74	0.86	0.01	0.00	0.94	0.88	0.08	0.48	0.08	8	0.48	2.38
Fivemile Ck	07/27/99	OK121600-07-0110G	17553	Riffle	CIP	128	9	1470.36	6.73	5.23	0.00	0.09	0.00	0.91	0.88	0.07	0.13	0.07	4	0.48	2.18
Fivemile Ck	01/21/00	OK121600-07-0110G	17291	Riffle	CIP	102	13	1904.00	5.40	4.89	0.00	0.43	0.00	0.49	0.15	0.79	1.00	0.55	7	0.19	3.22
Fivemile Ck	01/21/00	OK121600-07-0110G	17291	Woody	CIP	98	18	124.73	5.79	4.99	0.07	0.14	0.00	0.73	0.57	0.23	0.77	0.17	7	0.43	3.03
Fivemile Ck	07/17/00	OK121600-07-0110G	19069	Riffle	CIP	161	17	333.93	5.65	4.64	0.04	0.35	0.00	0.57	0.48	0.44	0.87	0.38	8	0.37	3.18
Little Fivemile Ck	07/27/99	OK121600-07-0120D	17552	Riffle	CIP	133	23	584.16	5.12	5.08	0.18	0.17	0.01	0.59	0.29	0.54	0.74	0.35	7	0.24	3.69
Little Fivemile Ck	01/21/00	OK121600-07-0120D	17292	Riffle	CIP	101	20	685.58	4.72	4.11	0.51	0.45	0.01	0.37	0.19	0.67	1.00	0.39	9	0.19	3.56
Little Fivemile Ck	01/21/00	OK121600-07-0120D	17292	Vegetation	CIP	98	15	243.91	6.60	6.44	0.50	0.08	0.00	0.82	0.16	0.57	0.95	0.21	6	0.40	2.88
Little Fivemile Ck	07/17/00	OK121600-07-0120D	19068	Riffle	CIP	168	22	2090.67	5.45	4.97	0.32	0.25	0.02	0.63	0.44	0.39	0.64	0.29	8	0.16	3.71
Pryor Ck	01/10/00	OK121610-00-0090N	18252	Woody	CIP	84	10	32.67	6.57	5.38	0.00	0.00	0.00	0.99	0.71	0.13	0.69	0.11	3	0.64	1.94
Pryor Ck	07/10/00	OK121610-00-0090N	19055	Woody	CIP	110	11	171.11	6.37	5.19	0.33	0.03	0.00	0.89	0.80	0.19	0.34	0.18	6	0.35	2.43
Candy Ck: Site # 1	07/13/00	OK121300-02-0080G	21449	Riffle	COTP	115	12	3434.67	4.10	5.09	0.00	0.63	0.00	0.06	0.03	0.92	0.92	0.30	5	0.35	2.55
Candy Ck: Site # 1	07/13/00	OK121300-02-0080G	21449	Woody	COTP	82	11	42.52	6.39	5.39	0.00	0.17	0.00	0.78	0.77	0.09	0.18	0.07	4	0.33	2.61
Bird Ck	02/25/99	OK121300-03-0010A	17136	Vegetation	COTP	91	7	254.80	5.93	4.68	0.00	0.20	0.00	0.76	0.75	0.06	1.00	0.04	2	0.71	1.31
Bird Ck	08/03/99	OK121300-03-0010A	19264	Riffle	COTP	96	9	224.00	4.48	4.66	0.01	0.78	0.00	0.19	0.17	0.81	0.91	0.71	4	0.67	1.77
Bird Ck	01/05/00	OK121300-03-0010A	18324	Riffle	COTP	145	15	3608.89	5.66	5.27	0.01	0.77	0.00	0.17	0.10	0.59	0.87	0.14	4	0.63	2.20
Bird Ck	01/05/00	OK121300-03-0010A	18324	Vegetation	COTP	99	11	275.00	6.08	5.30	0.00	0.79	0.01	0.19	0.14	0.33	1.00	0.07	4	0.71	1.70
Bird Ck	07/13/00	OK121300-03-0010A	21450	Riffle	COTP	128	20	265.48	5.57	5.04	0.04	0.43	0.00	0.47	0.42	0.46	0.56	0.36	8	0.28	3.20
Bird Ck	07/13/00	OK121300-03-0010A	21450	Woody	COTP	123	10	275.52	4.92	4.85	0.01	0.68	0.00	0.30	0.30	0.62	0.77	0.50	2	0.49	2.09
Clear Ck	02/24/99	OK121300-03-0200C	17133	Riffle	COTP	106	13	565.33	5.52	4.78	0.00	0.08	0.00	0.58	0.51	0.31	0.77	0.23	6	0.44	2.57
Clear Ck	08/02/99	OK121300-03-0200C	19270	Riffle	COTP	135	20	210.00	5.11	4.80	0.03	0.44	0.00	0.36	0.30	0.58	0.66	0.41	9	0.24	3.45
Clear Ck	01/04/00	OK121300-03-0200C	18319	Riffle	COTP	97	17	402.37	5.12	4.54	0.03	0.37	0.06	0.27	0.15	0.78	0.96	0.55	8	0.26	3.24
Clear Ck	07/17/00	OK121300-03-0200C	21456	Riffle	COTP	110	15	285.19	4.77	4.64	0.05	0.58	0.00	0.28	0.25	0.68	0.71	0.54	5	0.45	2.64
Clear Ck	07/17/00	OK121300-03-0200C	21456	Woody	COTP	104	17	38.83	5.15	4.59	0.37	0.09	0.00	0.56	0.39	0.54	0.78	0.47	7	0.28	3.28
Buck Ck	02/25/99	OK121400-04-0050C	17134	Vegetation	COTP	61	9	122.00	5.77	4.90	0.00	0.38	0.00	0.48	0.44	0.18	0.86	0.10	2	0.43	2.05
Buck Ck	08/03/99	OK121400-04-0050C	19265	Riffle	COTP	89	12	207.67	5.11	4.92	0.02	0.24	0.00	0.37	0.37	0.39	0.55	0.24	5	0.22	3.08
Buck Ck	01/05/00	OK121400-04-0050C	19197	Riffle	COTP	122	9	650.67	5.93	5.16	0.00	0.70	0.00	0.27	0.26	0.14	1.00	0.04	3	0.65	1.63
Buck Ck	07/18/00	OK121400-04-0050C	21462	Riffle	COTP	181*	17	563.11	5.18	5.34	0.01	0.47	0.00	0.45	0.34	0.43	0.57	0.25	6	0.30	3.10
Mill Ck: Trib. To Eufaula	02/18/99	OK220600-01-0100P	17163	Riffle	COTP	114	18	945.78	4.65	4.97	0.00	0.11	0.02	0.30	0.18	0.68	0.77	0.39	8	0.27	3.51
Mill Ck: Trib. To Eufaula	02/18/99	OK220600-01-0100P	17163	Vegetation	COTP	99	28	102.38	5.49	5.60	0.09	0.06	0.07	0.49	0.21	0.63	0.85	0.35	9	0.09	4.40
Mill Ck: Trib. To Eufaula	02/18/99	OK220600-01-0100P	17163	Woody	COTP	108	13	48.23	5.05	4.53	0.00	0.44	0.02	0.17	0.16	0.71	0.79	0.39	7	0.40	2.78
Mill Ck: Trib. To Eufaula	07/29/99	OK220600-01-0100P	18273	Riffle	COTP	130	7	12942.22	4.37	5.18	0.00	0.76	0.00	0.17	0.16	0.63	0.67	0.27	2	0.50	1.90
Mill Ck: Trib. To Eufaula	01/12/00	OK220600-01-0100P	18154	Riffle	COTP	139	13	1482.67	4.42	5.15	0.00	0.27	0.03	0.16	0.15	0.43	0.67	0.12	3	0.47	2.43
Mill Ck: Trib. To Eufaula	01/12/00	OK220600-01-0100P	18154	Vegetation	COTP	127	27	246.94	5.46	5.61	0.08	0.28	0.09	0.41	0.23	0.42	0.84	0.17	8	0.18	3.81

Appendix H. Macroinvertebrate metrics calculated for Task 110 intensive sites. (*metric used for site evaluation and ranking).

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Mill Ck: Trib. To Eufaula	01/12/00	OK220600-01-0100P	18154	Woody	COTP	93	20	43.40	5.41	5.20	0.12	0.22	0.09	0.55	0.43	0.29	0.70	0.17	3	0.30	3.60
Peaceable Ck	02/17/99	OK220600-03-0050M	17157	Riffle	COTP	119	12	555.33	5.87	4.97	0.00	0.49	0.00	0.34	0.33	0.28	0.38	0.13	4	0.49	2.39
Peaceable Ck	02/17/99	OK220600-03-0050M	17157	Vegetation	COTP	98	10	225.84	5.76	4.71	0.00	0.44	0.01	0.38	0.37	0.33	0.49	0.18	4	0.44	2.33
Peaceable Ck	08/02/99	OK220600-03-0050M	20343	Riffle	COTP	132	11	8213.33	4.26	5.60	0.00	0.72	0.01	0.12	0.12	0.47	0.70	0.11	2	0.61	2.11
Peaceable Ck	08/02/99	OK220600-03-0050M	20343	Woody	COTP	114	14	483.64	4.43	5.68	0.01	0.66	0.00	0.21	0.18	0.34	0.79	0.10	5	0.59	2.24
Peaceable Ck	01/12/00	OK220600-03-0050M	18148	Riffle	COTP	118	12	1468.44	5.51	5.17	0.01	0.55	0.02	0.20	0.17	0.17	0.57	0.03	2	0.52	2.16
Peaceable Ck	01/12/00	OK220600-03-0050M	18148	Vegetation	COTP	108	9	268.80	6.12	5.21	0.01	0.70	0.00	0.28	0.26	0.03	0.25	0.01	1	0.69	1.38
Peaceable Ck	07/10/00	OK220600-03-0050M	19012	Woody	COTP	125	14	87.50	5.82	5.34	0.01	0.36	0.00	0.60	0.54	0.13	0.29	0.08	5	0.30	2.74
Peaceable Ck	07/10/00	OK220600-03-0050M	19012	Riffle	COTP	176*	17	1693.47	4.87	6.00	0.00	0.72	0.00	0.24	0.20	0.22	0.27	0.06	5	0.68	1.82
Peaceable Ck	07/10/00	OK220600-03-0050M	19012	Vegetation	COTP	181*	10	168.93	5.45	5.46	0.00	0.67	0.00	0.32	0.24	0.25	0.41	0.08	4	0.36	2.36
Glasses Ck	02/07/99	OK310800-01-0020M	17177	Riffle	COTP	123	16	4373.33	6.28	5.53	0.13	0.19	0.00	0.63	0.51	0.17	0.24	0.11	3	0.33	3.10
Glasses Ck	02/07/99	OK310800-01-0020M	17177	Vegetation	COTP	129	12	267.56	6.64	5.51	0.05	0.15	0.00	0.85	0.67	0.19	0.38	0.16	2	0.38	2.43
Glasses Ck	07/27/99	OK310800-01-0020M	18279	Riffle	COTP	124	14	1590.84	4.44	5.20	0.01	0.71	0.00	0.18	0.15	0.67	0.75	0.31	2	0.41	2.47
Glasses Ck	01/06/00	OK310800-01-0020M	18161	Riffle	COTP	128	12	477.87	6.42	5.67	0.00	0.45	0.00	0.49	0.31	0.05	0.25	0.02	1	0.45	2.38
Glasses Ck	01/06/00	OK310800-01-0020M	18161	Vegetation	COTP	104	11	97.07	6.53	5.82	0.00	0.28	0.00	0.71	0.43	0.06	0.38	0.03	2	0.27	2.55
Glasses Ck	07/13/00	OK310800-01-0020M	19045	Riffle	COTP	125	11	933.33	5.28	5.69	0.00	0.35	0.00	0.38	0.36	0.00	0.00	0.00	0	0.33	2.52
Oil Ck	02/07/99	OK310800-01-0240P	17178	Riffle	COTP	118	25	2447.41	5.09	5.02	0.48	0.10	0.00	0.60	0.34	0.53	0.79	0.39	10	0.15	3.94
Oil Ck	02/07/99	OK310800-01-0240P	17178	Vegetation	COTP	110	19	1095.11	5.82	5.08	0.10	0.19	0.00	0.75	0.52	0.30	0.63	0.22	7	0.23	3.45
Oil Ck	02/07/99	OK310800-01-0240P	17178	Woody	COTP	119	15	668.07	5.59	5.07	0.03	0.46	0.00	0.50	0.28	0.46	0.88	0.24	5	0.44	2.74
Oil Ck	07/28/99	OK310800-01-0240P	18267	Riffle	COTP	121	21	322.67	5.16	4.58	0.11	0.15	0.00	0.46	0.40	0.38	0.60	0.25	8	0.20	3.56
Oil Ck	07/28/99	OK310800-01-0240P	18267	Woody	COTP	89	17	615.31	4.16	4.30	0.20	0.59	0.00	0.23	0.10	0.79	0.94	0.37	6	0.24	3.42
Oil Ck	01/06/00	OK310800-01-0240P	18163	Riffle	COTP	119	21	1269.33	5.58	5.16	0.07	0.19	0.00	0.66	0.51	0.35	0.75	0.28	9	0.19	3.76
Oil Ck	01/06/00	OK310800-01-0240P	18163	Woody	COTP	108	19	86.15	5.51	5.35	0.14	0.23	0.00	0.59	0.37	0.52	0.72	0.41	8	0.16	3.66
Oil Ck	07/13/00	OK310800-01-0240P	19047	Riffle	COTP	121	14	1806.93	4.65	5.37	0.00	0.40	0.00	0.19	0.15	0.45	0.54	0.12	4	0.38	2.52
Oil Ck	07/13/00	OK310800-01-0240P	19047	Vegetation	COTP	120	20	147.37	5.16	5.41	0.02	0.38	0.00	0.48	0.21	0.56	0.59	0.27	9	0.25	3.46
Oil Ck	07/13/00	OK310800-01-0240P	19047	Woody	COTP	111	16	44.40	5.23	4.80	0.00	0.29	0.00	0.60	0.30	0.23	0.28	0.09	5	0.23	3.00
Sand Branch Ck	02/07/99	OK310800-02-0040C	17175	Riffle	COTP	106	11	183.21	2.87	3.65	0.00	0.03	0.53	0.25	0.19	0.75	1.00	0.58	4	0.51	2.26
Sand Branch Ck	02/07/99	OK310800-02-0040C	17175	Vegetation	COTP	94	16	76.96	5.97	5.24	0.00	0.00	0.04	0.90	0.67	0.21	0.85	0.18	4	0.40	2.93
Sand Branch Ck	02/07/99	OK310800-02-0040C	17175	Woody	COTP	84	13	41.81	5.98	4.95	0.00	0.20	0.08	0.68	0.64	0.11	0.28	0.08	3	0.35	2.67
Sand Branch Ck	01/06/00	OK310800-02-0040C	18162	Riffle	COTP	122	6	316.30	5.30	4.33	1.00	0.02	0.15	0.83	0.80	0.16	0.90	0.15	1	0.79	1.06
Sand Branch Ck	01/06/00	OK310800-02-0040C	18162	Woody	COTP	12*	5	23.33	5.92	6.02	1.00	0.42	0.08	0.50	0.50	0.14	1.00	0.08	1	0.50	1.96
Chigley Sandy Ck	02/08/99	OK310800-02-0190K	17174	Vegetation	COTP	69	17	257.60	5.52	5.25	0.52	0.15	0.06	0.75	0.48	0.38	0.91	0.29	5	0.33	3.29
Chigley Sandy Ck	02/08/99	OK310800-02-0190K	17174	Woody	COTP	48*	16	162.91	5.63	5.91	0.85	0.14	0.04	0.70	0.35	0.39	0.79	0.23	4	0.23	3.44
Chigley Sandy Ck	07/28/99	OK310800-02-0190K	18266	Vegetation	COTP	96	13	271.52	6.85	6.17	0.83	0.06	0.00	0.79	0.44	0.25	0.56	0.15	3	0.31	2.94
Chigley Sandy Ck	07/28/99	OK310800-02-0190K	18266	Woody	COTP	86	19	89.19	6.69	5.89	0.00	0.00	0.02	0.83	0.63	0.22	0.33	0.17	5	0.36	3.14
Chigley Sandy Ck	01/06/00	OK310800-02-0190K	18164	Riffle	COTP	159	17	706.67	5.64	4.81	0.20	0.03	0.04	0.87	0.74	0.16	0.77	0.14	6	0.43	2.80
Chigley Sandy Ck	01/06/00	OK310800-02-0190K	18164	Vegetation	COTP	109	18	260.85	5.94	5.43	0.67	0.03	0.01	0.89	0.53	0.42	0.89	0.39	7	0.31	3.09
Dumpling Ck	02/16/99	OK410300-03-0210C	17152	Riffle	COTP	99	19	821.33	4.59	4.42	0.00	0.11	0.00	0.35	0.10	0.83	0.89	0.51	8	0.33	3.24
Dumpling Ck	02/16/99	OK410300-03-0210C	17152	Vegetation	COTP	94	15	121.85	4.84	4.52	0.20	0.03	0.00	0.47	0.18	0.73	0.80	0.48	5	0.41	2.51
Dumpling Ck	02/16/99	OK410300-03-0210C	17152	Woody	COTP	81	13	60.48	3.65	3.17	0.05	0.12	0.00	0.22	0.10	0.87	0.92	0.68	5	0.63	2.15
Dumpling Ck	07/27/99	OK410300-03-0210C	18282	Riffle	COTP	117	16	647.11	4.53	5.32	0.00	0.56	0.00	0.26	0.21	0.53	0.74	0.24	5	0.44	2.91
Dumpling Ck	07/27/99	OK410300-03-0210C	18282	Vegetation	COTP	106	14	169.12	4.61	4.84	0.00	0.45	0.00	0.33	0.26	0.61	0.83	0.42	6	0.24	3.18

