

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

Name of Dam: Stewart Ranch Dam  
Name of Owner: Stewart Brothers

Stream: Tr-Crow Creek  
Location: SWSE, sec 15, T10S, R45E

☐ Offstream

Individuals Accompanying Inspector: Mike Stubblefield, Sonny Hornbaker

Reservoir Characteristics: Dam Height : 12.5 ft      Surface Area: 10 ac      Storage Capacity: 50 AF

Hazard Classification: Low      Photographs : yes

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             | some rock                   | road                  | none                                 |          |
| GROWTH                             | grass, weeds, small willows | none                  | grass and weeds                      |          |
| SETTLEMENT Or CRACKS               | none                        | none                  | none                                 |          |
| SURFACE EROSION                    | very minor benching         | none                  | none                                 |          |
| DEBRIS                             | none                        | none                  | none                                 |          |
| ANIMAL BURROWS                     | a couple                    | several large burrows | several large and some small burrows |          |
| CREST WIDTH AND SLOPE MEASUREMENTS | 3:1                         | 15ft                  | 2:1                                  |          |

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

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

Description and Condition;

There are two outlets The first outlet about 150 feet from the left side has a 22" CMP with a hand wheel on a stem to a slide gate. The second outlet is about 1000 feet from the left side, it has a 12" CMP with a hand wheel on a stem to a slide gate.

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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 : 12" & 22" CMP

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

Location : ☐ - Left abutment ☒ - Right abutment ☐ - Away from dam ☐ - Other \_\_\_\_\_  
Base width : 16 ft      Freeboard at crest : 2 ft      Sideslope : 1:1      Channel slope : mild  
Over flow channel : ☒ - Well defined ☒ - Flow directed away from toe ☐ - Flow could reach toe  
Erosion control present : none      Erosion present : none  
Maintenance condition : Debris none      Growth grass and moss



**SEEPAGE:**Reservoir level during inspection : full and spilling

|                                          | TOE AREA                 | DOWNSTREAM SLOPE | ABUTMENTS | OTHER |
|------------------------------------------|--------------------------|------------------|-----------|-------|
| Piping of material Evident (Est. G.P.M.) | none                     | none             | none      |       |
| Flowing water (Est. G.P.M.)              | 30 gpm by right outlet   | none             | none      |       |
| Marshy or Standing water                 | various places along toe | none             | none      |       |
| Damp                                     | various places along toe | none             | none      |       |
| Evident from Growth present              | various places along toe | none             | none      |       |

**GENERAL CONDITION AND DESCRIPTION OF DAM :**

FAIR TO GOOD - The dam is next to the farm houses and can be seen every day if not inspected so a problem would get almost immediate attention. The maintenance on the dam appears to be adequate however there is a problem with burrowing animals. The existing burrows really need to be filled and some else done to control the animals. This dam is about 1500 feet long. There is a spring or leak near the right side outlet that has been there and does not appear to be getting any worse but it should be monitored.

**INSTRUMENT READINGS (Piezometer, Seepage measurements, Alignment, Elevation, etc.)**none

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**RECOMMENDATIONS :**ISSUE A STORGE CERTIFICATE WITH INSPECTIONS DUE EVERY FIVE YEARS -

- Continue to control tall and woody growth on all parts of the emankment and downstream toe
- Control burrowing animals and repair exsisting holes with compacted soil.
- Monitor seepage near right side outlet.

