

STATE OF IDAHO  
DEPARTMENT OF RECLAMATION

E-16  
Jenkins A

MEMORANDUM

Subject Weiser Institute Upper Dam  
File \_\_\_\_\_  
Date April 14, 1933

This structure was inspected upon the above date, and the reservoir was filled to within about two inches of the crest of the dam. This condition would be fatal under ordinary conditions, and should be modified in the present event.

The dam as built consists of a massive concrete wall of 40 feet in height and six feet top thickness and battered to ten feet thick at the base, which is alleged to be and probably is on bed rock. Upon the upper side of this wall is a dirt fill, making a top width over all of 18 feet. The upper slope is 2-1 and the lower side of the concrete wall has a rock fill up to about 20 feet in height. The outlet gate is located immediately behind the wall in the dirt fill. The gate control is at the bottom of an concrete shaft 3' x 3' in plan and 40 feet in depth. The top of this shaft is at the same elevation as the top of dam and wall and in the event of overtopping the gate would be submerged and operation impossible.

The spillway was discharging about 4 second feet, the stream being 8 feet in width.

The reservoir water line embraces approximately ten acres in area, the impounded basin having a small tributary drainage area upon which the snow is nearly gone. The principal source of water supply is from a point of

EXHIBIT

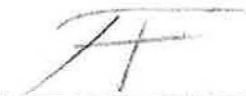
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*Jenkins Co.*

MEMORANDUM

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diversion on Monroe Creek, the water being conveyed via about two miles of feeder canal, and thence through a natural draw. The diversion head gate was of 2.5 feet width and any excessive inflow to the reservoir is very improbable. These works were examined for proof of beneficial use by the undersigned in 1924 and the present seasonal conditions are probably more the rule than the exception. It is recommended, however, that the spillway be cut one foot deeper and that the walls of the gate well be raised about the same distance, or the gate operating stem be lengthened to the top of the dam.

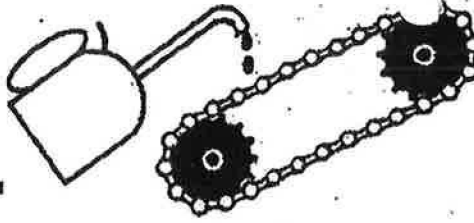
  
\_\_\_\_\_  
Field Engineer

RECEIVED

DEC 09 1999

WATER RESOURCES  
WESTERN REGION

Oil'er Up Inc.



Preventative  
Maintenance  
Equipment

John Hoff • 6479 Deer Flat Road • Nampa, Idaho 83686 • 208 463-8514

RECEIVED

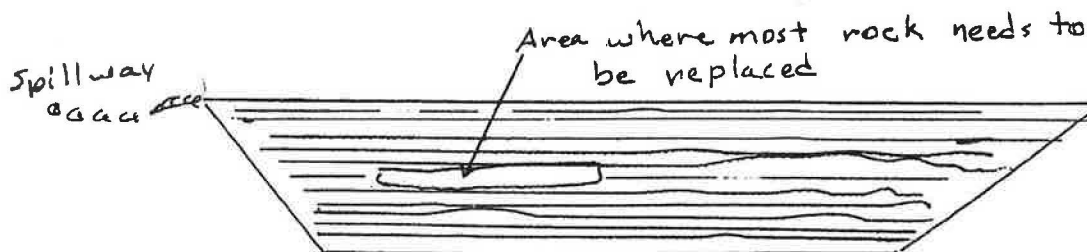
990 Jenkins Creek Rd.  
Weiser, Idaho - 83672

Dec. 8, 1999 DEC 14 1999

Department of Water Resources

Dear John Westra,

On November 23, 1999 I took possession and responsibility for the Jenkins Creek Ranch and the two reservoirs, the Monroe reservoir and Jenkins Creek reservoir. This spring I plan to scaffold and hand grout with cement, the areas where rock have fallen out of the dam. Next will be to re-grout the remainder of the dam wall and incorporate a drip sill if possible.



I will work on the worst areas first to stop further degradation. I would like advice from you and also to look at other dams and methods of repair.