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Dumpling Ck	07/27/99	OK410300-03-0210C	18282	Woody	COTP	100	19	65.50	4.71	5.35	0.00	0.32	0.01	0.32	0.24	0.48	0.71	0.22	5	0.19	3.50
Dumpling Ck	01/05/00	OK410300-03-0210C	18157	Riffle	COTP	111	15	863.33	5.11	5.06	0.04	0.76	0.00	0.08	0.03	0.86	1.00	0.16	3	0.54	2.52
Dumpling Ck	01/05/00	OK410300-03-0210C	18157	Vegetation	COTP	120	16	228.57	5.97	5.87	0.00	0.35	0.03	0.44	0.11	0.55	0.80	0.13	6	0.31	3.07
Dumpling Ck	07/19/00	OK410300-03-0210C	19031	Riffle	COTP	142	15	1325.33	4.86	5.82	0.00	0.48	0.00	0.30	0.20	0.38	0.59	0.12	4	0.42	2.97
Dumpling Ck	07/19/00	OK410300-03-0210C	19031	Vegetation	COTP	121	18	161.33	5.42	5.51	0.10	0.17	0.00	0.54	0.26	0.58	0.96	0.36	7	0.25	3.25
Dumpling Ck	07/19/00	OK410300-03-0210C	19031	Woody	COTP	116	20	64.96	5.66	5.31	0.06	0.16	0.00	0.69	0.53	0.28	0.56	0.21	8	0.26	3.45
Tenmile Ck	02/16/99	OK410300-03-0270M	17151	Riffle	COTP	115	15	2385.19	6.10	5.14	0.03	0.25	0.00	0.50	0.49	0.20	0.24	0.12	6	0.39	2.69
Tenmile Ck	02/16/99	OK410300-03-0270M	17151	Vegetation	COTP	83	20	116.49	5.67	5.06	0.00	0.12	0.06	0.59	0.30	0.51	0.68	0.31	8	0.19	3.63
Tenmile Ck	02/16/99	OK410300-03-0270M	17151	Woody	COTP	97	15	92.38	5.02	4.26	0.00	0.20	0.01	0.46	0.43	0.41	0.71	0.30	7	0.27	3.31
Tenmile Ck	07/27/99	OK410300-03-0270M	18281	Riffle	COTP	196*	21	628.64	4.61	5.14	0.00	0.34	0.05	0.28	0.21	0.43	0.72	0.16	7	0.26	3.26
Tenmile Ck	01/05/00	OK410300-03-0270M	18158	Riffle	COTP	102	6	1586.67	5.78	5.27	0.01	0.92	0.01	0.01	0.00	1.00	1.00	0.02	2	0.91	0.60
Tenmile Ck	01/05/00	OK410300-03-0270M	18158	Vegetation	COTP	106	3	1582.93	6.02	5.34	0.01	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.98	0.15
Tenmile Ck	07/19/00	OK410300-03-0270M	19029	Riffle	COTP	108	13	672.00	4.47	5.98	0.00	0.82	0.00	0.14	0.11	0.29	0.42	0.05	2	0.73	1.71
Eastman Ck	02/07/99	OK410700-00-0230D	17179	Riffle	COTP	122	24	669.80	5.12	5.00	0.28	0.20	0.00	0.52	0.38	0.45	0.93	0.31	8	0.27	3.79
Eastman Ck	02/07/99	OK410700-00-0230D	17179	Vegetation	COTP	135	22	458.18	5.84	5.65	0.26	0.07	0.00	0.79	0.53	0.32	0.87	0.24	7	0.28	3.54
Eastman Ck	02/07/99	OK410700-00-0230D	17179	Woody	COTP	116	25	372.05	5.41	5.15	0.33	0.13	0.02	0.66	0.34	0.59	0.95	0.50	11	0.24	3.57
Eastman Ck	07/27/99	OK410700-00-0230D	18280	Riffle	COTP	108	16	474.35	4.43	6.26	0.07	0.38	0.00	0.35	0.20	0.50	0.85	0.20	5	0.34	3.14
Eastman Ck	07/27/99	OK410700-00-0230D	18280	Vegetation	COTP	88	25	182.52	6.00	6.46	0.29	0.10	0.03	0.59	0.24	0.59	0.79	0.34	4	0.24	3.84
Eastman Ck	07/27/99	OK410700-00-0230D	18280	Woody	COTP	83	21	211.27	5.45	5.38	0.35	0.28	0.00	0.59	0.39	0.38	0.65	0.24	7	0.17	3.93
Eastman Ck	01/06/00	OK410700-00-0230D	18160	Riffle	COTP	101	18	483.42	4.56	4.60	0.08	0.36	0.00	0.42	0.30	0.55	0.90	0.37	7	0.24	3.48
Eastman Ck	01/06/00	OK410700-00-0230D	18160	Vegetation	COTP	96	12	112.00	5.83	5.33	0.05	0.11	0.00	0.86	0.78	0.07	0.50	0.06	3	0.36	2.70
Eastman Ck	07/13/00	OK410700-00-0230D	19044	Vegetation	COTP	110	11	821.33	7.39	7.05	0.29	0.06	0.00	0.92	0.27	0.06	0.13	0.02	1	0.62	2.04
Eastman Ck	07/13/00	OK410700-00-0230D	19044	Woody	COTP	112	14	313.60	4.80	5.98	0.03	0.67	0.00	0.29	0.20	0.31	0.48	0.09	4	0.65	2.03
Eastman Ck	07/13/00	OK410700-00-0230D	19044	Riffle	COTP	181*	14	1351.47	4.40	6.12	0.00	0.77	0.00	0.18	0.15	0.18	0.38	0.03	3	0.76	1.53
Wewoka Ck	02/23/99	OK520500-02-0010E	17140	Riffle	COTP	90	13	175.00	6.76	5.80	0.07	0.24	0.00	0.72	0.51	0.10	0.20	0.06	3	0.22	3.12
Wewoka Ck	02/23/99	OK520500-02-0010E	17140	Woody	COTP	118	10	55.07	6.10	5.05	0.00	0.07	0.00	0.81	0.77	0.02	0.09	0.02	2	0.53	2.15
Wewoka Ck	07/29/99	OK520500-02-0010E	18272	Riffle	COTP	129	12	1376.00	4.72	5.00	0.02	0.78	0.00	0.09	0.05	0.88	0.92	0.36	7	0.47	2.45
Wewoka Ck	07/29/99	OK520500-02-0010E	18272	Woody	COTP	117	16	173.33	4.98	4.60	0.02	0.53	0.00	0.32	0.27	0.64	0.81	0.49	7	0.23	3.39
Wewoka Ck	01/18/00	OK520500-02-0010E	18124	Riffle	COTP	107	18	166.44	5.70	5.31	0.00	0.26	0.00	0.43	0.36	0.24	0.60	0.11	4	0.21	3.50
Wewoka Ck	07/18/00	OK520500-02-0010E	19004	Riffle	COTP	100	14	574.36	5.60	4.39	0.02	0.84	0.00	0.13	0.09	0.87	0.91	0.60	7	0.41	2.60
Wewoka Ck	02/23/99	OK520500-02-0010T	17138	Riffle	COTP	101	8	1005.51	6.08	4.94	0.00	0.28	0.00	0.71	0.66	0.01	0.25	0.01	1	0.63	1.50
Wewoka Ck	07/29/99	OK520500-02-0010T	18271	Riffle	COTP	101	7	2394.07	5.74	5.88	0.00	0.48	0.00	0.50	0.50	0.00	0.00	0.00	0	0.48	1.81
Wewoka Ck	07/29/99	OK520500-02-0010T	18271	Woody	COTP	112	11	348.44	7.34	5.80	0.05	0.09	0.00	0.87	0.85	0.03	0.04	0.03	3	0.73	1.55
Wewoka Ck	01/18/00	OK520500-02-0010T	18125	Riffle	COTP	109	14	452.15	7.50	6.42	0.60	0.05	0.00	0.89	0.64	0.00	0.00	0.00	0	0.28	2.98
Wewoka Ck	07/18/00	OK520500-02-0010T	19003	Riffle	COTP	125	6	4666.67	6.96	5.72	0.00	0.17	0.00	0.83	0.82	0.00	0.00	0.00	0	0.65	1.57
Turkey Ck	02/23/99	OK520510-00-0100E	17137	Riffle	COTP	120	5	509.09	6.13	5.01	0.00	0.42	0.00	0.57	0.57	0.00	0.00	0.00	0	0.43	1.65
Turkey Ck	02/23/99	OK520510-00-0100E	17137	Woody	COTP	115	9	64.40	6.30	4.95	0.00	0.17	0.00	0.81	0.79	0.02	0.11	0.02	2	0.63	1.63
Turkey Ck	07/29/99	OK520510-00-0100E	18270	Riffle	COTP	132	9	704.00	5.52	5.82	0.00	0.47	0.00	0.49	0.48	0.07	0.13	0.04	3	0.45	2.18
Turkey Ck	07/29/99	OK520510-00-0100E	18270	Woody	COTP	96	12	193.10	6.38	5.55	0.18	0.18	0.00	0.73	0.69	0.14	0.18	0.11	5	0.52	2.45
Turkey Ck	01/03/00	OK520510-00-0100E	18311	Riffle	COTP	64	11	21.33	7.64	7.17	0.00	0.00	0.00	0.90	0.39	0.07	0.33	0.03	2	0.44	2.26
Factory Ck	02/18/99	OK520600-01-0060P	17164	Riffle	COTP	97	11	282.92	5.24	4.31	0.00	0.01	0.05	0.76	0.74	0.17	0.94	0.15	3	0.68	1.80
Factory Ck	02/18/99	OK520600-01-0060P	17164	Woody	COTP	22*	4	91.26	5.91	4.66	0.00	0.32	0.00	0.59	0.59	0.13	0.40	0.09	1	0.45	1.75

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Factory Ck	07/28/99	OK520600-01-0060P	18264	Riffle	COTP	86	17	185.23	5.12	5.55	0.05	0.43	0.00	0.23	0.16	0.65	0.93	0.30	6	0.21	3.24
Factory Ck	01/07/00	OK520600-01-0060P	18166	Riffle	COTP	118	15	917.78	6.55	6.48	0.43	0.06	0.00	0.86	0.31	0.61	0.98	0.50	3	0.47	2.61
Julian Ck	02/19/99	OK520600-02-0170B	17166	Vegetation	COTP	116	10	144.36	6.74	6.54	0.14	0.06	0.00	0.87	0.29	0.66	0.97	0.56	2	0.55	2.18
Julian Ck	07/28/99	OK520600-02-0170B	18263	Vegetation	COTP	134	7	4446.81	7.25	5.90	1.00	0.04	0.00	0.87	0.77	0.15	0.20	0.13	2	0.53	2.07
Julian Ck	07/28/99	OK520600-02-0170B	18263	Woody	COTP	85	9	320.54	7.15	5.77	0.11	0.11	0.01	0.84	0.79	0.11	0.13	0.09	3	0.64	1.95
Julian Ck	01/07/00	OK520600-02-0170B	18167	Vegetation	COTP	140	11	408.33	6.35	5.81	0.00	0.34	0.01	0.62	0.35	0.42	0.67	0.26	2	0.34	2.50
Julian Ck	01/07/00	OK520600-02-0170B	18167	Woody	COTP	119	11	186.67	6.47	6.01	0.23	0.40	0.01	0.55	0.36	0.34	0.58	0.18	1	0.29	2.78
Julian Ck	07/12/00	OK520600-02-0170B	19033	Vegetation	COTP	136	13	507.73	6.33	5.27	0.20	0.11	0.00	0.83	0.79	0.07	0.17	0.06	2	0.42	2.44
Julian Ck	07/12/00	OK520600-02-0170B	19033	Woody	COTP	109	12	147.98	6.00	5.54	0.00	0.26	0.01	0.68	0.63	0.08	0.15	0.06	3	0.32	2.53
Spring Brook Ck	02/18/99	OK520600-03-0030E	17165	Riffle	COTP	89	10	259.58	6.28	5.12	0.00	0.04	0.00	0.82	0.72	0.12	0.27	0.10	3	0.33	2.58
Spring Brook Ck	02/18/99	OK520600-03-0030E	17165	Vegetation	COTP	80	14	54.11	6.59	5.57	0.00	0.05	0.00	0.86	0.66	0.15	0.33	0.11	4	0.23	3.17
Spring Brook Ck	02/18/99	OK520600-03-0030E	17165	Woody	COTP	133	13	63.66	6.31	5.03	1.00	0.01	0.00	0.83	0.68	0.19	0.41	0.16	4	0.32	2.70
Spring Brook Ck	07/28/99	OK520600-03-0030E	18265	Riffle	COTP	117	17	546.00	4.61	5.29	0.08	0.45	0.00	0.52	0.22	0.63	0.85	0.38	10	0.38	3.01
Spring Brook Ck	07/28/99	OK520600-03-0030E	18265	Woody	COTP	84	14	733.57	5.36	5.11	0.04	0.30	0.00	0.65	0.50	0.31	0.59	0.23	8	0.33	2.76
Spring Brook Ck	01/06/00	OK520600-03-0030E	18165	Woody	COTP	103	12	194.21	5.88	4.76	0.17	0.06	0.00	0.82	0.79	0.16	0.58	0.15	4	0.29	2.68
Spring Brook Ck	07/12/00	OK520600-03-0030E	19035	Riffle	COTP	91	19	57.91	4.24	6.14	0.19	0.32	0.00	0.45	0.16	0.69	0.79	0.36	12	0.25	3.45
Spring Brook Ck	07/12/00	OK520600-03-0030E	19035	Vegetation	COTP	113	19	292.96	5.30	5.66	0.33	0.23	0.00	0.71	0.37	0.50	0.89	0.37	9	0.17	3.61
Spring Brook Ck	07/12/00	OK520600-03-0030E	19035	Woody	COTP	111	22	70.64	5.40	5.63	0.29	0.25	0.00	0.58	0.39	0.47	0.67	0.34	10	0.18	3.81
Captain Ck	02/18/99	OK520700-05-0140C	17111	Riffle	COTP	109	16	581.33	5.74	4.85	0.00	0.28	0.00	0.68	0.47	0.09	0.71	0.05	3	0.43	2.57
Captain Ck	02/18/99	OK520700-05-0140C	17111	Woody	COTP	133	9	37.24	6.06	4.86	0.00	0.31	0.00	0.68	0.67	0.01	0.17	0.01	1	0.60	1.53
Captain Ck	07/29/99	OK520700-05-0140C	18269	Riffle	COTP	149	20	1545.19	6.01	5.44	0.03	0.24	0.00	0.69	0.58	0.25	0.33	0.19	8	0.39	3.05
Captain Ck	07/29/99	OK520700-05-0140C	18269	Woody	COTP	110	11	325.93	7.09	5.49	0.00	0.09	0.00	0.89	0.75	0.22	0.23	0.21	7	0.70	1.77
Captain Ck	01/06/00	OK520700-05-0140C	18326	Riffle	COTP	95	17	295.56	5.93	5.73	0.00	0.18	0.01	0.73	0.45	0.33	0.78	0.22	5	0.16	3.58
Captain Ck	07/18/00	OK520700-05-0140C	18997	Riffle	COTP	130	12	173.33	6.76	5.38	0.00	0.12	0.00	0.85	0.82	0.09	0.12	0.08	4	0.55	2.23
Opossum Ck	02/18/99	OK520700-05-0200C	17112	Riffle	COTP	126	16	746.67	5.71	5.66	0.00	0.23	0.00	0.57	0.39	0.30	0.70	0.17	4	0.21	3.40
Opossum Ck	07/29/99	OK520700-05-0200C	18268	Riffle	COTP	95	16	98.52	5.76	5.43	0.08	0.19	0.00	0.59	0.49	0.28	0.38	0.19	7	0.31	3.24
Opossum Ck	07/29/99	OK520700-05-0200C	18268	Woody	COTP	102	12	81.60	5.12	5.67	0.00	0.68	0.00	0.29	0.25	0.38	0.41	0.16	5	0.50	2.23
Opossum Ck	01/06/00	OK520700-05-0200C	18325	Riffle	COTP	87	9	135.33	5.67	5.13	0.00	0.67	0.00	0.22	0.07	0.78	0.95	0.24	4	0.67	1.78
Opossum Ck	07/18/00	OK520700-05-0200C	18998	Riffle	COTP	130	18	202.22	6.10	5.47	0.24	0.11	0.00	0.79	0.67	0.14	0.41	0.11	6	0.25	3.35
Opossum Ck	07/18/00	OK520700-05-0200C	18998	Woody	COTP	101	14	202.00	6.27	5.43	0.05	0.21	0.00	0.70	0.64	0.20	0.28	0.16	6	0.42	2.83
Little Deep Fork	02/19/99	OK520700-06-0130T	17142	Riffle	COTP	117	11	3276.00	5.66	5.24	0.00	0.82	0.01	0.06	0.06	0.59	0.71	0.09	4	0.82	1.20
Little Deep Fork	02/19/99	OK520700-06-0130T	17142	Woody	COTP	83	7	46.95	6.49	5.28	0.01	0.42	0.00	0.57	0.54	0.06	0.12	0.04	2	0.41	1.90
Little Deep Fork	07/29/99	OK520700-06-0130T	12138	Riffle	COTP	109	12	339.11	5.27	5.31	0.02	0.53	0.00	0.35	0.32	0.50	0.55	0.32	6	0.32	2.63
Little Deep Fork	07/29/99	OK520700-06-0130T	12138	Woody	COTP	119	18	95.20	6.14	5.45	0.02	0.22	0.01	0.59	0.55	0.27	0.35	0.20	4	0.37	2.99
Little Deep Fork	01/03/00	OK520700-06-0130T	17274	Riffle	COTP	98	13	922.35	6.18	5.52	0.01	0.68	0.00	0.29	0.18	0.28	0.54	0.07	3	0.64	2.09
Little Deep Fork	01/03/00	OK520700-06-0130T	17274	Woody	COTP	106	11	197.87	6.38	5.25	0.00	0.40	0.00	0.55	0.53	0.07	0.16	0.04	2	0.40	2.49
Little Deep Fork	07/17/00	OK520700-06-0130T	19011	Riffle	COTP	109	10	184.97	6.75	5.80	0.00	0.27	0.00	0.72	0.72	0.04	0.04	0.03	3	0.63	1.70
Little Deep Fork	07/17/00	OK520700-06-0130T	19011	Woody	COTP	106	15	42.40	6.13	5.31	0.03	0.18	0.00	0.72	0.67	0.15	0.26	0.12	7	0.35	2.64
Elm Ck	02/19/99	OK520810-00-0100C	17169	Riffle	COTP	97	16	1341.23	5.53	4.84	0.00	0.18	0.00	0.63	0.55	0.18	0.75	0.12	4	0.39	3.08
Elm Ck	02/19/99	OK520810-00-0100C	17169	Vegetation	COTP	123	18	120.84	5.79	5.02	0.00	0.24	0.01	0.63	0.53	0.21	0.77	0.14	5	0.39	2.86
Elm Ck	02/19/99	OK520810-00-0100C	17169	Woody	COTP	107	12	192.98	5.75	5.03	0.01	0.63	0.00	0.34	0.24	0.30	0.73	0.10	4	0.59	2.08
Elm Ck	07/28/99	OK520810-00-0100C	18261	Riffle	COTP	116	18	773.33	4.84	5.28	0.04	0.55	0.00	0.33	0.18	0.64	0.69	0.33	7	0.29	3.19

