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Idaho Department of Water Resources

Dam Safety Data Sheet

01/22/2019

Dam Name: SPIRIT LAKE
Other Dam Name:
State ID: 95-XX02
Region: N
National ID Number: ID00538
Last Modified: 07/23/2018

General Information

Status: NON REGULATED
Purpose: RECREATION
Hazard: LOW
Size Category: 1

Location

County: KOOTENAI
River or Stream: SPIRIT LAKE -
Township: 53N
Range: 04W
Section: 6
Quad Name: SPIRIT LAKE WEST
Latitude: 47.9663
Longitude: -116.8852
IDTM X: 2284648
IDTM Y: 1866805
Location Method: NAIP
Quad Number: E03

Dam Owner

Name: JOHN SEMPRE
Address: 60 EMPIRE DR
City: LAKE FOREST
State: CA
Phone: 8004424443
Email:

Embankment Physical Characteristics

Dam Type: EARTH
Dam Height: 6
Dam Length: 175
Hydraulic Height: 2
Year Completed: 1909
Condition: SATISFACTORY

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Deficiency

Recommended Maintenance and/or Repair

Comments

- DAM NUMBER CHANGED FROM 96-xx02 TO 95-xx02 DUE TO BASIN BOUNDARY REVISION.
- A WATER RIGHT EXISTS, SO THE FILE NUMBER SHOULD BE CHANGED TO BE CONSISTENT.
- PART OF SPIRIT LAKE SHOWN ON QUAD MAP E4-SPIRIT LAKE EAST.
- SMALL BERM WAS ADDED TO THE OUTFLOW OF A NATURAL LAKE
- => BERM IS REPORTED TO BE NOMINAL SIX (6) FEET HIGH
- => POOL LEVEL IS CONTROLLED BY A 2-FOOT HIGH FLASHBOARD STRUCTURE (WEIR)
- => IMPOUNDED VOLUME RESULTING FROM THE WEIR IS ~1890 ACRE-Feet:
1575 SURFACE ACRES x 2 FEET HEIGHT x 0.6
NOTE: STORAGE CORRECTION VALUE (0.6) IS DUE TO ENLARGEMENT OF AN EXISTING LAKE
THIS IS GREATER THAN STANDARD NRCS CORRECTION VALUE 0.4
- OUTLET:
 - STRUCTURE DOES NOT HAVE A GATED OUTLET
- SPILLWAY:
 - THREE (3) 72-INCH, UNGATED ROAD CULVERTS LOCATED AT NORTH END OF THE LAKE
 - A 2-FOOT HIGH FLASHBOARD STRUCTURE IS LOCATED ~ 20' IN FRONT OF THE CULVERTS
 - ALL OUTFLOW PASSES OVER THE TOP OF THE WEIR AND THRU THE UNGATED CULVERTS

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