MICROFILMED

Sincerely,

FEB 01 2000

*John Hoff*  
John Hoff

- Send correspondence to Weiser Address per Mrs. Hoff.
- They do not have a phone at the ranch yet - use Nampa phone for now.

MONROE-001059

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
RECORD OF INSPECTION OF DAM

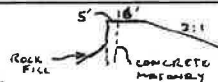
Name of dam: Monroe Stream: Monroe Creek ☒ Offstream  
Name of owner: John Mainvil Location: SW $\frac{1}{4}$ SW $\frac{1}{4}$ , Sec. 31, T. 13N, R. 6W, B.M.  
Individuals accompanying inspector: John Mainvil  
Reservoir characteristics: Dam height 45 Surface area 10 Storage capacity 320  
Hazard class: low Photographs: #11 & 12

## CONDITION OF EMBANKMENT OR STRUCTURE:

Type: ☒ Earth ☐ Rockfill ☒ Conc. arch ☒ Conc. gravity ☐ Timber crib ☒ Other Rock Masonry

	UPSTREAM SLOPE	CREST	DOWNSTREAM SLOPE	TOE AREA
Surface protection	none-----			
Growth	none	sage & current bushes	none-----	
Settlement or cracks	none-----			
Debris	none-----			
Animal burrow	none-----			
Approx. slope	31% <u>3:1</u>	16'	vert. THEN $\approx$ 2:1	

## CONDITION OF OUTLET WORKS:

Location: ☐ Left side ☒ Center ☐ Right side ☐ OtherDescription and condition: Gate valve in 3' x 3' well. Leaks approx. 20" of water. Gate must have rock in valve.Gate hoist: ☒ Manual ☐ Electric ☐ OtherStem: ☐ Inclined from entrance to crest ☐ Vertical on tower at entrance  
☒ Vertical through dam from crest ☐ Downstream valveEntrance: submergedOutlet: good

## CONDITION OF SPILLWAY:

Location: ☐ Left abutment ☒ Right abutment ☐ Away from dam ☐ OtherBase width 6' Freeboard at crest 2' Sideslope 3:1 Channel slope steep Fetch  $\frac{1}{4}$  mileOverflow channel: ☒ Well defined ☐ Flow directed away from toe ☐ Flow could reach toeErosion control present: cut through rock Erosion present: noneMaintenance condition: Debris none Growth none

## SEEPAGE:

Reservoir level during inspection: 1' below spillway crest

	TOE AREA	DOWNSTREAM SLOPE	ABUTMENTS	OTHER
Piping of material evident	none-----			
Flowing water	none-----			
Marshy or standing water	no-----			
Damp	no-----			
Evident from growth present	no-----			

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**RECORD OF INSPECTION OF DAM**

0135

Name of dam: MONROE Stream: JENKINS CREEK ☐ Offstream

Name of owner: JENKINS CREEK RANCH Location: SEC 6 12N-5W

Individuals accompanying inspector: NONE

Reservoir characteristics: Dam height 35' ST Surface area 18 AC Storage capacity 320 AC-FT

Hazard class: LOW (NO CHANGE) Photographs: YES

CONDITION OF EMBANKMENT OR STRUCTURE:

Type: ☒ Earth ☐ Rockfill ☐ Conc. arch ☐ Conc. gravity ☐ Timber crib ☒ Other ROCK MASONRY

	UPSTREAM SLOPE	CREST	DOWNSTREAM SLOPE	TOE AREA
Surface cover material	<u>EARTH + GRAVEL</u>	<u>→</u>	<u>ROCK MASONRY WALL + ROCK</u>	
Growth	<u>NONE</u>	<u>SMALL BRUSH</u>	<u>MINOR BRUSH</u>	
Settlement or cracks	<u>NONE NOTED</u>	<u>→</u>		
Surface erosion	<u>NONE</u>	<u>→</u>	<u>DETERIORATION IN MORTAR WALL</u>	
Debris	<u>NONE</u>	<u>→</u>	<u>SOME DRIFTWOOD FROM OVERFLOW</u>	
Animal burrows	<u>NONE</u>	<u>→</u>		
Crest width and slope measurements	<u>≈ 3:1</u>	<u>16' WIDE</u>	<u>VERTICAL</u>	