Appendix H. Macroinvertebrate metrics calculated for Task 110 intensive sites. (*metric used for site evaluation and ranking).

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Elm Ck	07/28/99	OK520810-00-0100C	18261	Vegetation	COTP	103	18	640.89	4.60	5.54	0.26	0.30	0.00	0.51	0.12	0.78	0.90	0.42	6	0.29	3.22
Elm Ck	07/28/99	OK520810-00-0100C	18261	Woody	COTP	123	18	874.67	4.90	4.98	0.14	0.36	0.00	0.57	0.24	0.71	0.77	0.59	7	0.21	3.43
Elm Ck	01/07/00	OK520810-00-0100C	18169	Riffle	COTP	124	19	3086.22	5.99	5.48	0.16	0.23	0.00	0.71	0.59	0.10	0.35	0.06	3	0.33	3.20
Elm Ck	01/07/00	OK520810-00-0100C	18169	Vegetation	COTP	108	22	480.00	6.09	5.57	0.30	0.11	0.00	0.75	0.59	0.15	0.73	0.10	3	0.32	3.46
Elm Ck	01/07/00	OK520810-00-0100C	18169	Woody	COTP	97	11	133.14	6.26	4.92	0.14	0.07	0.00	0.93	0.90	0.03	0.15	0.03	2	0.60	2.00
Elm Ck	07/18/00	OK520810-00-0100C	19001	Riffle	COTP	92	21	95.41	5.51	5.48	0.11	0.24	0.00	0.60	0.39	0.28	0.48	0.15	5	0.17	3.66
Elm Ck	07/18/00	OK520810-00-0100C	19001	Vegetation	COTP	81	15	20.25	6.37	6.50	1.00	0.14	0.00	0.75	0.17	0.66	0.73	0.33	4	0.26	3.20
Lagoon Ck	02/19/99	OK620900-01-0180J	17141	Riffle	COTP	108	6	1152.00	6.07	5.09	0.00	0.62	0.00	0.36	0.35	0.00	0.00	0.00	0	0.62	1.29
Lagoon Ck	02/19/99	OK620900-01-0180J	17141	Woody	COTP	110	5	124.70	6.02	4.98	0.00	0.55	0.00	0.43	0.43	0.02	0.33	0.01	1	0.55	1.23
Lagoon Ck	07/29/99	OK620900-01-0180J	12137	Riffle	COTP	99	11	924.00	5.89	5.28	0.00	0.61	0.00	0.37	0.33	0.20	0.36	0.08	3	0.42	2.56
Lagoon Ck	01/03/00	OK620900-01-0180J	17273	Riffle	COTP	109	11	2260.74	5.54	4.97	0.00	0.71	0.01	0.12	0.08	0.72	1.00	0.21	6	0.66	1.78
Lagoon Ck	01/03/00	OK620900-01-0180J	17273	Woody	COTP	105	4	122.50	6.04	5.25	0.00	0.90	0.00	0.10	0.10	0.00	0.00	0.00	0	0.90	0.56
Lagoon Ck	07/11/00	OK620900-01-0180J	19237	Riffle	COTP	138	14	322.00	6.06	5.29	0.02	0.21	0.00	0.63	0.62	0.15	0.30	0.11	5	0.25	3.11
Lagoon Ck	07/11/00	OK620900-01-0180J	19237	Vegetation	COTP	116	16	62.46	7.33	6.45	0.17	0.05	0.00	0.84	0.66	0.15	0.18	0.11	4	0.51	2.66
Buckeye Ck	02/10/99	OK620900-01-0220G	17113	Woody	COTP	17*	4	27.20	5.76	4.62	0.14	0.21	0.00	0.74	0.71	0.08	1.00	0.06	1	0.71	1.28
Buckeye Ck	01/03/00	OK620900-01-0220G	17272	Woody	COTP	100	18	86.15	6.53	5.52	0.10	0.16	0.02	0.75	0.69	0.13	0.19	0.10	5	0.42	3.01
Buckeye Ck	07/17/00	OK620900-01-0220G	19005	Woody	COTP	107	10	54.47	7.49	5.63	0.00	0.01	0.00	0.97	0.90	0.09	0.10	0.09	6	0.80	1.24
Euchee Ck	02/11/99	OK620900-01-0290R	17114	Riffle	COTP	112	11	348.44	5.84	5.93	0.00	0.16	0.00	0.38	0.20	0.00	0.00	0.00	0	0.45	2.60
Euchee Ck	02/11/99	OK620900-01-0290R	17114	Woody	COTP	117	8	29.78	6.50	5.84	0.00	0.28	0.00	0.71	0.45	0.00	0.00	0.00	0	0.43	1.97
Euchee Ck	07/29/99	OK620900-01-0290R	11834	Riffle	COTP	103	9	1281.78	5.51	5.66	0.00	0.53	0.00	0.43	0.41	0.28	0.31	0.16	4	0.40	2.14
Euchee Ck	01/06/00	OK620900-01-0290R	17281	Riffle	COTP	118	14	2447.41	6.92	6.55	0.02	0.52	0.00	0.40	0.28	0.00	0.00	0.00	0	0.31	3.14
Euchee Ck	01/06/00	OK620900-01-0290R	17281	Woody	COTP	118	11	165.20	6.36	5.68	0.00	0.31	0.00	0.66	0.65	0.04	0.05	0.03	1	0.49	2.17
Euchee Ck	07/17/00	OK620900-01-0290R	19010	Riffle	COTP	115	9	536.67	5.62	5.94	0.00	0.58	0.00	0.40	0.40	0.04	0.05	0.02	1	0.52	1.77
Council Ck	02/19/99	OK620900-02-0050H	17143	Riffle	COTP	118	6	1727.58	6.05	5.09	0.00	0.48	0.00	0.45	0.44	0.00	0.00	0.00	0	0.48	1.68
Council Ck	02/19/99	OK620900-02-0050H	17143	Woody	COTP	117	5	93.60	6.26	5.08	0.00	0.50	0.00	0.49	0.49	0.00	0.00	0.00	0	0.50	1.54
Council Ck	07/29/99	OK620900-02-0050H	11831	Riffle	COTP	85	17	46.67	6.18	5.19	0.02	0.26	0.00	0.65	0.59	0.26	0.39	0.21	8	0.33	3.11
Council Ck	01/04/00	OK620900-02-0050H	17275	Riffle	COTP	108	7	1680.00	5.96	5.21	0.00	0.88	0.00	0.10	0.09	0.17	0.67	0.02	2	0.87	0.84
Council Ck	01/04/00	OK620900-02-0050H	17275	Woody	COTP	95	12	193.45	6.17	5.20	0.00	0.40	0.00	0.53	0.46	0.20	0.42	0.12	3	0.34	2.78
Doga Ck	02/23/99	OK621200-02-0020M	17125	Riffle	COTP	122	16	759.11	5.81	5.21	0.00	0.07	0.02	0.70	0.54	0.22	0.90	0.16	7	0.50	2.69
Doga Ck	02/23/99	OK621200-02-0020M	17125	Woody	COTP	100	15	46.67	6.18	5.36	0.01	0.41	0.00	0.54	0.41	0.21	0.79	0.11	4	0.38	2.40
Doga Ck	08/02/99	OK621200-02-0020M	19267	Riffle	COTP	111	16	188.36	4.94	5.07	0.00	0.43	0.00	0.39	0.32	0.42	0.54	0.23	7	0.25	3.25
Doga Ck	01/04/00	OK621200-02-0020M	18315	Riffle	COTP	114	18	532.00	5.02	4.53	0.01	0.50	0.01	0.48	0.17	0.72	0.91	0.42	8	0.29	3.16
Camp Ck	02/23/99	OK621200-03-0040F	17126	Riffle	COTP	107	14	951.11	5.74	4.96	0.00	0.43	0.07	0.39	0.36	0.30	0.53	0.16	6	0.40	2.61
Camp Ck	08/02/99	OK621200-03-0040F	19263	Riffle	COTP	115	16	268.33	5.08	5.15	0.02	0.43	0.00	0.40	0.35	0.38	0.58	0.22	8	0.23	3.47
Camp Ck	07/17/00	OK621200-03-0040F	19007	Riffle	COTP	145	14	541.33	4.84	5.34	0.01	0.72	0.00	0.18	0.10	0.71	0.72	0.25	6	0.48	2.65
North Bird Ck	02/24/99	OK121300-03-0320M	17131	Riffle	FH	108	17	168.00	4.94	4.46	0.29	0.06	0.03	0.56	0.49	0.48	0.84	0.44	11	0.41	3.01
North Bird Ck	01/05/00	OK121300-03-0320M	18320	Riffle	FH	89	13	127.79	4.39	4.02	0.00	0.43	0.20	0.13	0.10	0.84	1.00	0.54	9	0.35	2.66
North Bird Ck	07/17/00	OK121300-03-0320M	21457	Riffle	FH	116	20	83.28	4.84	4.88	0.00	0.38	0.00	0.26	0.17	0.70	0.81	0.40	6	0.18	3.63
Hominy Ck: Downstream	02/23/99	OK121300-04-0280M	17127	Vegetation	FH	106	8	169.60	6.31	5.42	0.00	0.00	0.01	0.95	0.70	0.23	1.00	0.21	2	0.66	1.57
Hominy Ck: Downstream	01/04/00	OK121300-04-0280M	18314	Riffle	FH	107	21	142.67	5.39	5.07	0.01	0.43	0.02	0.51	0.19	0.66	1.00	0.36	9	0.33	3.33
Hominy Ck: Downstream	07/13/00	OK121300-04-0280M	21451	Riffle	FH	135	10	1575.00	6.45	5.28	0.00	0.10	0.00	0.89	0.86	0.03	0.08	0.03	3	0.33	2.38
Hominy Ck: Downstream	07/13/00	OK121300-04-0280M	21451	Woody	FH	108	9	172.80	6.96	5.43	0.00	0.08	0.00	0.87	0.87	0.05	0.07	0.05	2	0.60	1.94

