

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 34-13838

Exam Dates: 6/05/2025

Accompanied by: Jon Manetta

Examiner: Christian Stewart, IWDR Water Resource Agent

1. Current Owner:

ANTELOPE VALLEY RANCH LLC
420 VIA VENTANA DR
MESQUITE, NV 89027

2. **SOURCE: CHERRY CREEK**

TRIBUTARY: ANTELOPE CREEK

B. OVERLAP REVIEW

1. Place of Use: Overlapped by rights 34-514B, 34-515 B, 34-560B, and 34-513B that provide water for recreation that can be used for replacing evaporation losses or cycling water through the reservoir and back to Cherry Creek.

2. Point of Diversion: Overlapped by rights 34-514B, 34-515 B, 34-560B, and 34-513B that provide water for recreation that can be used for replacing evaporation losses or cycling water through the pond. Water for irrigation from rights 34-515A, 34-513A, 34-560A, and 34-514A is probably conveyed through the same ditch used to deliver water to this right, but it is unclear whether these rights are diverted at the same point. These irrigation rights do not share the legal description of this point of diversion.

C. DIVERSION AND DELIVERY SYSTEM

Water from a flood irrigation ditch is conveyed to a separate headgate that allows water from the ditch to be separately regulated and measured as it flows into the reservoir. A regulated drain valve and a measuring weir drain the reservoir and return the water back to Cherry Creek through an outlet channel.

1. **POINT OF DIVERSION:**

CHERRY CREEK NW¼ NW¼ SW¼ Sec. 32, Twp 05N, Rge 24E, B.M. CUSTER County

GPS Coordinates:

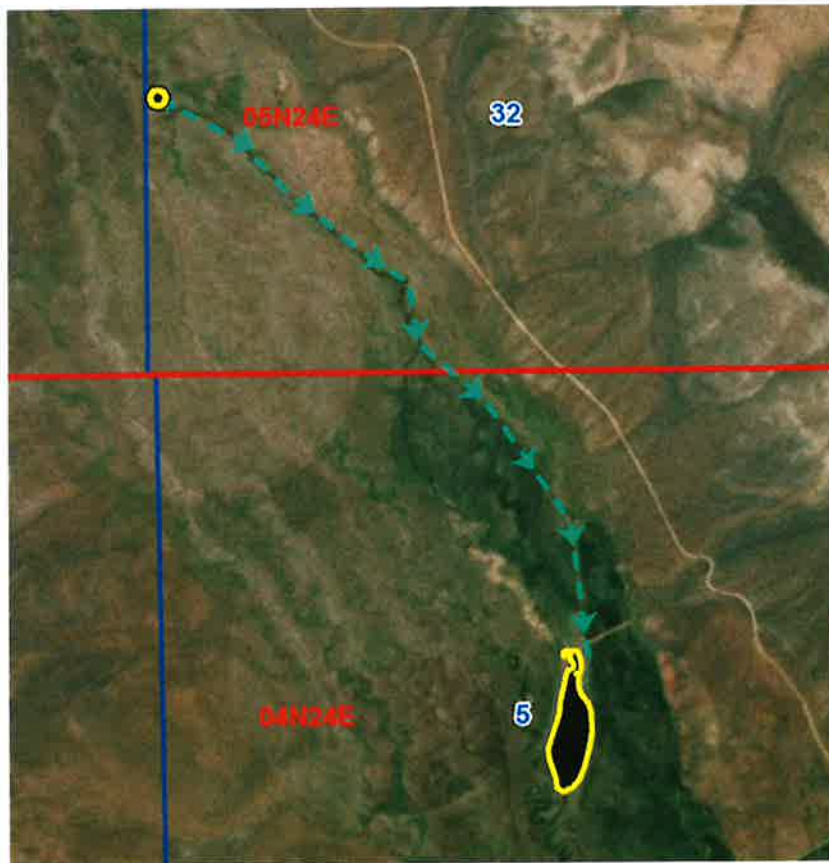
Method of Determination: Imagery

2. PLACE OF USE: RECREATION, RECREATION STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Total s
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	24E	5			X											X			

Method of Determination: Site inspection. Aerial imagery.

3. DELIVERY SYSTEM DIAGRAM



Map OF DELIVERY SYSTEM, PIVOTS, MAINLINES ETC with PLSS

D. FLOW MEASUREMENTS

Measurement Equipment: concrete rectangular weir

Flow Measurement: Inflow = 1.25ft width @ 0.5 ft depth to crest = 1.40 cfs (Washington State Water Measurement Manual)

Ouflow = 1.8ft width @ 0.3 ft depth to crest = 0.96 cfs

Comment: At the time the measurement was performed, less than 0.1 cfs was flowing into the reservoir. I instructed Jon to fully open the headgate into the pond, where I measured 1.82 cfs flowing into the pond. Since the inflow headgate was recently opened, not enough hydraulic head had built up at the drain valve for the inflow and outflow to be in equilibrium, but the 0.96 cfs measured at the outflow shows that the outflow would clearly be able to pass at least 1.0 cfs and match the pond inflow.

