

WATERSHED STRUCTURE INSPECTION REPORT

Watershed: _____ Site #: _____ Hazard Class (H/S/L): _____ County: _____

Date of Inspection: _____ Inspection Team Members: _____

Sponsor: _____ Legal Description: Sec _____ T _____ R _____

ITEM				REMARKS
				"YES"/"POOR" responses need remarks. (ie: What? Where? Extent?)
Inlet Structure				
1. Has inlet been modified to alter water surface?	YES	NO		
2. Is the trash rack or tower obstructed, plugged, or non-functional?	YES	NO		
3. Was drain gate determined not operational?	YES	NOT	NO	
	TESTED			
4. Are components missing, broken, or deteriorated?	YES	NO		Components missing, broken, or deteriorated: Drain Gate Item Handwheel <input type="checkbox"/> Manhole Cover <input type="checkbox"/> Trash Rack <input type="checkbox"/> Vent Pipe
5. Tower structural condition: <i>(Poor - Rebar exposed, leakage, deep corrosion, leaning, or damaged; Fair - Slight spalling, cracking, surface rust; Good - No deterioration)</i>	POOR	FAIR	GOOD	
Embankment				
6. Condition of front slope wave erosion: <i>(Poor - 7+ ft vertical wave erosion; Fair- 2-7 ft vertical wave erosion; Good - < 2 ft vertical wave erosion)</i>	7+ ft	2-7 ft	< 2 ft	
7. Is the top of dam vulnerable to overtopping failure due to lowered elevation and/or an easily erodible condition? <i>(Examples: Trails/Ruts, Settlement, Earthwork, Erosion, Trees, Holes)</i>	YES	NO		
8. Condition of embankment grass cover: <i>(Poor - Bare or inconsistent; Fair - Short or heavily grazed; Good - Healthy and consistent)</i>	POOR	FAIR	GOOD	
9. Trees or brush presence: <i>(Poor - Dense trees or brush; Fair - Trees or brush < 3 years old; Good - No trees or brush)</i>	POOR	FAIR	GOOD	Location(s): <input type="checkbox"/> Waterline Upslope <input type="checkbox"/> Top of dam <input type="checkbox"/> Downslope <input type="checkbox"/> Abutment
10. Condition of erosion (ex. vehicle/cattle trails): <i>(Poor - Repair requires heavy equipment; Fair - Erosion present but insignificant; Good - No erosion present)</i>	POOR	FAIR	GOOD	
11. Animal burrows or holes? <i>(Please note animal type in remarks section)</i>	YES	NO		Location(s): <input type="checkbox"/> Waterline <input type="checkbox"/> Upstream slope <input type="checkbox"/> Downstream Toe <input type="checkbox"/> Other
12. Visible and significant slope movement or sloughing?	YES	NO		
13. Cracks in embankment and/or abutments: <i>(Poor - Cracks > 1 ft in depth or > 15 ft in length; Fair - Cracks < 1 ft in depth and < 15 ft in length; Good - No cracks)</i>	POOR	FAIR	GOOD	Location(s): <input type="checkbox"/> Embankment <input type="checkbox"/> Abutment
14. Is there poor physical or visual access to the downstream groin and toe for inspection?	YES	NO		
15. Condition of seepage: <i>(Poor - Seepage has concentrated points (boil) or is carrying fines; Fair - General wet areas with flow < 1 gpm; Good - No seepage)</i>	POOR	FAIR	GOOD	
16. Condition of foundation drains: <i>(Poor - Cloudy flow, damaged, could not find, or none present; Fair - Present but no evidence of flow; Good - Present and flowing)</i>	POOR	FAIR	GOOD	<input type="checkbox"/> Could not find
Conduit				
17. Overall conduit condition: <i>(Poor - Damaged condition that could impact the dam's function; Fair - Some deterioration that won't impact function; Good-No deterioration)</i>	POOR	FAIR	GOOD	<input type="checkbox"/> Does the conduit condition merit an in-depth video inspection?
18. Is there leakage into the principal spillway?	YES	COULD	NO	Suspected Source(s): Tower <input type="checkbox"/> Gate valve <input type="checkbox"/> Conduit <input type="checkbox"/> Unknown
	NOT TELL			
19. Is conduit outlet support failing?	YES	MINOR	NO	
	UNDERMINING			

Principal Spillway Outlet Basin and Channel

20. Is the outlet basin degrading? <i>(Poor - Degradation could impact the dam's function; Fair - Minor degradation that will not impact function; Good-No degradation)</i>	POOR	FAIR	GOOD	
21. Is outlet channel obstructed? <i>(Poor - Water submerges the conduit outlet or backs water on the dam; Fair - Obstruction will not impact the dam's function; Good-No obstruction)</i>	POOR	FAIR	GOOD	Obstruction: <input type="checkbox"/> Beaver <input type="checkbox"/> Debris <input type="checkbox"/> Road <input type="checkbox"/> Sediment/Vegetation <input type="checkbox"/> Other
22. Is there outlet channel erosion that could compromise principal spillway function or the dam?	YES		NO	

Auxiliary Spillway

23. Auxiliary spillway grass cover: <i>(Poor - Bare or inconsistent cover; Fair - Short or heavily grazed cover; Good - Healthy and consistent cover)</i>	POOR	FAIR	GOOD	
24. Is flow area obstructed with debris, trees, or objects?	YES		NO	Obstruction: <input type="checkbox"/> Brush/Trees <input type="checkbox"/> Building <input type="checkbox"/> Debris Piles <input type="checkbox"/> Fencing <input type="checkbox"/> Other
25. Are vehicle ruts, cattle trails, animal burrows, or other compromising conditions present in the spillway?	YES		NO	Location(s): <input type="checkbox"/> Forebay <input type="checkbox"/> Control section <input type="checkbox"/> Exit slope
26. Is control section damaged or disturbed?	YES		NO	
27. Are there overfalls or erosion in exit channel before reaching creek?	YES		NO	

General Site Conditions

28. Current water level:	Above PS Crest	At PS Crest	Below PS Crest	Dry or Gate Open	Silted to PS Crest
29. Unauthorized modifications to the dam or its appurtenances?	YES		NO		
30. Is there unauthorized structure(s), development, or major earthwork within the easement?	YES		NO		
31. Are there sinkholes or depressions on the dam, in the auxiliary spillway, or within 100 feet of dam?	YES		NO	Location(s): <input type="checkbox"/> Embankment <input type="checkbox"/> Auxiliary Spillway <input type="checkbox"/> Within 100 ft	
32. Does fencing allow for overgrazing or unwanted entry?	NO	YES	NO		
	FENCING				
33. Are there any other major safety concerns not noted elsewhere on this inspection?	YES		NO		

ACTIONS TAKEN: (Identify all work performed in the preceding 12 months by sponsors, contractors, and/or NRCS.)

ACTIONS NEEDED: (Identify maintenance items needed by priority; low - next 12 months, high - as soon as possible).

Sponsor Representative (type)

Reviewed and approved by Conservation District Board of Directors?
☐ Yes ☐ No

NRCS Representative (type)

NRCS representative did or did NOT participate in field review?
☐ did participate ☐ did NOT participate