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Hominy Ck: Upstream	02/23/99	OK121300-04-0280R	17128	Riffle	FH	129	13	240.80	4.60	4.10	0.00	0.22	0.00	0.29	0.22	0.72	0.91	0.57	8	0.21	3.05
Hominy Ck: Upstream	08/02/99	OK121300-04-0280R	19266	Riffle	FH	165	15	118.46	4.31	4.54	0.00	0.52	0.00	0.16	0.14	0.73	0.79	0.38	6	0.32	2.70
Hominy Ck: Upstream	01/04/00	OK121300-04-0280R	18313	Vegetation	FH	100	15	62.22	5.53	6.03	0.00	0.07	0.11	0.73	0.03	0.95	1.00	0.53	7	0.35	2.82
Hominy Ck: Upstream	01/04/00	OK121300-04-0280R	18313	Riffle	FH	50*	10	169.70	5.52	5.19	0.00	0.68	0.09	0.19	0.10	0.58	0.88	0.14	4	0.68	1.82
Hominy Ck: Upstream	07/13/00	OK121300-04-0280R	21452	Riffle	FH	113	13	2109.33	4.36	4.87	0.00	0.69	0.00	0.19	0.15	0.70	0.78	0.35	4	0.35	2.68
North Buck Ck	08/02/99	OK121400-03-0210R	19271	Riffle	FH	88	21	91.26	5.26	5.19	0.04	0.31	0.00	0.44	0.32	0.52	0.79	0.34	12	0.11	3.97
North Buck Ck	01/05/00	OK121400-03-0210R	18323	Riffle	FH	103	15	274.67	5.80	5.25	0.02	0.53	0.01	0.31	0.21	0.48	0.69	0.19	5	0.47	2.70
North Buck Ck	07/17/00	OK121400-03-0210R	21459	Riffle	FH	143	16	222.44	5.94	4.89	0.02	0.36	0.00	0.57	0.55	0.32	0.43	0.25	6	0.34	3.03
Sand Ck	02/24/99	OK121400-04-0010T	17132	Riffle	FH	108	14	420.00	3.99	4.66	0.00	0.05	0.01	0.12	0.10	0.79	0.95	0.39	6	0.44	2.65
Sand Ck	02/24/99	OK121400-04-0010T	17132	Vegetation	FH	85	16	39.67	5.94	5.14	0.14	0.04	0.02	0.88	0.56	0.30	0.84	0.25	8	0.52	2.69
Sand Ck	01/05/00	OK121400-04-0010T	18322	Riffle	FH	106	19	494.67	5.25	4.80	0.00	0.39	0.12	0.32	0.25	0.56	0.81	0.32	8	0.32	3.38
Sand Ck	07/17/00	OK121400-04-0010T	21458	Riffle	FH	98	13	686.00	5.57	5.59	0.04	0.27	0.02	0.44	0.41	0.22	0.22	0.11	3	0.40	2.68
Sand Ck	07/17/00	OK121400-04-0010T	21458	Woody	FH	55	12	18.33	7.02	5.74	0.00	0.04	0.04	0.84	0.71	0.03	0.03	0.02	1	0.53	2.53
Gray Horse Ck	02/23/99	OK621200-01-0400T	17124	Riffle	FH	103	16	320.44	4.20	4.54	0.33	0.03	0.03	0.18	0.07	0.87	1.00	0.46	10	0.43	2.73
Salt Ck	02/24/99	OK621200-04-0010J	17130	Riffle	FH	91	15	606.67	4.96	4.58	0.00	0.24	0.01	0.34	0.16	0.82	1.00	0.72	8	0.21	3.32
Salt Ck	08/02/99	OK621200-04-0010J	19269	Riffle	FH	98	18	228.67	5.12	4.27	0.04	0.60	0.00	0.23	0.14	0.81	0.87	0.59	10	0.28	3.31
Salt Ck	01/04/00	OK621200-04-0010J	18318	Riffle	FH	134	16	2501.33	6.12	4.71	0.02	0.73	0.00	0.17	0.04	0.92	0.99	0.52	7	0.36	2.87
Salt Ck	01/04/00	OK621200-04-0010J	18318	Woody	FH	96	14	358.40	5.44	4.42	0.01	0.76	0.05	0.15	0.05	0.89	1.00	0.41	7	0.48	2.46
Salt Ck	07/17/00	OK621200-04-0010J	21455	Riffle	FH	117	12	539.26	5.11	4.15	0.01	0.68	0.00	0.04	0.02	0.97	1.00	0.60	4	0.40	2.38
Salt Ck	07/17/00	OK621200-04-0010J	21455	Vegetation	FH	103	19	73.95	4.64	5.02	0.43	0.07	0.00	0.83	0.14	0.84	0.99	0.72	9	0.59	2.45
Salt Ck	07/17/00	OK621200-04-0010J	21455	Woody	FH	79	14	44.24	5.03	4.83	0.02	0.58	0.00	0.28	0.23	0.68	0.75	0.49	4	0.38	2.95
Little Chief Ck	02/24/99	OK621200-04-0070C	17129	Riffle	FH	120	16	124.44	4.48	5.14	0.00	0.01	0.03	0.18	0.10	0.77	0.91	0.33	8	0.45	2.74
Little Chief Ck	08/02/99	OK621200-04-0070C	19268	Riffle	FH	121	13	118.88	5.37	4.34	0.01	0.69	0.00	0.18	0.12	0.84	0.89	0.60	6	0.36	2.93
Little Chief Ck	01/04/00	OK621200-04-0070C	18316	Riffle	FH	99	19	410.67	4.30	4.30	0.00	0.25	0.19	0.25	0.07	0.91	0.99	0.72	8	0.22	3.56
Little Chief Ck	01/04/00	OK621200-04-0070C	18316	Woody	FH	98	13	101.63	5.14	4.67	0.00	0.55	0.11	0.23	0.18	0.58	1.00	0.26	7	0.51	2.37
Little Chief Ck	07/13/00	OK621200-04-0070C	21454	Riffle	FH	132	23	308.00	5.02	5.76	0.02	0.37	0.00	0.23	0.15	0.46	0.61	0.13	7	0.23	3.64
Little Chief Ck	07/13/00	OK621200-04-0070C	21454	Woody	FH	63	9	12.60	5.56	5.02	0.00	0.43	0.00	0.52	0.38	0.35	0.41	0.21	2	0.30	2.79
Saline Ck	02/16/99	OK121600-02-0030D	17105	Riffle	OH	121	19	451.73	2.64	2.64	0.76	0.17	0.00	0.56	0.02	0.98	0.99	0.88	14	0.31	3.53
Saline Ck	02/16/99	OK121600-02-0030D	17105	Vegetation	OH	104	17	970.67	2.45	3.13	0.25	0.04	0.03	0.82	0.00	1.00	1.00	0.88	10	0.47	2.81
Saline Ck	01/10/00	OK121600-02-0030D	18253	Woody	OH	89	11	99.68	5.27	4.60	0.29	0.31	0.00	0.67	0.47	0.40	0.97	0.31	5	0.45	2.38
Saline Ck	01/10/00	OK121600-02-0030D	18253	Riffle	OH	278*	30	1729.78	5.53	4.56	0.29	0.18	0.00	0.76	0.71	0.14	0.67	0.11	14	0.38	2.99
Drowning Ck	08/04/99	OK121600-03-0090G	14486	Riffle	OH	103	16	769.07	5.92	5.48	0.26	0.17	0.00	0.69	0.17	0.70	0.89	0.38	6	0.27	3.26
Drowning Ck	08/04/99	OK121600-03-0090G	14486	Vegetation	OH	89	11	332.27	5.73	5.23	0.00	0.62	0.00	0.25	0.12	0.61	0.94	0.19	3	0.62	2.09
Drowning Ck	07/11/00	OK121600-03-0090G	19060	Riffle	OH	138	13	1288.00	6.72	6.22	1.00	0.03	0.00	0.93	0.43	0.19	0.88	0.10	5	0.38	2.63
Whitewater Ck	07/21/99	OK121600-03-0320G	17264	Riffle	OH	41	7	42.52	6.54	5.32	0.00	0.02	0.00	0.85	0.80	0.06	0.10	0.05	1	0.44	2.34
Whitewater Ck	01/18/00	OK121600-03-0320G	18250	Riffle	OH	132	22	3285.33	4.26	3.65	0.92	0.09	0.00	0.66	0.28	0.68	0.98	0.60	9	0.27	3.31
Whitewater Ck	08/14/00	OK121600-03-0320G	19146	Riffle	OH	127	24	474.13	5.09	4.69	1.00	0.16	0.00	0.66	0.20	0.69	0.83	0.46	5	0.30	3.65
Lost Ck	07/26/99	OK121600-03-0560G	17551	Riffle	OH	126	18	130.67	6.19	5.09	0.00	0.10	0.00	0.78	0.68	0.23	0.37	0.21	10	0.36	3.13
Lost Ck	01/21/00	OK121600-03-0560G	17293	Riffle	OH	115	25	1073.33	5.33	4.61	0.15	0.20	0.00	0.53	0.43	0.44	0.89	0.34	10	0.28	3.69
Lost Ck	01/21/00	OK121600-03-0560G	17293	Woody	OH	108	17	86.40	6.06	4.83	0.53	0.08	0.02	0.88	0.81	0.13	0.35	0.12	7	0.51	2.45
Lost Ck	07/11/00	OK121600-03-0560G	19065	Riffle	OH	101	13	418.96	6.57	5.35	1.00	0.01	0.00	0.85	0.76	0.06	0.12	0.05	4	0.38	2.43
Brushy Ck	02/17/99	OK220600-03-0010T	17156	Riffle	OM	126	11	2688.00	6.75	5.27	1.00	0.02	0.00	0.83	0.82	0.16	0.19	0.15	6	0.65	1.88

Stream	Date	WBID	Sample ID	Description	E-region	Number of organisms	Number of taxa*	Density/1 minute effort	Modified Hilsenhoff biotic index*	Modified North Carolina biotic index	Scrapers/scrapers + filtering collectors	Scrapers and filtering collectors/total	Shredders/total	Gathering collectors/total	Chironomidae/total	EPT/EPT + Chironomidae	EPT/EPT + Chronomini*	EPT/total*	EPT taxa*	Dominants/total*	Shannon-Weaver diversity index*
Brushy Ck	02/17/99	OK220600-03-0010T	17156	Vegetation	OM	114	15	190.00	5.13	4.30	0.20	0.04	0.02	0.57	0.43	0.52	0.64	0.47	8	0.30	2.97
Brushy Ck	02/17/99	OK220600-03-0010T	17156	Woody	OM	103	12	56.22	6.63	5.06	0.33	0.03	0.00	0.84	0.83	0.14	0.18	0.14	5	0.61	1.98
Brushy Ck	07/23/99	OK220600-03-0010T	18274	Riffle	OM	129	10	2408.00	4.43	5.44	0.00	0.75	0.00	0.19	0.18	0.57	0.79	0.24	5	0.55	2.27
Brushy Ck	07/23/99	OK220600-03-0010T	18274	Vegetation	OM	117	7	436.80	4.53	5.19	0.01	0.76	0.00	0.24	0.23	0.59	0.91	0.33	1	0.42	1.88
Brushy Ck	01/12/00	OK220600-03-0010T	18147	Riffle	OM	104	8	12942.22	5.78	5.19	0.02	0.92	0.03	0.04	0.02	0.71	1.00	0.05	3	0.90	0.71
Brushy Ck	01/12/00	OK220600-03-0010T	18147	Vegetation	OM	142	5	3313.33	5.89	5.18	0.01	0.94	0.00	0.05	0.04	0.40	1.00	0.03	3	0.93	0.48
Brushy Ck	07/10/00	OK220600-03-0010T	19013	Riffle	OM	113	14	527.33	4.88	6.01	0.00	0.67	0.00	0.26	0.17	0.34	0.38	0.09	4	0.61	2.14
Pine Ck	02/16/99	OK410300-03-0580C	17153	Riffle	OM	121	16	705.83	5.21	4.25	0.15	0.14	0.00	0.40	0.29	0.68	0.90	0.60	8	0.36	2.98
Pine Ck	02/16/99	OK410300-03-0580C	17153	Woody	OM	75	15	25.00	4.79	4.17	0.13	0.15	0.03	0.60	0.29	0.63	0.97	0.51	8	0.24	3.25
Pine Ck	07/27/99	OK410300-03-0580C	18283	Riffle	OM	109	19	290.67	4.47	4.28	0.12	0.61	0.00	0.17	0.13	0.79	0.92	0.50	9	0.24	3.51
Pine Ck	01/05/00	OK410300-03-0580C	18159	Riffle	OM	105	27	108.89	4.06	3.96	0.40	0.48	0.05	0.15	0.02	0.97	1.00	0.58	12	0.18	3.95
Pine Ck	01/05/00	OK410300-03-0580C	18159	Vegetation	OM	54	4	18.00	5.41	4.70	0.12	0.96	0.02	0.02	0.00	1.00	1.00	0.15	2	0.65	1.40
Pine Ck	07/19/00	OK410300-03-0580C	19030	Riffle	OM	111	27	103.60	5.01	4.85	0.19	0.45	0.00	0.43	0.32	0.46	0.67	0.28	9	0.22	3.86
Pine Ck	07/19/00	OK410300-03-0580C	19030	Vegetation	OM	110	15	102.67	4.65	4.81	0.00	0.63	0.00	0.31	0.25	0.66	0.87	0.47	6	0.26	3.10
Dry Ck	02/16/99	OK410310-01-0070C	17154	Riffle	OM	131	17	1304.18	5.80	4.66	0.44	0.07	0.00	0.80	0.47	0.45	0.52	0.39	8	0.36	3.05
Dry Ck	02/16/99	OK410310-01-0070C	17154	Woody	OM	90	10	90.00	5.27	4.68	0.00	0.44	0.00	0.51	0.14	0.73	0.92	0.39	4	0.40	2.25
Dry Ck	07/23/99	OK410310-01-0070C	18276	Riffle	OM	119	19	555.33	5.00	4.88	0.10	0.26	0.00	0.58	0.28	0.65	0.73	0.51	11	0.19	3.49
Dry Ck	07/23/99	OK410310-01-0070C	18276	Woody	OM	106	14	65.09	5.92	4.99	0.12	0.19	0.00	0.75	0.72	0.17	0.38	0.15	7	0.39	2.69
Dry Ck	01/05/00	OK410310-01-0070C	18156	Riffle	OM	110	20	641.67	5.04	4.93	0.94	0.15	0.05	0.60	0.25	0.59	0.95	0.37	9	0.24	3.47
Dry Ck	07/10/00	OK410310-01-0070C	19015	Riffle	OM	137	18	730.67	5.01	5.63	0.01	0.53	0.00	0.32	0.29	0.29	0.31	0.12	6	0.51	2.25
Dry Ck	07/10/00	OK410310-01-0070C	19015	Vegetation	OM	112	21	95.03	5.04	5.50	0.00	0.40	0.00	0.48	0.32	0.35	0.59	0.17	6	0.33	3.45
Dry Ck	07/10/00	OK410310-01-0070C	19015	Woody	OM	70	14	15.56	5.63	4.80	0.33	0.24	0.00	0.69	0.49	0.38	0.49	0.30	6	0.31	3.05
Bolen Ck	02/17/99	OK410310-03-0090G	17155	Riffle	OM	159	14	2120.00	6.69	5.16	0.15	0.08	0.01	0.83	0.71	0.27	0.30	0.26	8	0.60	2.19
Bolen Ck	02/17/99	OK410310-03-0090G	17155	Vegetation	OM	107	11	277.41	6.19	4.87	0.75	0.04	0.00	0.93	0.86	0.12	0.34	0.12	5	0.35	2.37
Bolen Ck	07/23/99	OK410310-03-0090G	18275	Riffle	OM	147	19	2744.00	4.58	4.33	0.12	0.65	0.00	0.29	0.25	0.64	0.79	0.44	7	0.32	3.19
Bolen Ck	01/05/00	OK410310-03-0090G	18155	Riffle	OM	116	15	515.56	2.90	3.43	0.93	0.35	0.33	0.23	0.22	0.76	0.99	0.69	5	0.33	2.55
Bolen Ck	07/10/00	OK410310-03-0090G	19014	Riffle	OM	157	15	439.60	5.53	4.98	0.00	0.35	0.00	0.59	0.55	0.32	0.51	0.26	3	0.25	2.92
Bolen Ck	07/10/00	OK410310-03-0090G	19014	Vegetation	OM	119	17	100.97	5.52	5.28	0.02	0.20	0.00	0.68	0.55	0.24	0.70	0.18	3	0.30	3.19

SUMMER RIFFLE

Variable	Ecoregion	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
doms/tot	AV	10	0.359	0.0378	0.1194	0.18	0.2575	0.35	0.435	0.59
ept taxa	AV	10	5.6	0.98	3.098	1	2.75	5.5	8.25	10
ept/"+cn	AV	10	0.642	0.0806	0.2548	0.08	0.5375	0.675	0.86	0.91
ept/tot	AV	10	0.218	0.0428	0.1355	0.03	0.1125	0.185	0.335	0.47
Mod.HBI	AV	10	4.788	0.16	0.506	4.07	4.313	4.855	5.128	5.64
No.taxa	AV	10	15.7	1.35	4.27	9	11.75	15.5	20	21
S-W div	AV	10	2.885	0.164	0.517	2.19	2.393	2.965	3.36	3.55
doms/tot	CGP	2	0.325	0.015	0.0212	0.31	*	0.325	*	0.34
ept taxa	CGP	2	3	0	0	3	*	3	*	3
ept/"+cn	CGP	2	0.21	0.09	0.1273	0.12	*	0.21	*	0.3
ept/tot	CGP	2	0.07	0.03	0.0424	0.04	*	0.07	*	0.1
Mod.HBI	CGP	2	6.2	0.2	0.283	6	*	6.2	*	6.4
No.taxa	CGP	2	11.5	0.5	0.707	11	*	11.5	*	12
S-W div	CGP	2	2.61	0.05	0.0707	2.56	*	2.61	*	2.66
doms/tot	CIP	24	0.325	0.0306	0.15	0.13	0.225	0.31	0.39	0.8
ept taxa	CIP	24	5.167	0.473	2.316	1	3	5.5	7	8
ept/"+cn	CIP	24	0.5642	0.0618	0.3026	0.02	0.2475	0.645	0.7775	0.98
ept/tot	CIP	24	0.2354	0.0325	0.1594	0.02	0.0925	0.265	0.35	0.62
Mod.HBI	CIP	24	5.524	0.175	0.857	4.33	4.82	5.505	5.955	8.06
No.taxa	CIP	24	15.208	0.893	4.374	9	11.25	15.5	18.75	23
S-W div	CIP	24	2.946	0.133	0.653	1.22	2.615	2.98	3.478	3.86
doms/tot	COTP	40	0.3915	0.0223	0.1409	0.17	0.2575	0.385	0.4775	0.73
ept taxa	COTP	40	5.075	0.441	2.786	0	3	5	7	12
ept/"+cn	COTP	40	0.5238	0.0451	0.2852	0	0.3375	0.555	0.735	0.93
ept/tot	COTP	40	0.2238	0.0259	0.1636	0	0.11	0.215	0.3175	0.71
Mod.HBI	COTP	40	5.231	0.116	0.731	4.1	4.62	5.115	5.71	6.96
No.taxa	COTP	40	14	0.64	4.045	6	11	14	17	21
S-W div	COTP	40	2.698	0.0947	0.5992	1.57	2.1925	2.645	3.1975	3.66
doms/tot	FH	11	0.3	0.0278	0.0921	0.11	0.23	0.33	0.36	0.4
ept taxa	FH	11	6.091	0.847	2.809	3	4	6	7	12
ept/"+cn	FH	11	0.6609	0.0889	0.2947	0.08	0.43	0.79	0.87	1
ept/tot	FH	11	0.3436	0.0606	0.201	0.03	0.13	0.35	0.59	0.6
Mod.HBI	FH	11	5.214	0.19	0.629	4.31	4.84	5.12	5.57	6.45
No.taxa	FH	11	15.82	1.26	4.17	10	13	15	20	23
S-W div	FH	11	3.03	0.162	0.539	2.38	2.68	2.93	3.63	3.97
doms/tot	OH	6	0.355	0.025	0.0612	0.27	0.2925	0.37	0.395	0.44
ept taxa	OH	6	5.17	1.19	2.93	1	3.25	5	7	10
ept/"+cn	OH	6	0.532	0.155	0.38	0.1	0.115	0.6	0.883	0.89
ept/tot	OH	6	0.2083	0.0718	0.1759	0.05	0.05	0.155	0.4	0.46
Mod.HBI	OH	6	6.172	0.247	0.605	5.09	5.713	6.365	6.608	6.72
No.taxa	OH	6	15.17	2.33	5.71	7	11.5	14.5	19.5	24
S-W div	OH	6	2.907	0.212	0.52	2.34	2.408	2.88	3.358	3.65
doms/tot	OM	8	0.3613	0.0594	0.1681	0.19	0.225	0.285	0.54	0.61
ept taxa	OM	8	6.75	0.977	2.765	3	4.25	6.5	9	11
ept/"+cn	OM	8	0.6375	0.0763	0.2157	0.31	0.4125	0.7	0.79	0.92
ept/tot	OM	8	0.305	0.0576	0.1628	0.09	0.15	0.27	0.485	0.51
Mod.HBI	OM	8	4.864	0.129	0.364	4.43	4.498	4.94	5.01	5.53
No.taxa	OM	8	17.63	1.75	4.96	10	14.25	18.5	19	27
S-W div	OM	8	2.954	0.235	0.665	2.14	2.255	3.055	3.505	3.86