DATE : 8/20/03INSPECTED BY : Lewis Rounds



**Spillway entrance.**



**Spillway channel.**



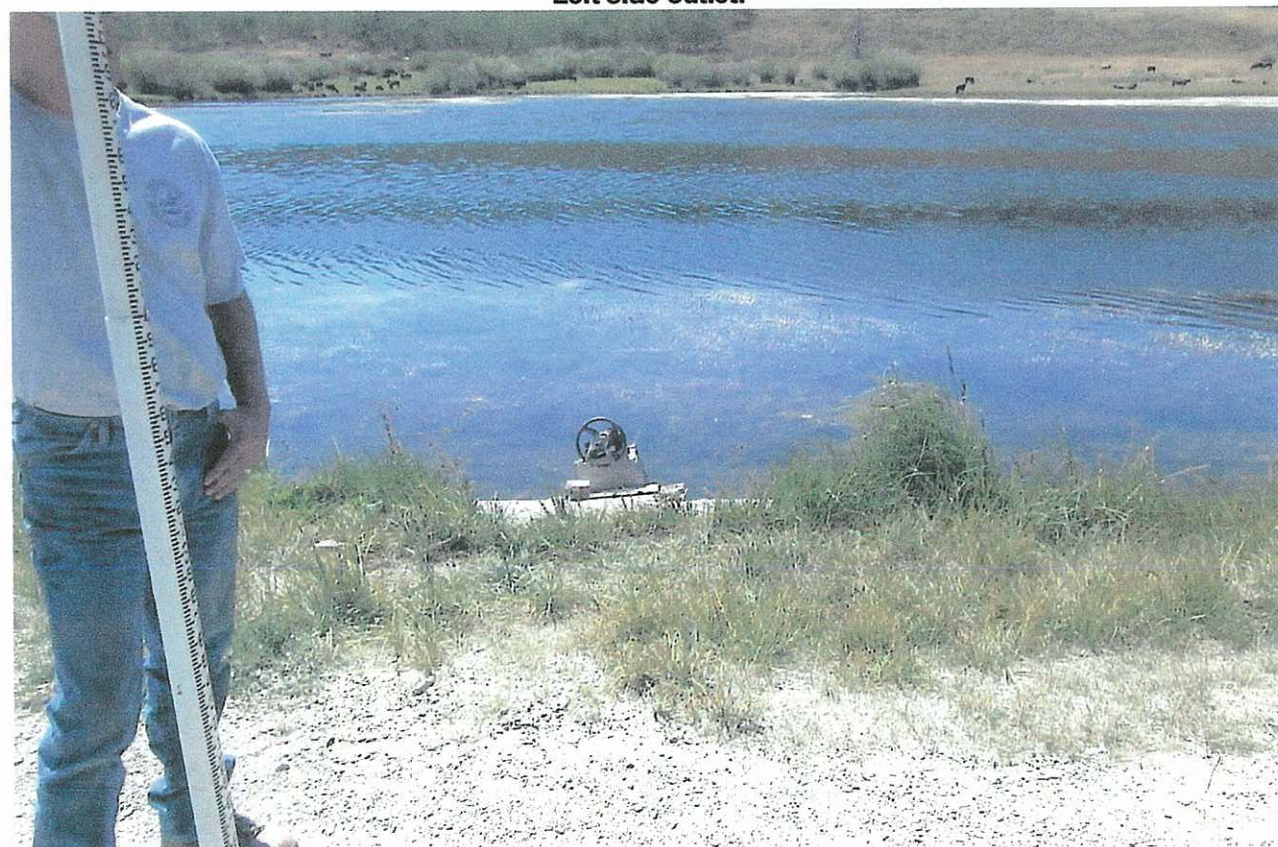
**Right side outlet and spring.**



**Holes in crest.**



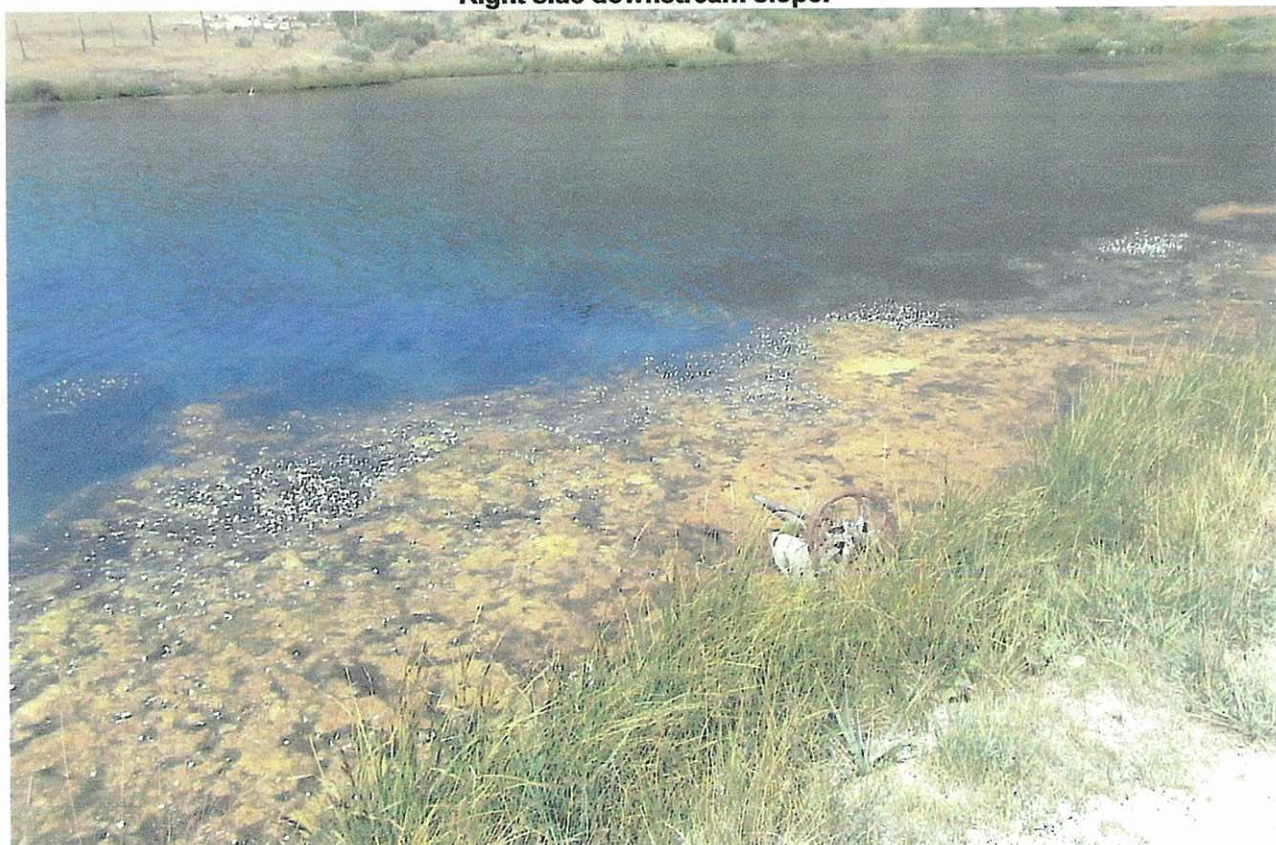
**Left side outlet.**



**Right side outlet control.**



**Right side downstream slope.**



**Left side outlet control.**

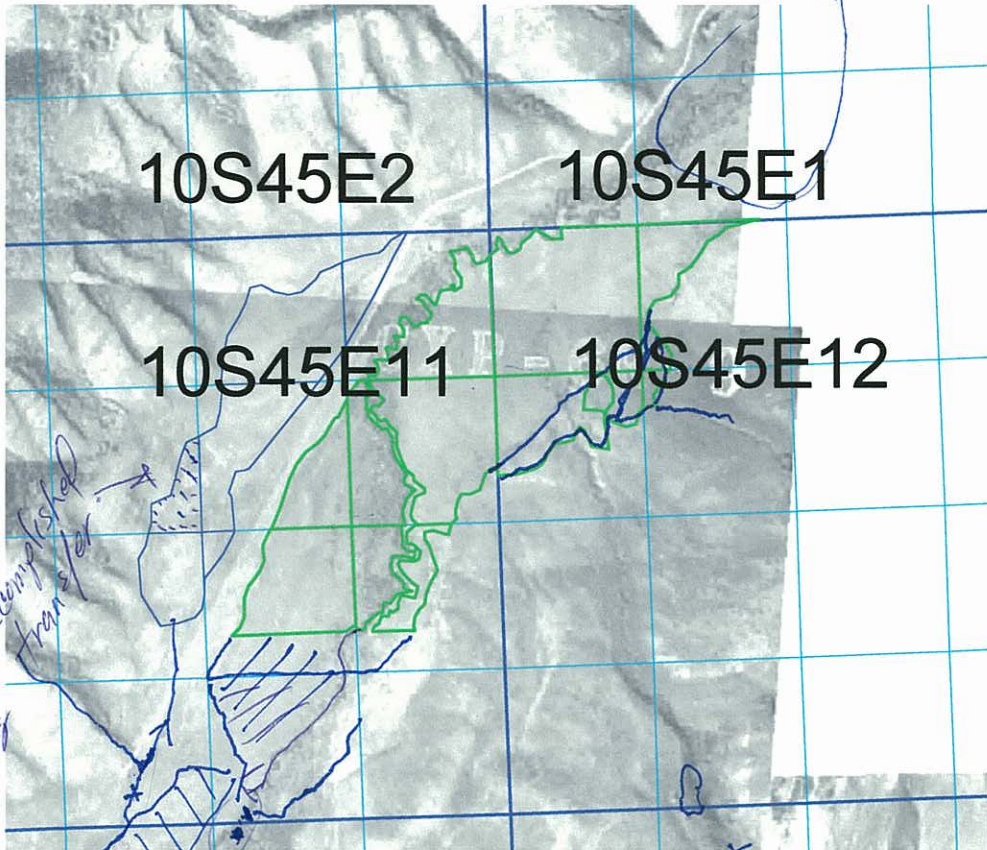