ROCK AT 1:1 SLOPE AT TOE

CONDITION OF OUTLET WORKS: FAIR

Location: ☐ Left side ☒ Center ☐ Right side ☐ Other

Description and condition: OUTLET CONTROL BOX LOCKED

Gate hoist: ☒ Manual ☐ Electric ☐ Other

Stern: ☐ Inclined from entrance to crest ☐ Vertical on tower at entrance  
☒ Vertical through dam from crest ☐ Downstream valve

Entrance: SUBMERGED Outlet: COVERED BY ROCK

CONDITION OF SPILLWAY: FAIR  
DAM IS OVERFLOW - ALSO EMERGENCY SPILLWAY

Location: ☐ Left abutment ☒ Right abutment ☐ Away from dam ☐ Other

Base width 6' Freeboard at crest 1-1.5' Sideslope 2:1 Channel slope STEEP Fetch 1/4 MILE

Overflow channel: ☒ Well defined ☒ Flow directed away from toe ☐ Flow could reach toe

Erosion control present: ROCK CHANNEL Erosion present: NONE

Maintenance condition: Debris NONE Growth NONE

SEEPAGE:

Reservoir level during inspection: FULL - APPROX 2.5' BELOW DAM CREST

	TOE AREA	DOWNSTREAM SLOPE	ABUTMENTS	OTHER
Piping of material evident (Est. G.P.M.)				
Flowing water (Est. G.P.M.)				
Marshy or standing water				
Damp				
Evident from growth present				

OK





Downstream slope



Emergency spillway



Outlet control box, locked



STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES

JUL 26 1988

RECORD OF INSPECTION OF DAM

Name of dam: MONROE Stream: JENKINS CREEK Department of Water Resources ☐ Offstream

Name of owner: JENKINS CREEK RANCH Location: 6-12N-5W

Individuals accompanying inspector: JOHN MANNIL - OWNER

Reservoir characteristics: Dam height 33 FT Surface area 20 AC Storage capacity 300 AC-FT

Hazard class: LOW (NO CHANGE) Photographs: YES

CONDITION OF EMBANKMENT OR STRUCTURE: ☐ Poor ☒ Fair ☒ Good ☐ Excellent

Type: ☒ Earth ☐ Rockfill ☐ Conc. arch ☐ Conc. gravity ☐ Timber crib ☒ Other ROCK MASONRY

	UPSTREAM SLOPE	CREST	DOWNSTREAM SLOPE	TOE AREA
Surface cover material	<u>EARTH</u>	<u>ROCK MASONRY WALL</u>		<u>ROCK</u>
Growth	<u>WEEDS, GRASS, SCATTERED BRUSH</u>			
Settlement or cracks	<u>NONE</u>		<u>MASONRY WALL IS DETEIORATING</u>	
Surface erosion	<u>NONE</u>		<u>ON TOP &amp; LOWER SIDE</u>	
Debris	<u>NONE</u>			
Animal burrows	<u>NONE</u>			
Crest width and slope measurements	<u>3:1</u>	<u>±16 FT WIDE</u>	<u>VERT. MASONRY WALL</u>	

CONDITION OF OUTLET WORKS: ☐ Poor ☐ Fair ☒ Good ☐ Excellent & ROCK AT TOE AT 1:1 SLOPE.