F. VOLUME CALCULATIONS

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days}) \times 1.9835 = 1.00 \times 365 \times 1.9835 = 724 \text{ AF.}$$

Storage Surface Area: 4.6 acres

Reservoir Depth: 10 feet

Reservoir Volume: (average depth x surface area) = $4.6 \times 10 \times 0.4 = 18.4 \text{ AF}$

Rights 34-513B, 34-514B, 34-515B, and 34-560B authorize an annual total of 15.0 af to be used for evaporation losses or to cycle water through the reservoir and back into Cherry Creek.

G. NARRATIVE/REMARKS/COMMENTS

POU was found to be in the SWNE and NWSE so an amendment was requested from the permitholder to reflect this change. All conditions of the permit were in compliance, and the reservoir was lined with bentonite.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
DIVERSION TO STORAGE	11/01 to 03/31	1.00 CFS	
RECREATION STORAGE	01/01 to 12/31		18.4
RECREATION	01/01 to 12/31	1.00	724

Totals: 1.00 CFS 724 AF

2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None

 X Change P.U. as reflected above Add P.U. as reflected above None

I. AUTHENTICATION Christian Stewart, IDWR Water Resource Agent

Field Examiner's Signature Christian J Stewart

Date 7/14/25

Reviewed: Blake Jordan 7/15/2025

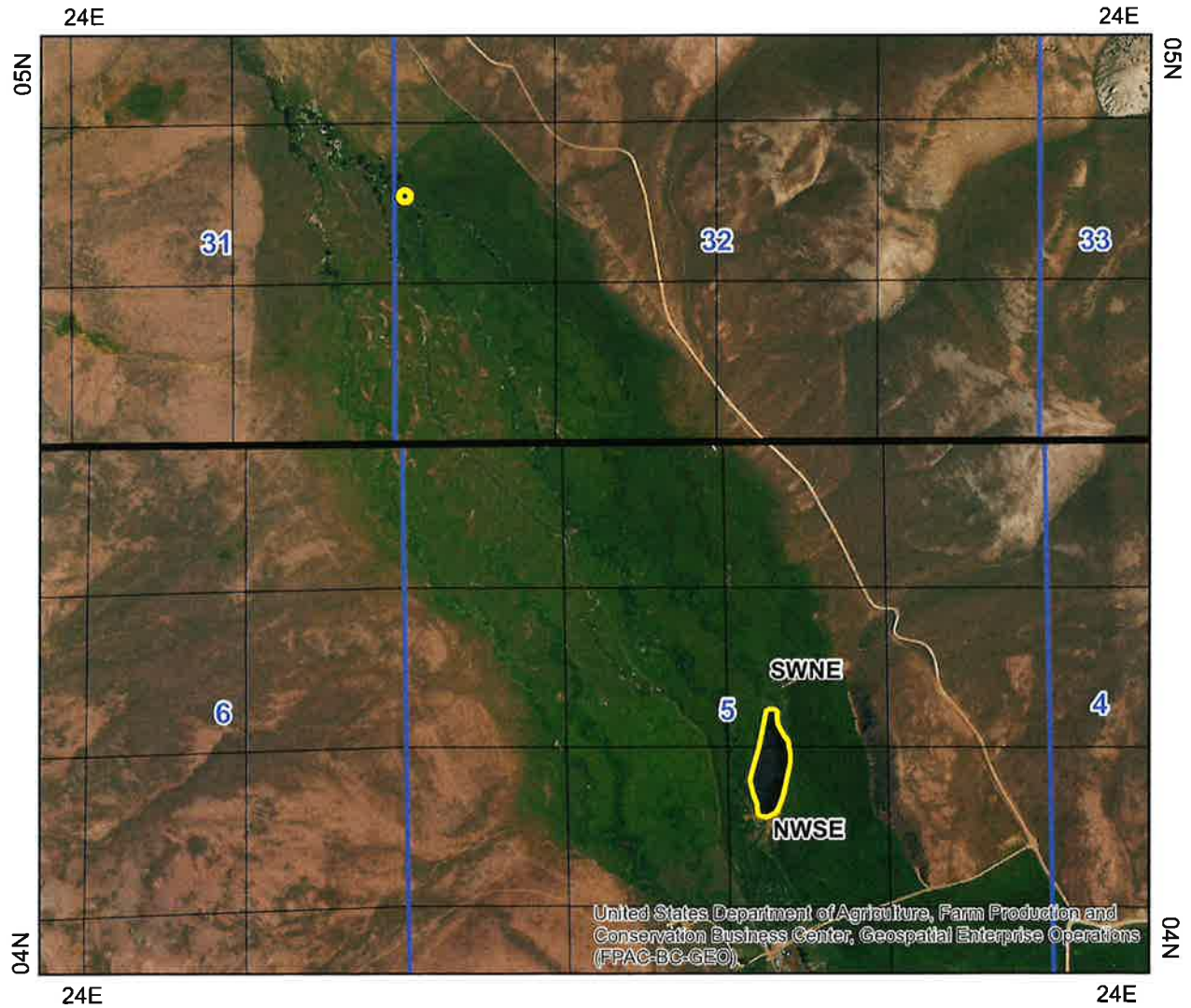
State of Idaho
Department of Water Resources