SUMMER VEG

Variable	Ecoregion	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
doms/tot	AV	4	0.295	0.0301	0.0603	0.21	0.2325	0.31	0.3425	0.35
ept taxa	AV	4	5.25	1.03	2.06	3	3.25	5.5	7	7
ept/"+cn	AV	4	0.505	0.134	0.268	0.21	0.27	0.475	0.77	0.86
ept/tot	AV	4	0.16	0.0495	0.099	0.07	0.0725	0.155	0.2525	0.26
Mod.HBI	AV	4	6.06	0.189	0.377	5.68	5.713	6.04	6.428	6.48
No.taxa	AV	4	18.25	1.03	2.06	16	16.25	18.5	20	20
S-W div	AV	4	3.143	0.14	0.281	2.81	2.86	3.19	3.378	3.38
doms/tot	CGP	2	0.24	0.07	0.099	0.17	*	0.24	*	0.31
ept taxa	CGP	2	6	1	1.41	5	*	6	*	7
ept/"+cn	CGP	2	0.415	0.185	0.262	0.23	*	0.415	*	0.6
ept/tot	CGP	2	0.17	0.08	0.1131	0.09	*	0.17	*	0.25
Mod.HBI	CGP	2	6.37	0.13	0.184	6.24	*	6.37	*	6.5
No.taxa	CGP	2	16.5	2.5	3.54	14	*	16.5	*	19
S-W div	CGP	2	3.345	0.385	0.544	2.96	*	3.345	*	3.73
doms/tot	CIP	1	0.35	*	*	0.35	*	0.35	*	0.35
ept taxa	CIP	1	4	*	*	4	*	4	*	4
ept/"+cn	CIP	1	0.75	*	*	0.75	*	0.75	*	0.75
ept/tot	CIP	1	0.09	*	*	0.09	*	0.09	*	0.09
Mod.HBI	CIP	1	6.67	*	*	6.67	*	6.67	*	6.67
No.taxa	CIP	1	15	*	*	15	*	15	*	15
S-W div	CIP	1	2.6	*	*	2.6	*	2.6	*	2.6
doms/tot	COTP	12	0.3408	0.0413	0.1429	0.17	0.2425	0.275	0.4875	0.62
ept taxa	COTP	12	4.75	0.77	2.667	1	2.25	4	6.75	9
ept/"+cn	COTP	12	0.5775	0.0932	0.323	0.13	0.185	0.66	0.875	0.96
ept/tot	COTP	12	0.2483	0.0419	0.1453	0.02	0.115	0.3	0.3675	0.42
Mod.HBI	COTP	12	6.051	0.297	1.028	4.6	5.195	6.165	7.15	7.39
No.taxa	COTP	12	15.75	1.35	4.69	7	13	15.5	18.75	25
S-W div	COTP	12	2.993	0.167	0.579	2.04	2.495	3.19	3.408	3.84
doms/tot	FH	1	0.59	*	*	0.59	*	0.59	*	0.59
ept taxa	FH	1	9	*	*	9	*	9	*	9
ept/"+cn	FH	1	0.99	*	*	0.99	*	0.99	*	0.99
ept/tot	FH	1	0.72	*	*	0.72	*	0.72	*	0.72
Mod.HBI	FH	1	4.64	*	*	4.64	*	4.64	*	4.64
No.taxa	FH	1	19	*	*	19	*	19	*	19
S-W div	FH	1	2.45	*	*	2.45	*	2.45	*	2.45
doms/tot	OH	1	0.62	*	*	0.62	*	0.62	*	0.62
ept taxa	OH	1	3	*	*	3	*	3	*	3
ept/"+cn	OH	1	0.94	*	*	0.94	*	0.94	*	0.94
ept/tot	OH	1	0.19	*	*	0.19	*	0.19	*	0.19
Mod.HBI	OH	1	5.73	*	*	5.73	*	5.73	*	5.73
No.taxa	OH	1	11	*	*	11	*	11	*	11
S-W div	OH	1	2.09	*	*	2.09	*	2.09	*	2.09
doms/tot	OM	4	0.3275	0.034	0.068	0.26	0.27	0.315	0.3975	0.42
ept taxa	OM	4	4	1.22	2.45	1	1.5	4.5	6	6
ept/"+cn	OM	4	0.7675	0.0747	0.1493	0.59	0.6175	0.785	0.9	0.91
ept/tot	OM	4	0.2875	0.071	0.142	0.17	0.1725	0.255	0.435	0.47
Mod.HBI	OM	4	4.935	0.223	0.447	4.53	4.56	4.845	5.4	5.52
No.taxa	OM	4	15	2.94	5.89	7	9	16	20	21
S-W div	OM	4	2.905	0.35	0.699	1.88	2.185	3.145	3.385	3.45

SUMMER WOODY

Variable	Ecoregion	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
doms/tot	AV	7	0.3814	0.0422	0.1117	0.29	0.31	0.32	0.45	0.6
ept taxa	AV	7	3.143	0.67	1.773	0	3	3	4	6
ept/"+cn	AV	7	0.2429	0.0877	0.2321	0	0.08	0.14	0.44	0.65
ept/tot	AV	7	0.1	0.0576	0.1523	0	0.03	0.05	0.08	0.44
Mod.HBI	AV	7	5.803	0.116	0.308	5.22	5.65	5.86	6.09	6.14
No.taxa	AV	7	12.143	0.404	1.069	11	11	12	13	14
S-W div	AV	7	2.573	0.12	0.318	1.99	2.37	2.69	2.72	2.99
doms/tot	CGP	3	0.51	0.102	0.177	0.35	0.35	0.48	0.7	0.7
ept taxa	CGP	3	4.67	1.67	2.89	3	3	3	8	8
ept/"+cn	CGP	3	0.21	0.108	0.187	0.06	0.06	0.15	0.42	0.42
ept/tot	CGP	3	0.1233	0.0644	0.1115	0.04	0.04	0.08	0.25	0.25
Mod.HBI	CGP	3	6.913	0.229	0.397	6.48	6.48	7	7.26	7.26
No.taxa	CGP	3	12.33	2.19	3.79	8	8	14	15	15
S-W div	CGP	3	2.353	0.404	0.701	1.57	1.57	2.57	2.92	2.92
doms/tot	CIP	4	0.37	0.0268	0.0535	0.34	0.34	0.345	0.425	0.45
ept taxa	CIP	4	3.5	0.957	1.915	2	2	3	5.5	6
ept/"+cn	CIP	4	0.2625	0.0301	0.0602	0.21	0.2125	0.25	0.325	0.34
ept/tot	CIP	4	0.105	0.0272	0.0545	0.05	0.06	0.095	0.16	0.18
Mod.HBI	CIP	4	6.245	0.0837	0.1674	6	6.07	6.305	6.36	6.37
No.taxa	CIP	4	11.5	0.866	1.732	10	10.25	11	13.25	14
S-W div	CIP	4	2.543	0.126	0.252	2.39	2.4	2.43	2.798	2.92
doms/tot	COTP	26	0.3996	0.0368	0.1874	0.17	0.2375	0.34	0.5375	0.8
ept taxa	COTP	26	5.538	0.365	1.86	2	4	5	7	10
ept/"+cn	COTP	26	0.4512	0.0528	0.2691	0.04	0.2175	0.38	0.725	0.94
ept/tot	COTP	26	0.2112	0.0305	0.1555	0.03	0.09	0.165	0.265	0.59
Mod.HBI	COTP	26	5.737	0.181	0.923	4.16	4.965	5.555	6.383	7.49
No.taxa	COTP	26	14.846	0.718	3.663	9	11.75	14	18	22
S-W div	COTP	26	2.731	0.138	0.705	1.24	2.195	2.75	3.398	3.93
doms/tot	FH	4	0.4525	0.0685	0.137	0.3	0.32	0.455	0.5825	0.6
ept taxa	FH	4	2.25	0.629	1.258	1	1.25	2	3.5	4
ept/"+cn	FH	4	0.315	0.168	0.336	0.03	0.04	0.24	0.665	0.75
ept/tot	FH	4	0.193	0.108	0.215	0.02	0.0275	0.13	0.42	0.49
Mod.HBI	FH	4	6.143	0.501	1.003	5.03	5.163	6.26	7.005	7.02
No.taxa	FH	4	11	1.22	2.45	9	9	10.5	13.5	14
S-W div	FH	4	2.553	0.222	0.443	1.94	2.088	2.66	2.91	2.95
doms/tot	OM	2	0.35	0.04	0.0566	0.31	*	0.35	*	0.39
ept taxa	OM	2	6.5	0.5	0.707	6	*	6.5	*	7
ept/"+cn	OM	2	0.435	0.055	0.0778	0.38	*	0.435	*	0.49
ept/tot	OM	2	0.225	0.075	0.1061	0.15	*	0.225	*	0.3
Mod.HBI	OM	2	5.775	0.145	0.205	5.63	*	5.775	*	5.92
No.taxa	OM	2	14	0	0	14	*	14	*	14
S-W div	OM	2	2.87	0.18	0.255	2.69	*	2.87	*	3.05

WINTER RIFFLE

Variable	Ecoregion	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
doms/tot	AV	14	0.3629	0.0469	0.1754	0.2	0.26	0.3	0.4175	0.8
ept taxa	AV	14	6.214	0.712	2.665	1	3.75	7	8	10
ept/"+cn	AV	14	0.6679	0.0515	0.1928	0.24	0.585	0.685	0.815	0.96
ept/tot	AV	14	0.2807	0.0498	0.1862	0.02	0.135	0.23	0.415	0.66
Mod.HBI	AV	14	5.514	0.201	0.751	4.14	4.925	5.505	6.07	6.76
No.taxa	AV	14	17.5	0.747	2.794	11	15.75	17.5	20	21
S-W div	AV	14	3.018	0.173	0.648	1.19	2.793	3.295	3.373	3.56
doms/tot	CGP	2	0.645	0.135	0.191	0.51	*	0.645	*	0.78
ept taxa	CGP	2	1.5	0.5	0.707	1	*	1.5	*	2
ept/"+cn	CGP	2	0.79	0.04	0.0566	0.75	*	0.79	*	0.83
ept/tot	CGP	2	0.07	0	0	0.07	*	0.07	*	0.07
Mod.HBI	CGP	2	6.725	0.675	0.955	6.05	*	6.725	*	7.4
No.taxa	CGP	2	10	1	1.41	9	*	10	*	11
S-W div	CGP	2	1.725	0.405	0.573	1.32	*	1.725	*	2.13
doms/tot	CIP	31	0.4829	0.0372	0.2074	0.19	0.29	0.48	0.62	0.98
ept taxa	CIP	31	4.419	0.625	3.481	0	2	4	6	14
ept/"+cn	CIP	31	0.7619	0.0563	0.3132	0	0.62	0.89	1	1
ept/tot	CIP	31	0.2319	0.0359	0.1998	0	0.07	0.17	0.41	0.62
Mod.HBI	CIP	31	5.665	0.226	1.26	2.94	4.98	5.74	6.14	8.88
No.taxa	CIP	31	12.355	0.835	4.652	2	10	12	16	22
S-W div	CIP	31	2.342	0.154	0.859	0.12	1.69	2.35	3.11	3.67
doms/tot	COTP	47	0.4506	0.0278	0.1909	0.15	0.29	0.44	0.62	0.91
ept taxa	COTP	47	3.915	0.39	2.677	0	2	3	6	10
ept/"+cn	COTP	47	0.6111	0.0496	0.3397	0	0.27	0.71	0.9	1
ept/tot	COTP	47	0.1647	0.0234	0.1602	0	0.03	0.12	0.23	0.58
Mod.HBI	COTP	47	5.71	0.115	0.787	2.87	5.3	5.74	6.08	7.64
No.taxa	COTP	47	13.596	0.675	4.628	5	11	14	17	25
S-W div	COTP	47	2.52	0.12	0.821	0.6	1.8	2.58	3.16	3.94
doms/tot	FH	12	0.35	0.0275	0.0953	0.21	0.245	0.355	0.4375	0.47
ept taxa	FH	12	8.083	0.468	1.621	5	7.25	8	9	11
ept/"+cn	FH	12	0.9242	0.0286	0.0989	0.69	0.8575	0.97	1	1
ept/tot	FH	12	0.4633	0.0462	0.1601	0.19	0.3375	0.45	0.5625	0.72
Mod.HBI	FH	12	4.868	0.192	0.665	3.99	4.323	4.77	5.355	6.12
No.taxa	FH	12	16.167	0.716	2.48	13	14.25	16	18.5	21
S-W div	FH	12	3	0.0936	0.3244	2.65	2.7075	2.94	3.3275	3.56
doms/tot	OH	3	0.2867	0.012	0.0208	0.27	0.27	0.28	0.31	0.31
ept taxa	OH	3	11	1.53	2.65	9	9	10	14	14
ept/"+cn	OH	3	0.9533	0.0318	0.0551	0.89	0.89	0.98	0.99	0.99
ept/tot	OH	3	0.607	0.156	0.27	0.34	0.34	0.6	0.88	0.88
Mod.HBI	OH	3	4.077	0.782	1.354	2.64	2.64	4.26	5.33	5.33
No.taxa	OH	3	22	1.73	3	19	19	22	25	25
S-W div	OH	3	3.51	0.11	0.191	3.31	3.31	3.53	3.69	3.69
doms/tot	OM	8	0.4525	0.0858	0.2428	0.18	0.2625	0.36	0.6375	0.9
ept taxa	OM	8	7.375	0.962	2.722	3	5.25	8	8.75	12
ept/"+cn	OM	8	0.731	0.12	0.34	0.19	0.355	0.925	0.998	1
ept/tot	OM	8	0.3863	0.0802	0.227	0.05	0.1775	0.38	0.595	0.69
Mod.HBI	OM	8	5.279	0.461	1.303	2.9	4.305	5.495	6.468	6.75
No.taxa	OM	8	16	2.04	5.76	8	11.75	15.5	19.25	27
S-W div	OM	8	2.598	0.358	1.013	0.71	1.958	2.765	3.365	3.95