Location: ☐ Left side ☒ Center ☐ Right side ☐ Other

Description and condition: APPEARS TO BE 16-18 IN CONCRETE PIPE THEN DAM

Gate hoist: ☒ Manual ☐ Electric ☐ Other

Stem: ☐ Inclined from entrance to crest ☐ Vertical on tower at entrance

☒ Vertical through dam from crest ☐ Downstream valve

Entrance: GOOD Outlet: BURIED IN ROCK

CONDITION OF SPILLWAY: ☐ Poor ☐ Fair ☒ Good ☐ Excellent DAM WAS DESIGNED TO OVERTOP

Location: ☐ Left abutment ☒ Right abutment ☐ Away from dam ☐ Other

Base width ±6 FT Freeboard at crest ±1.5 FT Sideslope 2:1 Channel slope STEEP Fetch ±1/4 MILE

Overflow channel: ☒ Well defined ☒ Flow directed away from toe ☐ Flow could reach toe

Erosion control present: ROCK CHANNEL Erosion present: MINOR IN LOWER CHANNEL

Maintenance condition: Debris NONE Growth NONE

\* SPILLWAY CONSTRUCTED TO KEEP MOST OF OVERFLOW CONFINED INSTEAD OF OVERTOPPING  
SEEPAGE: CONCRETE CREST SINCE IT WAS STARTING TO DETEIORATE.

Reservoir level during inspection: EMPTY (DRY)

	TOE AREA	DOWNSTREAM SLOPE	ABUTMENTS	OTHER
Piping of material evident (Est. G.P.M.)			<b>MICROFILMED</b>	
Flowing water (Est. G.P.M.)			<b>MAY 20 1991</b>	
Marshy or standing water				
Damp				
Evident from growth present				

**STATE OF IDAHO**  
**DEPARTMENT OF WATER RESOURCES**  
**RECORD OF INSPECTION OF DAM**

Name of Dam: Monroe Dam  
Name of Owner: Jenkins Creek Ranch

Stream: Monroe/Jenkins Crk.  
Location: T12N, R5W, Sec 6

☒ Offstream

Individuals Accompanying Inspector: Manuel Rauhut & John Hoff

Reservoir Characteristics: Dam Height : 34.7 ft      Surface Area: 20 ac      Storage Capacity: 300 ac-ft

Hazard Classification: 3 - No Change      Photographs : Attached

CONDITION OF EMBANKMENT OR STRUCTURE : ☐ - Poor ☐ - Fair ☒ - Good ☐ - Excellent

TYPE : ☐ - Earth ☒ - Rockfill ☐ - Conc. Arch ☐ - Conc. Gravity ☐ - Timber Crib ☐ - Other \_\_\_\_\_

	UPSTREAM SLOPE	CREST	DOWNSTREAM SLOPE	TOE AREA
SURFACE COVER MATERIAL	Rock/Earth	Rock/Earth	Rock fill buttress	Rock/ Earth
GROWTH	Weeds Grasses	Weeds Grasses	None	None
SETTLEMENT Or CRACKS	None	None	None	None
SURFACE EROSION	Minor wave benching	None	None	None
DEBRIS	None	None	None	None
ANIMAL BURROWS	None	None	None	None
CREST WIDTH AND SLOPE MEASUREMENTS	3:1	15 ft	1:1 estimated	falt

CONDITION OF OUTLET WORKS ; ☐ - Poor ☐ - Fair ☒ - Good ☐ - Excellent

Location ; ☐ - Left Side ☒ - Center ☐ - Right Side ☐ - Other \_\_\_\_\_

Description and Condition;

16 inch concrete pipe thru dam with vertical gate works on dam crest.

Gate Hoist : ☒ - Manual ☐ - Electric ☐ - Other \_\_\_\_\_

Stem : ☐ - Inclined from entrance to crest ☐ - Vertical on tower at entrance  
☒ - Vertical through dam crest ☐ - Downstream valve

Entrance ; Submerged

Outlet : discharging

CONDITION of SPILLWAY : ☐ - Poor ☐ - Fair ☒ - Good ☐ - Excellent

Location : ☐ - Left abutment ☒ - Right abutment ☐ - Away from dam ☐ - Other \_\_\_\_\_

Base width : 12 ft      Freeboard at crest : 2.0 ft      Sideslope : 4:1      Channel slope : Steep

Over flow channel : ☒ - Well defined ☒ - Flow directed away from toe ☐ - Flow could reach toe

Erosion control present : Bedrock

Erosion present : Scouring lower channel

Maintenance condition : Debris None

Growth None