



Report Date:

Saturday, March 14, 2009

Date of Last Inspection:

Inspectors:

Behrens, Akhter, Porter, Joszi, Cutler

## Dam Inspection Report

### 1. Lake Level

Reservoir Staff Guage	35.5
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Water Level		Above Spillway
	x	At Spillway
		Below Spillway

Comments

### 2. Vegetation

Inside Spillway Control Area		< 6"
	x	6" to 12"
		Over 12"

Common Area	x	Good
		Fair
		Poor

Comments

### 3. Floating Barriers

Deployment		Secure
	x	Not Secure

Float Condition		Good
	x	Fair
		Poor

Comments

*Floats not deployed*

### 4. Box Culvert Inlet

General condition		Good
	x	Fair
		Poor

Culvert Joints at Base		Minor seepage
		Drip
		Trickle
		Faucet flow
		Concrete deterioration

Box Section Joints		Minor seepage
		Drip
		Trickle
		Faucet flow
		Concrete deterioration

Comments

*Water vegetation blocking #1 (east) inlet. No seepage noted due to dry weather conditions.*

### 5. Box Culverts - Interior

General condition		Good
	x	Fair
		Poor

Culvert Joints at Base		Minor seepage
		Drip
		Trickle
		Faucet flow
		Concrete deterioration

Comments

*No seepage noted due to dry weather conditions.*

Box Section Joints	<input type="checkbox"/>	Minor seepage
	<input type="checkbox"/>	Drip
	<input type="checkbox"/>	Trickle
	<input type="checkbox"/>	Faucet flow
	<input checked="" type="checkbox"/>	Concrete deterioration

**6. Box Culverts - Exterior**

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

Comments

*Water vegetation on discharge apron.*

**7. Earth Dam**

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

Comments

*Small trees on upslope need to be removed.*

*Mowing tractors operating on dam slopes have cut gulleys into both sides of the dam. Recommendations to the SRHOA for ceasing of mowing by vehicle outside of 10 feet from sidewalk.*

**8. Piezometers**

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

Comments

**9. Sluice Gate**

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

**Comments**

*NA. Sluice gate inoperative by electrical means.*

**9. Recommendations**

*Concrete seam deterioration at junction of common area apron and spillway structure. Recommend to SRHOA that mowing vehicles be prohibited outside of ten feet from sidewalk. Remove trees on south side of dam. Remove vegetation in culverts and discharge apron at next rainfall. Repair fences.*

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



*Ruts on north side of dam*



*Ruts on north side of dam*



*Ruts on north side of dam*



*Missing fence on east side of dam*



*Ruts on south side of dam*



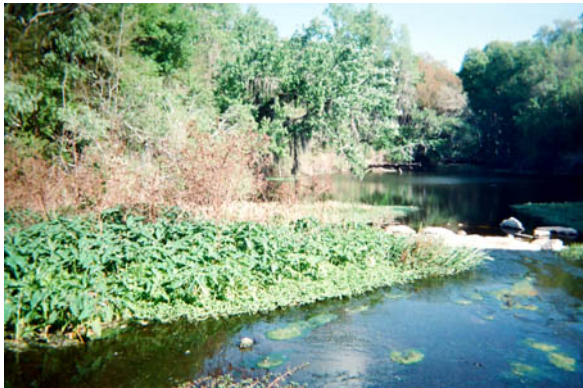
*Ruts on south side of dam*



*Cracked concrete seams*



*Vegetation on discharge apron*



*Vegetation on discharge apron*



*Vegetation at culvert #1 (east) inlet*



*Vegetation at culvert #4 (west) inlet*