



Report Date:

Saturday, June 07, 2008

Date of Last Inspection:

Tuesday, June 19, 2007

Inspectors:

Scott Cutler, Mel McKinley, Tom Behrens

Dam Inspection Report

1. Lake Level

Reservoir Staff Gauge	35.6
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Water Level	<input type="checkbox"/>	Above Spillway
	<input type="checkbox"/>	At Spillway
	<input checked="" type="checkbox"/>	Below Spillway

Comments

~12" below spillway

2. Vegetation

Inside Spillway Control Compound	<input type="checkbox"/>	< 6"
	<input checked="" type="checkbox"/>	6" to 12"
	<input type="checkbox"/>	Over 12"

Common Area	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor

Comments

3. Floating Barriers

Deployment	<input type="checkbox"/>	Secure
	<input checked="" type="checkbox"/>	Not Secure

Float Condition	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor

Comments

Barriers not deployed. Some still downstream.

4. Spillway Control Compound

Fence & Gate	<input checked="" type="checkbox"/>	Good
	<input type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor

Concrete Apron	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor

Comments

Cracking on apron next to interior spillway wall needs repair. Vegetation growing in apron cracks needs herbicide treatment.

5. Box Culvert Inlet

General condition	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor
	<input checked="" type="checkbox"/>	Concrete deterioration

Wier	<input type="checkbox"/>	Clear
	<input type="checkbox"/>	Obstructed
	<input checked="" type="checkbox"/>	Clogged

Culvert Joints	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor
	<input type="checkbox"/>	Concrete deterioration

Comments

Minor erosion noted at the top of box culvert wall near inlet box on west side. Vegetation clump removed and moved into spillway. Wier to be observed at next inspection after rains have had a chance to raise the lake level.

Box Section Joints	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor
	<input type="checkbox"/>	Concrete deterioration

Upstream Intake Area	<input type="checkbox"/>	Clear
	<input checked="" type="checkbox"/>	Some Debris
	<input type="checkbox"/>	Flow Obstructed
	<input type="checkbox"/>	Flow Restricted

6. Box Culverts - Interior

General condition	<input checked="" type="checkbox"/>	Good
	<input type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor
Culvert Joints at Base	<input checked="" type="checkbox"/>	Minor seepage
	<input type="checkbox"/>	Drip
	<input type="checkbox"/>	Trickle
	<input type="checkbox"/>	Faucet flow
	<input type="checkbox"/>	Concrete deterioration
Box Section Joints	<input checked="" type="checkbox"/>	Minor seepage
	<input type="checkbox"/>	Drip
	<input type="checkbox"/>	Trickle
	<input type="checkbox"/>	Faucet flow
	<input type="checkbox"/>	Concrete deterioration

Comments

Slight shifting of box panels.

7. Box Culverts - Exterior

Downstream Discharge Area	<input checked="" type="checkbox"/>	Clear
	<input type="checkbox"/>	Some Debris
	<input type="checkbox"/>	Flow Obstructed
	<input type="checkbox"/>	Flow Restricted

Comments

8. Earth Dam

General Upslope Condition	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor
General Downslope Condition	<input type="checkbox"/>	Good
	<input type="checkbox"/>	Fair
	<input checked="" type="checkbox"/>	Poor
Erosion - Upslope	<input type="checkbox"/>	None
	<input checked="" type="checkbox"/>	Minimal
	<input type="checkbox"/>	Trail
	<input type="checkbox"/>	Gulley
Erosion - Downslope	<input type="checkbox"/>	None
	<input checked="" type="checkbox"/>	Minimal
	<input type="checkbox"/>	Trail
	<input type="checkbox"/>	Gulley
Dam Integrity (Downslope)	<input checked="" type="checkbox"/>	Good
	<input type="checkbox"/>	Seepage Noted
	<input type="checkbox"/>	Trickle
	<input type="checkbox"/>	Flow

Comments

Conditions should improve with rain.

Grass Growth (Upslope)	<input type="checkbox"/>	Good
	<input checked="" type="checkbox"/>	Fair
	<input type="checkbox"/>	Poor

Grass Growth (Downslope)	<input type="checkbox"/>	Good
	<input type="checkbox"/>	Fair
	<input checked="" type="checkbox"/>	Poor

Mainly due to lack of rain and improper trimming of grass.

9. Piezometers

West	<input type="checkbox"/>	Operative
	<input checked="" type="checkbox"/>	Inoperative
East	<input type="checkbox"/>	Operative
	<input checked="" type="checkbox"/>	Inoperative

Comments

BCI needs to be contacted to find out what needs to be done to return the piezometers to proper operation.

10. Sluice Gate

Operation	<input type="checkbox"/>	80%
	<input type="checkbox"/>	50%
	<input type="checkbox"/>	25%
	<input checked="" type="checkbox"/>	10%

Comments

Electrical operation failure. Operation checked manually, and screw drive lubricated.

11. Recommendations

*Residents should be reminded to collect feces from their animals.
 Decision to clear wier to be discussed at next directors meeting
 Organize a community service project to retrieve downstream barriers.
 Re-install 4x4 barrier posts at west end of dam property.
 Patch concrete on concrete apron.
 Restore electrical operation of sluice gate.
 Contact BCI to learn more about piezometer operation and repair.*

NOTE: For items checked in a yellow box, a photograph is required for verification.



Item 5a. Concrete erosion/scarring.



Item 5b. Wier obstruction.



Item 6. Minor seepage.



Item 8. Downslope erosion.