WINTER VEG

Variable	Ecoregion	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
doms/tot	AV	7	0.3829	0.0737	0.1949	0.19	0.2	0.33	0.6	0.67
ept taxa	AV	7	5.86	1.4	3.72	2	3	4	10	11
ept/"+cn	AV	7	0.683	0.108	0.287	0.12	0.57	0.73	0.92	1
ept/tot	AV	7	0.2343	0.0649	0.1716	0.04	0.08	0.25	0.42	0.46
Mod.HBI	AV	7	5.85	0.246	0.65	4.84	5.45	5.79	6.12	6.97
No.taxa	AV	7	15.86	1.88	4.98	10	11	14	21	21
S-W div	AV	7	2.781	0.327	0.866	1.56	1.96	2.75	3.6	3.68
doms/tot	CGP	2	0.435	0.175	0.247	0.26	*	0.435	*	0.61
ept taxa	CGP	2	2	1	1.41	1	*	2	*	3
ept/"+cn	CGP	2	0.46	0.19	0.269	0.27	*	0.46	*	0.65
ept/tot	CGP	2	0.08	0.04	0.0566	0.04	*	0.08	*	0.12
Mod.HBI	CGP	2	6.115	0.045	0.0636	6.07	*	6.115	*	6.16
No.taxa	CGP	2	14.5	1.5	2.12	13	*	14.5	*	16
S-W div	CGP	2	2.615	0.445	0.629	2.17	*	2.615	*	3.06
doms/tot	CIP	2	0.35	0.05	0.0707	0.3	*	0.35	*	0.4
ept taxa	CIP	2	4	2	2.83	2	*	4	*	6
ept/"+cn	CIP	2	0.825	0.125	0.177	0.7	*	0.825	*	0.95
ept/tot	CIP	2	0.16	0.05	0.0707	0.11	*	0.16	*	0.21
Mod.HBI	CIP	2	6.79	0.19	0.269	6.6	*	6.79	*	6.98
No.taxa	CIP	2	14.5	0.5	0.707	14	*	14.5	*	15
S-W div	CIP	2	2.91	0.03	0.0424	2.88	*	2.91	*	2.94
doms/tot	COTP	24	0.3971	0.0415	0.2031	0.09	0.2725	0.35	0.4375	0.98
ept taxa	COTP	24	4.25	0.505	2.472	0	2	4	6.75	9
ept/"+cn	COTP	24	0.6854	0.0538	0.2635	0	0.4925	0.785	0.8675	1
ept/tot	COTP	24	0.1908	0.03	0.1471	0	0.0775	0.165	0.2825	0.56
Mod.HBI	COTP	24	5.9483	0.0868	0.4254	4.84	5.7625	5.935	6.1125	6.74
No.taxa	COTP	24	14.88	1.26	6.16	3	10.25	14.5	18.75	28
S-W div	COTP	24	2.687	0.19	0.931	0.15	2.218	2.78	3.41	4.4
doms/tot	FH	3	0.51	0.0896	0.1552	0.35	0.35	0.52	0.66	0.66
ept taxa	FH	3	5.67	1.86	3.21	2	2	7	8	8
ept/"+cn	FH	3	0.9467	0.0533	0.0924	0.84	0.84	1	1	1
ept/tot	FH	3	0.33	0.101	0.174	0.21	0.21	0.25	0.53	0.53
Mod.HBI	FH	3	5.927	0.225	0.39	5.53	5.53	5.94	6.31	6.31
No.taxa	FH	3	13	2.52	4.36	8	8	15	16	16
S-W div	FH	3	2.36	0.397	0.687	1.57	1.57	2.69	2.82	2.82
doms/tot	OH	1	0.47	*	*	0.47	*	0.47	*	0.47
ept taxa	OH	1	10	*	*	10	*	10	*	10
ept/"+cn	OH	1	1	*	*	1	*	1	*	1
ept/tot	OH	1	0.88	*	*	0.88	*	0.88	*	0.88
Mod.HBI	OH	1	2.45	*	*	2.45	*	2.45	*	2.45
No.taxa	OH	1	17	*	*	17	*	17	*	17
S-W div	OH	1	2.81	*	*	2.81	*	2.81	*	2.81
doms/tot	OM	4	0.558	0.146	0.293	0.3	0.313	0.5	0.86	0.93
ept taxa	OM	4	4.5	1.32	2.65	2	2.25	4	7.25	8
ept/"+cn	OM	4	0.745	0.159	0.319	0.34	0.415	0.82	1	1
ept/tot	OM	4	0.1925	0.0959	0.1919	0.03	0.0525	0.135	0.39	0.47
Mod.HBI	OM	4	5.655	0.238	0.475	5.13	5.2	5.65	6.115	6.19
No.taxa	OM	4	8.75	2.59	5.19	4	4.25	8	14	15
S-W div	OM	4	1.805	0.547	1.095	0.48	0.71	1.885	2.82	2.97

WINTER WOODY

Variable	Ecoregion	N	Mean	SE Mean	StDev	Min	Q1	Median	Q3	Max
doms/tot	AV	12	0.4592	0.0562	0.1947	0.18	0.3325	0.43	0.595	0.85
ept taxa	AV	12	5.5	1.06	3.66	2	2	5	8	13
ept/"+cn	AV	12	0.5808	0.0764	0.2645	0.21	0.335	0.625	0.845	0.93
ept/tot	AV	12	0.2542	0.0691	0.2392	0.03	0.0625	0.14	0.4375	0.77
Mod.HBI	AV	12	5.612	0.239	0.827	3.79	5.105	5.81	6.16	6.68
No.taxa	AV	12	13.75	1.08	3.74	8	10.5	14	15.75	21
S-W div	AV	12	2.487	0.219	0.758	1.02	1.83	2.675	2.935	3.71
doms/tot	CGP	4	0.728	0.117	0.234	0.41	0.483	0.78	0.92	0.94
ept taxa	CGP	4	2	0.577	1.155	1	1	2	3	3
ept/"+cn	CGP	4	0.495	0.0971	0.1942	0.25	0.295	0.53	0.66	0.67
ept/tot	CGP	4	0.0525	0.0217	0.0435	0.01	0.015	0.045	0.0975	0.11
Mod.HBI	CGP	4	6.035	0.0708	0.1415	5.92	5.92	6.005	6.18	6.21
No.taxa	CGP	4	7.75	1.31	2.63	5	5.25	8	10	10
S-W div	CGP	4	1.373	0.443	0.886	0.45	0.558	1.3	2.26	2.44
doms/tot	CIP	11	0.6727	0.0611	0.2026	0.43	0.45	0.73	0.81	0.97
ept taxa	CIP	11	2	0.661	2.191	0	0	2	3	7
ept/"+cn	CIP	11	0.444	0.116	0.384	0	0	0.52	0.77	1
ept/tot	CIP	11	0.0536	0.0169	0.0559	0	0	0.05	0.1	0.17
Mod.HBI	CIP	11	6.218	0.172	0.571	5.61	5.79	6.07	6.57	7.65
No.taxa	CIP	11	8.64	1.24	4.11	3	7	8	11	18
S-W div	CIP	11	1.531	0.254	0.842	0.19	1.07	1.57	1.94	3.03
doms/tot	COTP	26	0.4408	0.0313	0.1595	0.16	0.315	0.415	0.56	0.9
ept taxa	COTP	26	3.346	0.529	2.697	0	1	3	5	11
ept/"+cn	COTP	26	0.4165	0.064	0.3262	0	0.1175	0.37	0.7225	0.95
ept/tot	COTP	26	0.1496	0.0343	0.1751	0	0.02	0.1	0.195	0.68
Mod.HBI	COTP	26	5.911	0.124	0.633	3.65	5.57	6.08	6.323	6.53
No.taxa	COTP	26	12.154	0.942	4.806	4	9	12	15	25
S-W div	COTP	26	2.388	0.147	0.751	0.56	1.953	2.445	2.78	3.66
doms/tot	FH	2	0.495	0.015	0.0212	0.48	*	0.495	*	0.51
ept taxa	FH	2	7	0	0	7	*	7	*	7
ept/"+cn	FH	2	1	0	0	1	*	1	*	1
ept/tot	FH	2	0.335	0.075	0.1061	0.26	*	0.335	*	0.41
Mod.HBI	FH	2	5.29	0.15	0.212	5.14	*	5.29	*	5.44
No.taxa	FH	2	13.5	0.5	0.707	13	*	13.5	*	14
S-W div	FH	2	2.415	0.045	0.0636	2.37	*	2.415	*	2.46
doms/tot	OH	2	0.48	0.03	0.0424	0.45	*	0.48	*	0.51
ept taxa	OH	2	6	1	1.41	5	*	6	*	7
ept/"+cn	OH	2	0.66	0.31	0.438	0.35	*	0.66	*	0.97
ept/tot	OH	2	0.215	0.095	0.1344	0.12	*	0.215	*	0.31
Mod.HBI	OH	2	5.665	0.395	0.559	5.27	*	5.665	*	6.06
No.taxa	OH	2	14	3	4.24	11	*	14	*	17
S-W div	OH	2	2.415	0.035	0.0495	2.38	*	2.415	*	2.45
doms/tot	OM	3	0.417	0.107	0.186	0.24	0.24	0.4	0.61	0.61
ept taxa	OM	3	5.67	1.2	2.08	4	4	5	8	8
ept/"+cn	OM	3	0.69	0.255	0.442	0.18	0.18	0.92	0.97	0.97
ept/tot	OM	3	0.347	0.109	0.189	0.14	0.14	0.39	0.51	0.51
Mod.HBI	OM	3	5.563	0.551	0.954	4.79	4.79	5.27	6.63	6.63
No.taxa	OM	3	12.33	1.45	2.52	10	10	12	15	15
S-W div	OM	3	2.493	0.386	0.669	1.98	1.98	2.25	3.25	3.25

Site Name	WBID	County	Ecoregion	WARM WATER AQ COMM	COOL WATER AQ COMM	HABITAT LIMITED AQ COMM	TROUT FISHERY	FWP - Ammonia (91)	FWP - Oil and Grease (317)	FWP - DO (322)	FWP - Turbidity (413)	FWP - pH (441)	FWP - Fishes Bioassessment, streams (230)	FWP - FINAL SUPPORT STATUS
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	XXX				attaining	not attaining	not attaining	attaining	attaining	attaining	not attaining
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Bird Creek	OK121300-03-0010A	Osage	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Clear Creek	OK121300-03-0200C	Osage	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
North Bird Creek	OK121300-03-0320M	Osage	FH	XXX				attaining	attaining	attaining	attaining	attaining	unassessed	not enough info*
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	XXX				attaining	attaining	attaining	attaining	attaining	unassessed	not enough info*
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	XXX				attaining	attaining	attaining	attaining	attaining	unassessed	not enough info*
Rabb Creek	OK121400-01-0090D	Rogers	CIP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
North Buck Creek	OK121400-03-0210R	Osage	FH	XXX				attaining	attaining	attaining	attaining	attaining	unassessed	not enough info*
Sand Creek	OK121400-04-0010T	Osage	FH	XXX				attaining	attaining	attaining	attaining	attaining	unassessed	not enough info*
Buck Creek	OK121400-04-0050C	Osage	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Lightning Creek	OK121510-01-0130M	Nowata	CIP	XXX				attaining	attaining	attaining	attaining	attaining	undetermined	not enough info*
California Creek	OK121510-02-0050C	Nowata	CIP	XXX				attaining	attaining	not attaining	not attaining	attaining	attaining	not attaining
Snow Creek	OK121510-02-0250F	Nowata	CIP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Big Creek	OK121510-03-0010G	Nowata	CIP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP		XXX			attaining	attaining	attaining	attaining	attaining	attaining	attaining
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	XXX				attaining	attaining	not attaining	not attaining	attaining	attaining	not attaining
Saline Creek	OK121600-02-0030D	Mayes	OH		XXX			attaining	attaining	attaining	attaining	attaining	attaining	attaining
Drowning Creek	OK121600-03-0090G	Delaware	OH		XXX			attaining	attaining	attaining	attaining	attaining	attaining	attaining
Horse Creek	OK121600-03-0160G	Ottawa	CIP	XXX				not attaining	attaining	not attaining	attaining	not attaining	attaining	not attaining
Fly Creek	OK121600-03-0180D	Ottawa	CIP	XXX				attaining	attaining	attaining	attaining	attaining	undetermined	not enough info*
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
Whitewater Creek	OK121600-03-0320G	Delaware	OH		XXX			attaining	attaining	attaining	attaining	attaining	attaining	attaining
Lost Creek	OK121600-03-0560G	Ottawa	OH		XXX			attaining	attaining	attaining	attaining	attaining	attaining	attaining
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	XXX				attaining	attaining	not attaining	not attaining	attaining	undetermined	not attaining
Cow Creek	OK121600-04-0130G	Ottawa	CIP	XXX				attaining	attaining	not attaining	not attaining	attaining	attaining	not attaining
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
Russell Creek	OK121600-04-0200G	Craig	CIP	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
Bull Creek	OK121600-06-0200G	Craig	CIP	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
PawPaw Creek	OK121600-06-0240G	Craig	CIP	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining

Site Name	WBID	County	Ecoregion	WARM WATER AQ COMM	COOL WATER AQ COMM	HABITAT LIMITED AQ COMM	TROUT FISHERY	FWP - Ammonia (91)	FWP - Oil and Grease (317)	FWP - DO (322)	FWP - Turbidity (413)	FWP - pH (441)	FWP - Fishes Bioassessment, streams (230)	FWP - FINAL SUPPORT STATUS
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP		XXX			attaining	attaining	attaining	attaining	attaining	attaining	attaining
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP		XXX			attaining	attaining	attaining	attaining	attaining	attaining	attaining
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Pryor Creek	OK121610-00-0090N	Mayes	CIP	XXX				attaining	attaining	not attaining	not attaining	attaining	attaining	not attaining
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	XXX				attaining	attaining	not attaining	attaining	not attaining	undetermined	not attaining
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	XXX				attaining	attaining	attaining	attaining	not attaining	attaining	not attaining
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	XXX				attaining	attaining	not attaining	attaining	attaining	attaining	not attaining
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	XXX				attaining	attaining	attaining	not attaining	not attaining	attaining	not attaining
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	XXX				attaining	not attaining	not attaining	attaining	not attaining	attaining	not attaining
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	XXX				attaining	attaining	attaining	not attaining	attaining	attaining	not attaining
Gaines Creek	OK220600-04-0010F	Latimer	AV	XXX				attaining	not attaining	not attaining	attaining	not attaining	undetermined	not attaining
Beaver Creek	OK220600-04-0030G	Latimer	AV	XXX				attaining	not attaining	not attaining	not attaining	attaining	undetermined	not attaining
Glasses Creek	OK310800-01-0020M	Marshall	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	XXX				attaining	attaining	attaining	not attaining	attaining	attaining	not attaining
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	XXX				attaining	attaining	attaining	not enough information	not attaining	attaining	not attaining
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	XXX				attaining	attaining	not attaining	attaining	not attaining	attaining	not attaining
Pine Creek	OK410300-03-0580C	Pushmataha	OM	XXX				attaining	attaining	attaining	attaining	not attaining	attaining	not attaining
Dry Creek	OK410310-01-0070C	Pushmataha	OM	XXX				attaining	attaining	attaining	attaining	attaining	undetermined	not enough info*
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	XXX				attaining	attaining	attaining	attaining	not attaining	attaining	not attaining
Eastman Creek	OK410700-00-0230D	Bryan	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Wewoka Creek	OK520500-02-0010E	Hughes	COTP			XXX		attaining	attaining	attaining	not attaining	not attaining	attaining	not attaining
Wewoka Creek	OK520500-02-0010T	Seminole	COTP			XXX		attaining	attaining	attaining	not attaining	not attaining	attaining	not attaining
Turkey Creek	OK520510-00-0100E	Seminole	COTP	XXX				attaining	attaining	attaining	attaining	not attaining	undetermined	not attaining
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Willow Creek	OK520610-01-0080G	Cleveland	CGP	XXX				attaining	attaining	attaining	not attaining	attaining	attaining	not attaining
Captain Creek	OK520700-05-0140C	Lincoln	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining

Site Name	WBID	County	Ecoregion	WARM WATER AQ COMM	COOL WATER AQ COMM	HABITAT LIMITED AQ COMM	TROUT FISHERY	FWP - Ammonia (91)	FWP - Oil and Grease (317)	FWP - DO (322)	FWP - Turbidity (413)	FWP - pH (441)	FWP - Fishes Bioassessment, streams (230)	FWP - FINAL SUPPORT STATUS
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	XXX				attaining	attaining	attaining	not attaining	attaining	attaining	not attaining
Little Deep Fork	OK520700-06-0130T	Creek	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Elm Creek	OK520810-00-0100C	Cleveland	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Lagoon Creek	OK620900-01-0180J	Creek	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Buckeye Creek	OK620900-01-0220G	Creek	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Euchee Creek	OK620900-01-0290R	Payne	COTP	XXX				attaining	attaining	attaining	not attaining	not attaining	undetermined	not attaining
Council Creek	OK620900-02-0050H	Payne	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Gray Horse Creek	OK621200-01-0400T	Osage	FH	XXX				attaining	attaining	attaining	not attaining	attaining	unassessed	not attaining
Doga Creek	OK621200-02-0020M	Osage	COTP	XXX				attaining	attaining	attaining	not attaining	attaining	attaining	not attaining
Camp Creek	OK621200-03-0040F	Pawnee	COTP	XXX				attaining	attaining	attaining	attaining	attaining	attaining	attaining
Salt Creek	OK621200-04-0010J	Osage	FH	XXX				attaining	attaining	attaining	attaining	attaining	unassessed	not enough info*
Little Chief Creek	OK621200-04-0070C	Osage	FH	XXX				attaining	attaining	attaining	attaining	attaining	unassessed	not enough info*