**Dam crest and downstream slope from the left side by the spring that supplies the water for the reservoir.**



**Left side downstream slope.**

Nate Ranch



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- A24-04068a\_revised\_qq.shp
- PLSS Section Lines Gcdb\_sections.shp
- Gcdb\_qq.shp

USDA Aerial Photo 1956  
Water Resources Field Services 208 681 9100

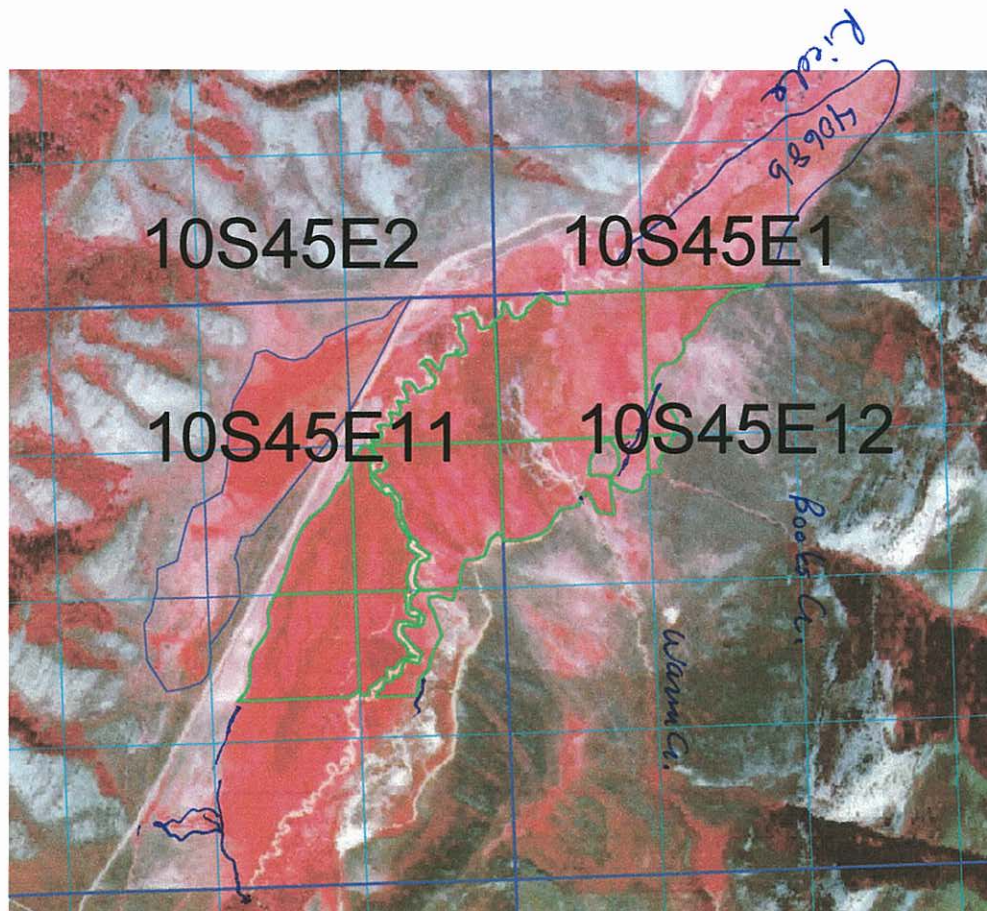


Fond constructed  
post 1980's but  
pre 1987.

4007-4010

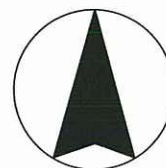
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# Nate Ranch



1320 0 1320 Feet

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IDWR 1987 Aerial Photo  
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