*attaining for the uses assessed

Site Name	WBID	County	Ecoregion	PRIMARY CONTACT (RECR)	PBCR - F. col (400)	PBCR - E coli (217)	PBCR - Enteroc. (215)	PBCR - FINAL SUPPORT STATUS
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	XXX	not enough information	not enough information		not enough information
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	XXX	not enough information	not enough information		not enough information
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	XXX	not attaining	not enough information		not attaining
Bird Creek	OK121300-03-0010A	Osage	COTP	XXX	not attaining	not enough information		not attaining
Clear Creek	OK121300-03-0200C	Osage	COTP	XXX	not attaining	not enough information		not attaining
North Bird Creek	OK121300-03-0320M	Osage	FH	XXX	not attaining	not enough information		not attaining
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	XXX	not attaining	attaining	not attaining	not attaining
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	XXX	not attaining	attaining	not attaining	not attaining
Rabb Creek	OK121400-01-0090D	Rogers	CIP	XXX	not attaining	not enough information		not attaining
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	XXX	not attaining	not attaining	not attaining	not attaining
North Buck Creek	OK121400-03-0210R	Osage	FH	XXX	not enough information	not enough information		not enough information
Sand Creek	OK121400-04-0010T	Osage	FH	XXX	not attaining	not attaining	not attaining	not attaining
Buck Creek	OK121400-04-0050C	Osage	COTP	XXX	not enough information	not enough information		not enough information
Lightning Creek	OK121510-01-0130M	Nowata	CIP	XXX	not enough information	not attaining		not attaining
California Creek	OK121510-02-0050C	Nowata	CIP	XXX	not enough information	not enough information	not attaining	not attaining
Snow Creek	OK121510-02-0250F	Nowata	CIP	XXX	not enough information	not enough information		not enough information
Big Creek	OK121510-03-0010G	Nowata	CIP	XXX	not enough information	not attaining	not attaining	not attaining
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	XXX	not enough information	not attaining	not attaining	not attaining
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	XXX	not attaining	not attaining	not attaining	not attaining
Saline Creek	OK121600-02-0030D	Mayes	OH	XXX	not enough information	not enough information	not attaining	not attaining
Drowning Creek	OK121600-03-0090G	Delaware	OH	XXX	not enough information	not attaining	not attaining	not attaining
Horse Creek	OK121600-03-0160G	Ottawa	CIP	XXX	not attaining	not attaining	not attaining	not attaining
Fly Creek	OK121600-03-0180D	Ottawa	CIP	XXX	not attaining	not enough information		not attaining
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	XXX	not attaining	not attaining		not attaining
Whitewater Creek	OK121600-03-0320G	Delaware	OH	XXX	not enough information	not enough information		not enough information
Lost Creek	OK121600-03-0560G	Ottawa	OH	XXX	not enough information	not enough information		not enough information
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	XXX	not enough information	not enough information		not enough information
Cow Creek	OK121600-04-0130G	Ottawa	CIP	XXX	not attaining	not enough information		not attaining
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	XXX	not attaining	not enough information		not attaining
Russell Creek	OK121600-04-0200G	Craig	CIP	XXX	not attaining	not enough information		not attaining
Bull Creek	OK121600-06-0200G	Craig	CIP	XXX	not attaining	not attaining		not attaining
PawPaw Creek	OK121600-06-0240G	Craig	CIP	XXX	not attaining	not attaining		not attaining

Site Name	WBID	County	Ecoregion	PRIMARY CONTACT (RECR)	PBCR - F. col (400)	PBCR - E coli (217)	PBCR - Enteroc. (215)	PBCR - FINAL SUPPORT STATUS
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	XXX	not enough information	not enough information		not enough information
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	XXX	not enough information	not enough information	not enough information	not enough information
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	XXX	not enough information	not enough information		not enough information
Pryor Creek	OK121610-00-0090N	Mayes	CIP	XXX	not enough information	not attaining		not attaining
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	XXX	attaining	not attaining		not attaining
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	XXX	attaining	not attaining		not attaining
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	XXX	not enough information	not attaining	not attaining	not attaining
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	XXX	not enough information	not attaining		not attaining
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	XXX	not attaining	not attaining	not attaining	not attaining
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	XXX	not attaining	not attaining		not attaining
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	XXX	not attaining	not enough information		not attaining
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	XXX	not attaining			not attaining
Gaines Creek	OK220600-04-0010F	Latimer	AV	XXX	not enough information	not enough information		not enough information
Beaver Creek	OK220600-04-0030G	Latimer	AV	XXX	not attaining	not attaining		not attaining
Glasses Creek	OK310800-01-0020M	Marshall	COTP	XXX	not enough information	not enough information		not enough information
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	XXX	not attaining	not enough information		not attaining
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	XXX	not attaining			not attaining
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	XXX	not attaining	not enough information		not attaining
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	XXX	not attaining	not enough information		not attaining
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	XXX	not enough information	not enough information		not enough information
Pine Creek	OK410300-03-0580C	Pushmataha	OM	XXX	not enough information	not enough information		not enough information
Dry Creek	OK410310-01-0070C	Pushmataha	OM	XXX	not enough information	not attaining		not attaining
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	XXX	not attaining	not attaining		not attaining
Eastman Creek	OK410700-00-0230D	Bryan	COTP	XXX	not enough information	not enough information		not enough information
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	XXX	not attaining	not attaining		not attaining
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	XXX	not attaining	not attaining		not attaining
Turkey Creek	OK520510-00-0100E	Seminole	COTP	XXX	not enough information	not enough information		not enough information
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	XXX	not attaining	not attaining		not attaining
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	XXX	not attaining	not attaining		not attaining
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	XXX	not attaining			not attaining
Willow Creek	OK520610-01-0080G	Cleveland	CGP	XXX	not attaining	not attaining		not attaining
Captain Creek	OK520700-05-0140C	Lincoln	COTP	XXX	not enough information	not attaining		not attaining

Site Name	WBID	County	Ecoregion	PRIMARY CONTACT (RECR)	PBCR - F. col (400)	PBCR - E coli (217)	PBCR - Enteroc. (215)	PBCR - FINAL SUPPORT STATUS
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	XXX	not enough information	not enough information		not enough information
Little Deep Fork	OK520700-06-0130T	Creek	COTP	XXX	not attaining	not attaining	not attaining	not attaining
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	XXX	not attaining	not attaining	not attaining	not attaining
Elm Creek	OK520810-00-0100C	Cleveland	COTP	XXX	not enough information	not attaining		not attaining
Lagoon Creek	OK620900-01-0180J	Creek	COTP	XXX	not enough information	not attaining	not attaining	not attaining
Buckeye Creek	OK620900-01-0220G	Creek	COTP	XXX	not enough information			not enough information
Euchee Creek	OK620900-01-0290R	Payne	COTP	XXX	not enough information	not enough information	not attaining	not attaining
Council Creek	OK620900-02-0050H	Payne	COTP	XXX	not attaining	not attaining	not enough information	not attaining
Gray Horse Creek	OK621200-01-0400T	Osage	FH	XXX	not attaining	not attaining	not attaining	not attaining
Doga Creek	OK621200-02-0020M	Osage	COTP	XXX	not attaining	not attaining	not attaining	not attaining
Camp Creek	OK621200-03-0040F	Pawnee	COTP	XXX	not enough information			not enough information
Salt Creek	OK621200-04-0010J	Osage	FH	XXX	not enough information	not attaining	not enough information	not attaining
Little Chief Creek	OK621200-04-0070C	Osage	FH	XXX	not attaining	not enough information		not attaining

Site Name	WBID	County	Ecoregion	PUBLIC/PRIVATE WATER SUP	PPWS - Nitrates (302)	PPWS - F. col (400)	PPWS - Oil and Grease (317)	PPWS - FINAL SUPPORT STATUS
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	XXX	attaining	not attaining	attaining	not attaining
Bird Creek	OK121300-03-0010A	Osage	COTP	XXX	attaining	not attaining	attaining	not attaining
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	XXX	attaining	not attaining	attaining	not attaining
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	XXX	attaining	not attaining	attaining	not attaining
North Buck Creek	OK121400-03-0210R	Osage	FH	XXX	attaining	attaining	attaining	attaining
Sand Creek	OK121400-04-0010T	Osage	FH	XXX	attaining	not attaining	attaining	not attaining
Buck Creek	OK121400-04-0050C	Osage	COTP	XXX	attaining	attaining	attaining	attaining
Lightning Creek	OK121510-01-0130M	Nowata	CIP	XXX	attaining	attaining	attaining	attaining
California Creek	OK121510-02-0050C	Nowata	CIP	XXX	attaining	attaining	attaining	attaining
Snow Creek	OK121510-02-0250F	Nowata	CIP	XXX	attaining	not attaining	attaining	not attaining
Big Creek	OK121510-03-0010G	Nowata	CIP	XXX	attaining	not attaining	attaining	not attaining
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	XXX	attaining	attaining	attaining	attaining
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	XXX	attaining	not attaining	attaining	not attaining
Saline Creek	OK121600-02-0030D	Mayes	OH	XXX	attaining	attaining	attaining	attaining
Drowning Creek	OK121600-03-0090G	Delaware	OH	XXX	attaining	attaining	attaining	attaining
Whitewater Creek	OK121600-03-0320G	Delaware	OH	XXX	attaining	attaining	attaining	attaining
Lost Creek	OK121600-03-0560G	Ottawa	OH	XXX	attaining	not enough information	attaining	not enough information
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	XXX	attaining	not enough information	attaining	not enough information
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	XXX	attaining	attaining	attaining	attaining
Pryor Creek	OK121610-00-0090N	Mayes	CIP	XXX	attaining	not attaining	attaining	not attaining
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	XXX	attaining	attaining	attaining	attaining
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	XXX	attaining	attaining	attaining	attaining
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	XXX	attaining	attaining	attaining	attaining
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	XXX	attaining	attaining	attaining	attaining
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	XXX	attaining	attaining	attaining	attaining
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	XXX	attaining	attaining	not attaining	not attaining
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	XXX	attaining	not attaining	attaining	not attaining
Gaines Creek	OK220600-04-0010F	Latimer	AV	XXX	attaining	attaining	not attaining	not attaining
Glasses Creek	OK310800-01-0020M	Marshall	COTP	XXX	attaining	attaining	attaining	attaining
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	XXX	attaining	not attaining	attaining	not attaining
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	XXX	attaining	attaining	attaining	attaining
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	XXX	attaining	not attaining	attaining	not attaining

Site Name	WBID	County	Ecoregion	PUBLIC/PRIVATE WATER SUP	PPWS - Nitrates (302)	PPWS - F. col (400)	PPWS - Oil and Grease (317)	PPWS - FINAL SUPPORT STATUS
Turkey Creek	OK520510-00-0100E	Seminole	COTP	XXX	attaining	attaining	attaining	attaining
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	XXX	attaining	not attaining	attaining	not attaining
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	XXX	attaining	attaining	attaining	attaining
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	XXX	attaining	not attaining	attaining	not attaining
Captain Creek	OK520700-05-0140C	Lincoln	COTP	XXX	attaining	attaining	attaining	attaining
Little Deep Fork	OK520700-06-0130T	Creek	COTP	XXX	attaining	attaining	attaining	attaining
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	XXX	attaining	not attaining	attaining	not attaining
Elm Creek	OK520810-00-0100C	Cleveland	COTP	XXX	attaining	attaining	attaining	attaining
Council Creek	OK620900-02-0050H	Payne	COTP	XXX	attaining	attaining	attaining	attaining
Doga Creek	OK621200-02-0020M	Osage	COTP	XXX	attaining	attaining	attaining	attaining
Camp Creek	OK621200-03-0040F	Pawnee	COTP	XXX	attaining	attaining	attaining	attaining
Salt Creek	OK621200-04-0010J	Osage	FH	XXX	attaining	attaining	attaining	attaining
Little Chief Creek	OK621200-04-0070C	Osage	FH	XXX	attaining	not attaining	attaining	not attaining

Site Name	WBID	County	Ecoregion	AGRICULTURE	Ag - Sulfates (385)	Ag - Chloride (138)	Ag - TDS (399)	AG - FINAL SUPPORT STATUS
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	XXX	attaining	attaining		attaining
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	XXX	attaining	attaining		attaining
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	XXX	attaining	attaining		attaining
Bird Creek	OK121300-03-0010A	Osage	COTP	XXX	attaining	attaining		attaining
Clear Creek	OK121300-03-0200C	Osage	COTP	XXX	attaining	attaining		attaining
North Bird Creek	OK121300-03-0320M	Osage	FH	XXX	attaining	attaining		attaining
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	XXX	attaining	not attaining	not attaining	not attaining
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	XXX	attaining	not attaining	not attaining	not attaining
Rabb Creek	OK121400-01-0090D	Rogers	CIP	XXX	attaining	attaining		attaining
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	XXX	attaining	attaining	attaining	attaining
North Buck Creek	OK121400-03-0210R	Osage	FH	XXX	attaining	attaining		attaining
Sand Creek	OK121400-04-0010T	Osage	FH	XXX	attaining	attaining	attaining	attaining
Buck Creek	OK121400-04-0050C	Osage	COTP	XXX	attaining	attaining		attaining
Lightning Creek	OK121510-01-0130M	Nowata	CIP	XXX	not attaining	attaining		not attaining
California Creek	OK121510-02-0050C	Nowata	CIP	XXX	attaining	attaining	attaining	attaining
Snow Creek	OK121510-02-0250F	Nowata	CIP	XXX	attaining	attaining		attaining
Big Creek	OK121510-03-0010G	Nowata	CIP	XXX	attaining	attaining	attaining	attaining
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	XXX	attaining	attaining	attaining	attaining
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	XXX	attaining	attaining	not attaining	not attaining
Saline Creek	OK121600-02-0030D	Mayes	OH	XXX	attaining	attaining	attaining	attaining
Drowning Creek	OK121600-03-0090G	Delaware	OH	XXX	attaining	not attaining	not attaining	not attaining
Horse Creek	OK121600-03-0160G	Ottawa	CIP	XXX	attaining	not attaining		not attaining
Fly Creek	OK121600-03-0180D	Ottawa	CIP	XXX	attaining	attaining		attaining
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	XXX	attaining	attaining	not attaining	not attaining
Whitewater Creek	OK121600-03-0320G	Delaware	OH	XXX	attaining	attaining		attaining
Lost Creek	OK121600-03-0560G	Ottawa	OH	XXX	attaining	attaining		attaining
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	XXX	attaining	attaining		attaining
Cow Creek	OK121600-04-0130G	Ottawa	CIP	XXX	attaining	attaining		attaining
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	XXX	attaining	attaining		attaining
Russell Creek	OK121600-04-0200G	Craig	CIP	XXX	not attaining	attaining		not attaining
Bull Creek	OK121600-06-0200G	Craig	CIP	XXX	not attaining	not attaining		not attaining
PawPaw Creek	OK121600-06-0240G	Craig	CIP	XXX	not attaining	attaining		not attaining

Site Name	WBID	County	Ecoregion	AGRICULTURE	Ag - Sulfates (385)	Ag - Chloride (138)	Ag - TDS (399)	AG - FINAL SUPPORT STATUS
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	XXX	attaining	attaining		attaining
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	XXX	attaining	attaining	attaining	attaining
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	XXX	attaining	attaining		attaining
Pryor Creek	OK121610-00-0090N	Mayes	CIP	XXX	attaining	attaining		attaining
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	XXX	not attaining	attaining		not attaining
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	XXX	not attaining	attaining		not attaining
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	XXX	attaining	attaining		attaining
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	XXX	attaining	attaining		attaining
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	XXX	attaining	attaining		attaining
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	XXX	attaining	attaining		attaining
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	XXX	attaining	attaining		attaining
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	XXX	attaining	attaining		attaining
Gaines Creek	OK220600-04-0010F	Latimer	AV	XXX	attaining	attaining		attaining
Beaver Creek	OK220600-04-0030G	Latimer	AV	XXX	attaining	attaining		attaining
Glasses Creek	OK310800-01-0020M	Marshall	COTP	XXX	attaining	attaining		attaining
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	XXX	attaining	attaining		attaining
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	XXX	attaining	attaining		attaining
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	XXX	attaining	attaining		attaining
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	XXX	attaining	attaining		attaining
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	XXX	attaining	attaining		attaining
Pine Creek	OK410300-03-0580C	Pushmataha	OM	XXX	attaining	attaining		attaining
Dry Creek	OK410310-01-0070C	Pushmataha	OM	XXX	not attaining	attaining		not attaining
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	XXX	not attaining	attaining		not attaining
Eastman Creek	OK410700-00-0230D	Bryan	COTP	XXX	attaining	attaining		attaining
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	XXX	attaining	not attaining		not attaining
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	XXX	attaining	not attaining		not attaining
Turkey Creek	OK520510-00-0100E	Seminole	COTP	XXX	attaining	not attaining		not attaining
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	XXX	attaining	attaining		attaining
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	XXX	attaining	not attaining		not attaining
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	XXX	attaining	attaining		attaining
Willow Creek	OK520610-01-0080G	Cleveland	CGP	XXX	attaining	attaining		attaining
Captain Creek	OK520700-05-0140C	Lincoln	COTP	XXX	attaining	attaining		attaining

Site Name	WBID	County	Ecoregion	AGRICULTURE	Ag - Sulfates (385)	Ag - Chloride (138)	Ag - TDS (399)	AG - FINAL SUPPORT STATUS
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	XXX	attaining	attaining		attaining
Little Deep Fork	OK520700-06-0130T	Creek	COTP	XXX	attaining	attaining		attaining
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	XXX	attaining	attaining		attaining
Elm Creek	OK520810-00-0100C	Cleveland	COTP	XXX	attaining	attaining		attaining
Lagoon Creek	OK620900-01-0180J	Creek	COTP	XXX	attaining	attaining	not enough information	attaining
Buckeye Creek	OK620900-01-0220G	Creek	COTP	XXX	attaining	attaining		attaining
Euchee Creek	OK620900-01-0290R	Payne	COTP	XXX	attaining	attaining	not enough information	attaining
Council Creek	OK620900-02-0050H	Payne	COTP	XXX	attaining	attaining	not enough information	attaining
Gray Horse Creek	OK621200-01-0400T	Osage	FH	XXX	attaining	attaining	not enough information	attaining
Doga Creek	OK621200-02-0020M	Osage	COTP	XXX	attaining	attaining	not enough information	attaining
Camp Creek	OK621200-03-0040F	Pawnee	COTP	XXX	attaining	attaining		attaining
Salt Creek	OK621200-04-0010J	Osage	FH	XXX	attaining	attaining	attaining	attaining
Little Chief Creek	OK621200-04-0070C	Osage	FH	XXX	attaining	attaining		attaining

Site Name	WBID	County	Ecoregion	AESTHETICS	Aesthetics - Nutients (302, 462)	Aesthetics - Oil and Grease (317)	AESTHETICS - FINAL SUPPORT STATUS
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	XXX	attaining	attaining	attaining
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	XXX	attaining	not attaining	not attaining
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	XXX	attaining	attaining	attaining
Bird Creek	OK121300-03-0010A	Osage	COTP	XXX	attaining	attaining	attaining
Clear Creek	OK121300-03-0200C	Osage	COTP	XXX	attaining	attaining	attaining
North Bird Creek	OK121300-03-0320M	Osage	FH	XXX	attaining	attaining	attaining
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	XXX	attaining	attaining	attaining
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	XXX	attaining	attaining	attaining
Rabb Creek	OK121400-01-0090D	Rogers	CIP	XXX	attaining	attaining	attaining
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	XXX	attaining	attaining	attaining
North Buck Creek	OK121400-03-0210R	Osage	FH	XXX	attaining	attaining	attaining
Sand Creek	OK121400-04-0010T	Osage	FH	XXX	attaining	attaining	attaining
Buck Creek	OK121400-04-0050C	Osage	COTP	XXX	attaining	attaining	attaining
Lightning Creek	OK121510-01-0130M	Nowata	CIP	XXX	attaining	attaining	attaining
California Creek	OK121510-02-0050C	Nowata	CIP	XXX	attaining	attaining	attaining
Snow Creek	OK121510-02-0250F	Nowata	CIP	XXX	attaining	attaining	attaining
Big Creek	OK121510-03-0010G	Nowata	CIP	XXX	attaining	attaining	attaining
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	XXX	attaining	attaining	attaining
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	XXX	attaining	attaining	attaining
Saline Creek	OK121600-02-0030D	Mayes	OH	XXX	attaining	attaining	attaining
Drowning Creek	OK121600-03-0090G	Delaware	OH	XXX	attaining	attaining	attaining
Horse Creek	OK121600-03-0160G	Ottawa	CIP	XXX	not enough information	attaining	not enough information
Fly Creek	OK121600-03-0180D	Ottawa	CIP	XXX	attaining	attaining	attaining
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	XXX	not enough information	attaining	not enough information
Whitewater Creek	OK121600-03-0320G	Delaware	OH	XXX	attaining	attaining	attaining
Lost Creek	OK121600-03-0560G	Ottawa	OH	XXX	attaining	attaining	attaining
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	XXX	attaining	attaining	attaining
Cow Creek	OK121600-04-0130G	Ottawa	CIP	XXX	attaining	attaining	attaining
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	XXX	not enough information	attaining	not enough information
Russell Creek	OK121600-04-0200G	Craig	CIP	XXX	attaining	attaining	attaining
Bull Creek	OK121600-06-0200G	Craig	CIP	XXX	attaining	attaining	attaining
PawPaw Creek	OK121600-06-0240G	Craig	CIP	XXX	attaining	attaining	attaining

Site Name	WBID	County	Ecoregion	AESTHETICS	Aesthetics - Nutients (302, 462)	Aesthetics - Oil and Grease (317)	AESTHETICS - FINAL SUPPORT STATUS
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	XXX	attaining	attaining	attaining
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	XXX	attaining	attaining	attaining
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	XXX	attaining	attaining	attaining
Pryor Creek	OK121610-00-0090N	Mayes	CIP	XXX	attaining	attaining	attaining
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	XXX	attaining	attaining	attaining
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	XXX	attaining	attaining	attaining
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	XXX	attaining	attaining	attaining
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	XXX	attaining	attaining	attaining
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	XXX	attaining	attaining	attaining
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	XXX	attaining	attaining	attaining
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	XXX	attaining	not attaining	not attaining
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	XXX	attaining	attaining	attaining
Gaines Creek	OK220600-04-0010F	Latimer	AV	XXX	attaining	not attaining	not attaining
Beaver Creek	OK220600-04-0030G	Latimer	AV	XXX	attaining	not attaining	not attaining
Glasses Creek	OK310800-01-0020M	Marshall	COTP	XXX	not enough information	attaining	not enough information
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	XXX	attaining	attaining	attaining
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	XXX	attaining	attaining	attaining
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	XXX	attaining	attaining	attaining
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	XXX	attaining	attaining	attaining
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	XXX	attaining	attaining	attaining
Pine Creek	OK410300-03-0580C	Pushmataha	OM	XXX	attaining	attaining	attaining
Dry Creek	OK410310-01-0070C	Pushmataha	OM	XXX	attaining	attaining	attaining
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	XXX	attaining	attaining	attaining
Eastman Creek	OK410700-00-0230D	Bryan	COTP	XXX	attaining	attaining	attaining
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	XXX	attaining	attaining	attaining
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	XXX	attaining	attaining	attaining
Turkey Creek	OK520510-00-0100E	Seminole	COTP	XXX	attaining	attaining	attaining
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	XXX	attaining	attaining	attaining
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	XXX	attaining	attaining	attaining
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	XXX	not enough information	attaining	not enough information
Willow Creek	OK520610-01-0080G	Cleveland	CGP	XXX	attaining	attaining	attaining
Captain Creek	OK520700-05-0140C	Lincoln	COTP	XXX	attaining	attaining	attaining

Site Name	WBID	County	Ecoregion	AESTHETICS	Aesthetics - Nutients (302, 462)	Aesthetics - Oil and Grease (317)	AESTHETICS - FINAL SUPPORT STATUS
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	XXX	attaining	attaining	attaining
Little Deep Fork	OK520700-06-0130T	Creek	COTP	XXX	attaining	attaining	attaining
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	XXX	attaining	attaining	attaining
Elm Creek	OK520810-00-0100C	Cleveland	COTP	XXX	attaining	attaining	attaining
Lagoon Creek	OK620900-01-0180J	Creek	COTP	XXX	attaining	attaining	attaining
Buckeye Creek	OK620900-01-0220G	Creek	COTP	XXX	attaining	attaining	attaining
Euchee Creek	OK620900-01-0290R	Payne	COTP	XXX	attaining	attaining	attaining
Council Creek	OK620900-02-0050H	Payne	COTP	XXX	attaining	attaining	attaining
Gray Horse Creek	OK621200-01-0400T	Osage	FH	XXX	attaining	attaining	attaining
Doga Creek	OK621200-02-0020M	Osage	COTP	XXX	attaining	attaining	attaining
Camp Creek	OK621200-03-0040F	Pawnee	COTP	XXX	attaining	attaining	attaining
Salt Creek	OK621200-04-0010J	Osage	FH	XXX	attaining	attaining	attaining
Little Chief Creek	OK621200-04-0070C	Osage	FH	XXX	attaining	attaining	attaining

Site Name	WBID	County	Ecoregion	FWP - FINAL SUPPORT STATUS	PBCR - FINAL SUPPORT STATUS	PPWS - FINAL SUPPORT STATUS	AG - FINAL SUPPORT STATUS	AESTHETICS - FINAL SUPPORT STATUS
South Fork of Dirty Creek	OK120400-02-0030F	Muskogee	AV	Not Att	NEI	na	Att	Not Att
Brazil Creek: LeFlore Co.	OK220100-03-0010G	LeFlore	AV	Not Att	Not Att	Att	Not Att	Att
Brazil Creek: Latimer Co.	OK220100-03-0010T	Latimer	AV	Not Att	Not Att	Att	Not Att	Att
San Bois Creek	OK220200-04-0010W	Pittsburg	AV	Not Att	Not Att	Att	Att	Att
Mountain Fork of San Bois Creek	OK220200-04-0050J	Haskell	AV	Not Att	Not Att	na	Att	Att
Longtown Creek	OK220600-01-0070G	Pittsburg	AV	Not Att	Not Att	Att	Att	Att
Gaines Creek	OK220600-04-0010F	Latimer	AV	Not Att	NEI	Not Att	Att	Not Att
Beaver Creek	OK220600-04-0030G	Latimer	AV	Not Att	Not Att	na	Att	Not Att
Willow Creek	OK520610-01-0080G	Cleveland	CGP	Not Att	Not Att	na	Att	Att
Deep Fork River: Eastern	OK520710-02-0060G	Oklahoma	CGP	Att	Not Att	Not Att	Att	Att
Greenleaf Creek	OK120400-01-0120C	Muskogee	CIP	Att	NEI	na	Att	Att
Rabb Creek	OK121400-01-0090D	Rogers	CIP	Att	Not Att	na	Att	Att
Hogshooter Creek	OK121400-01-0300J	Washington	CIP	Not Att	Not Att	na	Att	Att
Lightning Creek	OK121510-01-0130M	Nowata	CIP	NOE*	Not Att	Att	Not Att	Att
California Creek	OK121510-02-0050C	Nowata	CIP	Not Att	Not Att	Att	Att	Att
Snow Creek	OK121510-02-0250F	Nowata	CIP	Att	NEI	Not Att	Att	Att
Big Creek	OK121510-03-0010G	Nowata	CIP	Att	Not Att	Not Att	Att	Att
Fourteenmile Creek	OK121600-01-0100C	Cherokee	CIP	Att	Not Att	Att	Att	Att
Chouteau Creek	OK121600-01-0430M	Mayes	CIP	Not Att	Not Att	Not Att	Not Att	Att
Horse Creek	OK121600-03-0160G	Ottawa	CIP	Not Att	Not Att	na	Not Att	NEI
Fly Creek	OK121600-03-0180D	Ottawa	CIP	NOE*	Not Att	na	Att	Att
Little Horse Creek	OK121600-03-0190A	Ottawa	CIP	Not Att	Not Att	na	Not Att	NEI
Hudson Creek	OK121600-04-0040G	Ottawa	CIP	Not Att	NEI	na	Att	Att
Cow Creek	OK121600-04-0130G	Ottawa	CIP	Not Att	Not Att	na	Att	Att
Fourmile Creek	OK121600-04-0170G	Ottawa	CIP	Not Att	Not Att	na	Att	NEI
Russell Creek	OK121600-04-0200G	Craig	CIP	Not Att	Not Att	na	Not Att	Att
Bull Creek	OK121600-06-0200G	Craig	CIP	Not Att	Not Att	na	Not Att	Att
PawPaw Creek	OK121600-06-0240G	Craig	CIP	Not Att	Not Att	na	Not Att	Att
Warren Branch Creek	OK121600-07-0050G	Ottawa	CIP	Att	NEI	NEI	Att	Att
Fivemile Creek	OK121600-07-0110G	Ottawa	CIP	Att	NEI	Att	Att	Att
Little Fivemile Creek	OK121600-07-0120D	Ottawa	CIP	Att	NEI	na	Att	Att
Pryor Creek	OK121610-00-0090N	Mayes	CIP	Not Att	Not Att	Not Att	Att	Att
Candy Creek: Site # 1	OK121300-02-0080G	Osage	COTP	Att	Not Att	Not Att	Att	Att
Bird Creek	OK121300-03-0010A	Osage	COTP	Att	Not Att	Not Att	Att	Att
Clear Creek	OK121300-03-0200C	Osage	COTP	Att	Not Att	na	Att	Att
Buck Creek	OK121400-04-0050C	Osage	COTP	Att	NEI	Att	Att	Att
Mill Creek: Trib. To Eufaula	OK220600-01-0100P	McIntosh	COTP	Not Att	Not Att	Att	Att	Att
Peaceable Creek	OK220600-03-0050M	Pittsburg	COTP	Not Att	Not Att	Not Att	Att	Att
Glasses Creek	OK310800-01-0020M	Marshall	COTP	Att	NEI	Att	Att	NEI
Oil Creek	OK310800-01-0240P	Carter/Johnson	COTP	Att	Not Att	Not Att	Att	Att
Sand Branch Creek	OK310800-02-0040C	Carter	COTP	Not Att	Not Att	na	Att	Att
Chigley Sandy Creek	OK310800-02-0190K	Murray	COTP	Att	Not Att	Att	Att	Att
Dumpling Creek	OK410300-03-0210C	Pushmataha	COTP	Not Att	Not Att	na	Att	Att
Tenmile Creek	OK410300-03-0270M	Pushmataha	COTP	Not Att	NEI	Not Att	Att	Att
Eastman Creek	OK410700-00-0230D	Bryan	COTP	Att	NEI	na	Att	Att
Wewoka Creek	OK520500-02-0010E	Hughes	COTP	Not Att	Not Att	na	Not Att	Att
Wewoka Creek	OK520500-02-0010T	Seminole	COTP	Not Att	Not Att	na	Not Att	Att

Site Name	WBID	County	Ecoregion	FWP - FINAL SUPPORT STATUS	PBCR - FINAL SUPPORT STATUS	PPWS - FINAL SUPPORT STATUS	AG - FINAL SUPPORT STATUS	AESTHETICS - FINAL SUPPORT STATUS
Turkey Creek	OK520510-00-0100E	Seminole	COTP	Not Att	NEI	Att	Not Att	Att
Factory Creek	OK520600-01-0060P	Pontotoc	COTP	Att	Not Att	Not Att	Att	Att
Julian Creek	OK520600-02-0170B	Pottawatomie	COTP	Att	Not Att	Att	Not Att	Att
Spring Brook Creek	OK520600-03-0030E	Pontotoc	COTP	Att	Not Att	Not Att	Att	NEI
Captain Creek	OK520700-05-0140C	Lincoln	COTP	Att	Not Att	Att	Att	Att
Opossum Creek	OK520700-05-0200C	Cleveland	COTP	Not Att	NEI	na	Att	Att
Little Deep Fork	OK520700-06-0130T	Creek	COTP	Att	Not Att	Att	Att	Att
Elm Creek	OK520810-00-0100C	Cleveland	COTP	Att	Not Att	Att	Att	Att
Lagoon Creek	OK620900-01-0180J	Creek	COTP	Att	Not Att	na	Att	Att
Buckeye Creek	OK620900-01-0220G	Creek	COTP	Att	NEI	na	Att	Att
Euchee Creek	OK620900-01-0290R	Payne	COTP	Not Att	Not Att	na	Att	Att
Council Creek	OK620900-02-0050H	Payne	COTP	Att	Not Att	Att	Att	Att
Doga Creek	OK621200-02-0020M	Osage	COTP	Not Att	Not Att	Att	Att	Att
Camp Creek	OK621200-03-0040F	Pawnee	COTP	Att	NEI	Att	Att	Att
North Bird Creek	OK121300-03-0320M	Osage	FH	NOE*	Not Att	na	Att	Att
Hominy Creek: Downstream	OK121300-04-0280M	Osage	FH	NOE*	Not Att	Not Att	Not Att	Att
Hominy Creek: Upstream	OK121300-04-0280R	Osage	FH	NOE*	Not Att	Not Att	Not Att	Att
North Buck Creek	OK121400-03-0210R	Osage	FH	NOE*	NEI	Att	Att	Att
Sand Creek	OK121400-04-0010T	Osage	FH	NOE*	Not Att	Not Att	Att	Att
Gray Horse Creek	OK621200-01-0400T	Osage	FH	Not Att	Not Att	na	Att	Att
Salt Creek	OK621200-04-0010J	Osage	FH	NOE*	Not Att	Att	Att	Att
Little Chief Creek	OK621200-04-0070C	Osage	FH	NOE*	Not Att	Not Att	Att	Att
Saline Creek	OK121600-02-0030D	Mayes	OH	Att	Not Att	Att	Att	Att
Drowning Creek	OK121600-03-0090G	Delaware	OH	Att	Not Att	Att	Not Att	Att
Whitewater Creek	OK121600-03-0320G	Delaware	OH	Att	NEI	Att	Att	Att
Lost Creek	OK121600-03-0560G	Ottawa	OH	Att	NEI	NEI	Att	Att
Brushy Creek	OK220600-03-0010T	Pittsburg	OM	Not Att	Not Att	Not Att	Att	Not Att
Pine Creek	OK410300-03-0580C	Pushmataha	OM	Not Att	NEI	na	Att	Att
Dry Creek	OK410310-01-0070C	Pushmataha	OM	NOE*	Not Att	na	Not Att	Att
Bolen Creek	OK410310-03-0090G	Pittsburg	OM	Not Att	Not Att	na	Not Att	Att

*attaining for all parameters assessed