Water Right

34-13838

Antelope Valley Ranch Llc

July 15, 2025



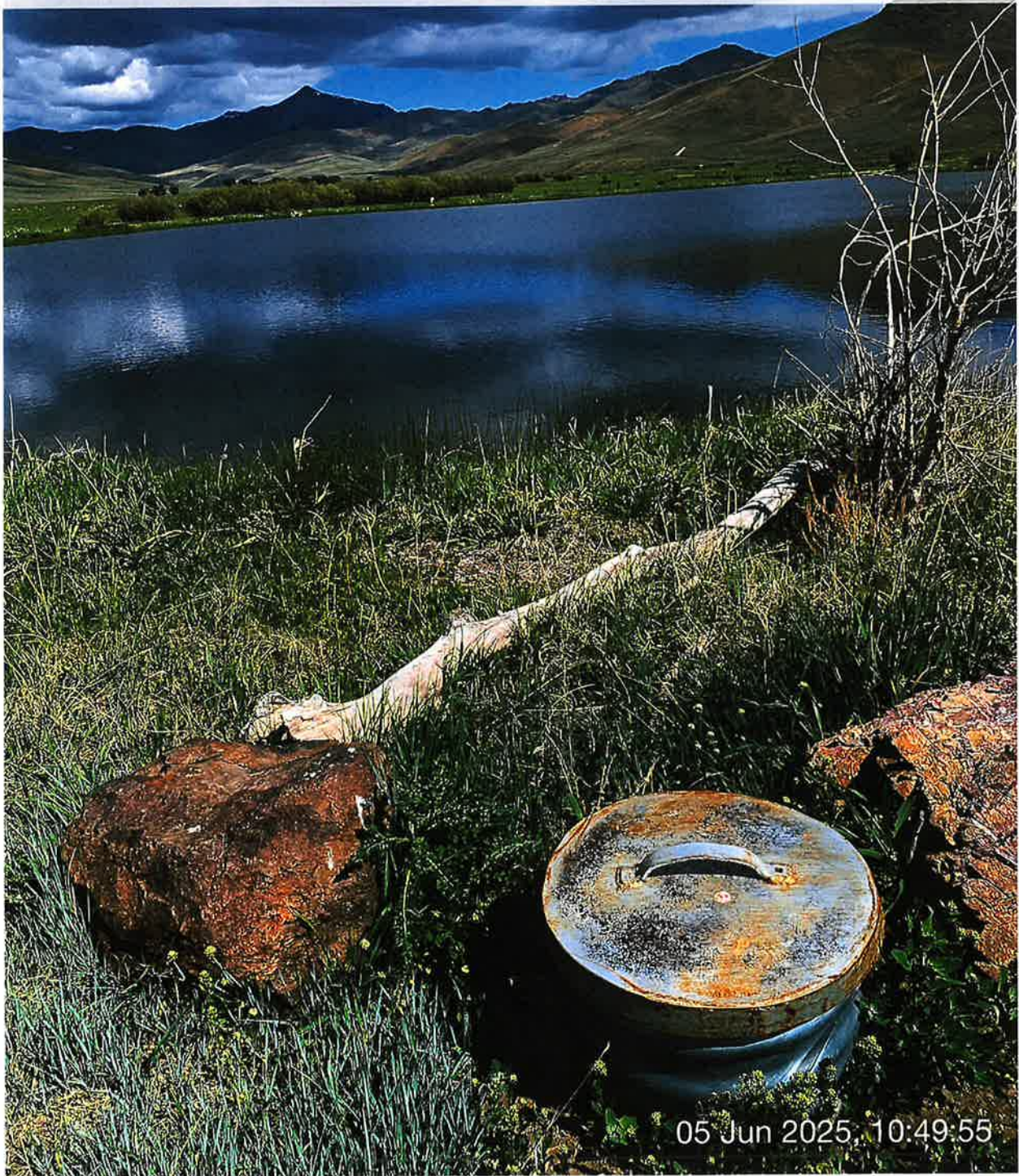
0 0.175 0.35 0.7 Miles

- Place Of Use Boundary
- Point of Diversion
- State Outline
- Townships
- PLS Sections
- Quarter Quarters



South East Elevation

☉ 332°NW (T) ☉ 43.702898°N, 113.623589°W ±55ft



Culvert drain to outflow

North East Elevation

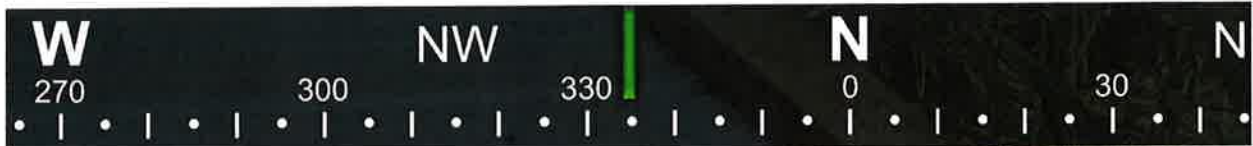
☉ 219°SW (T) ☉ 43.702562°N, 113.623850°W ±13ft



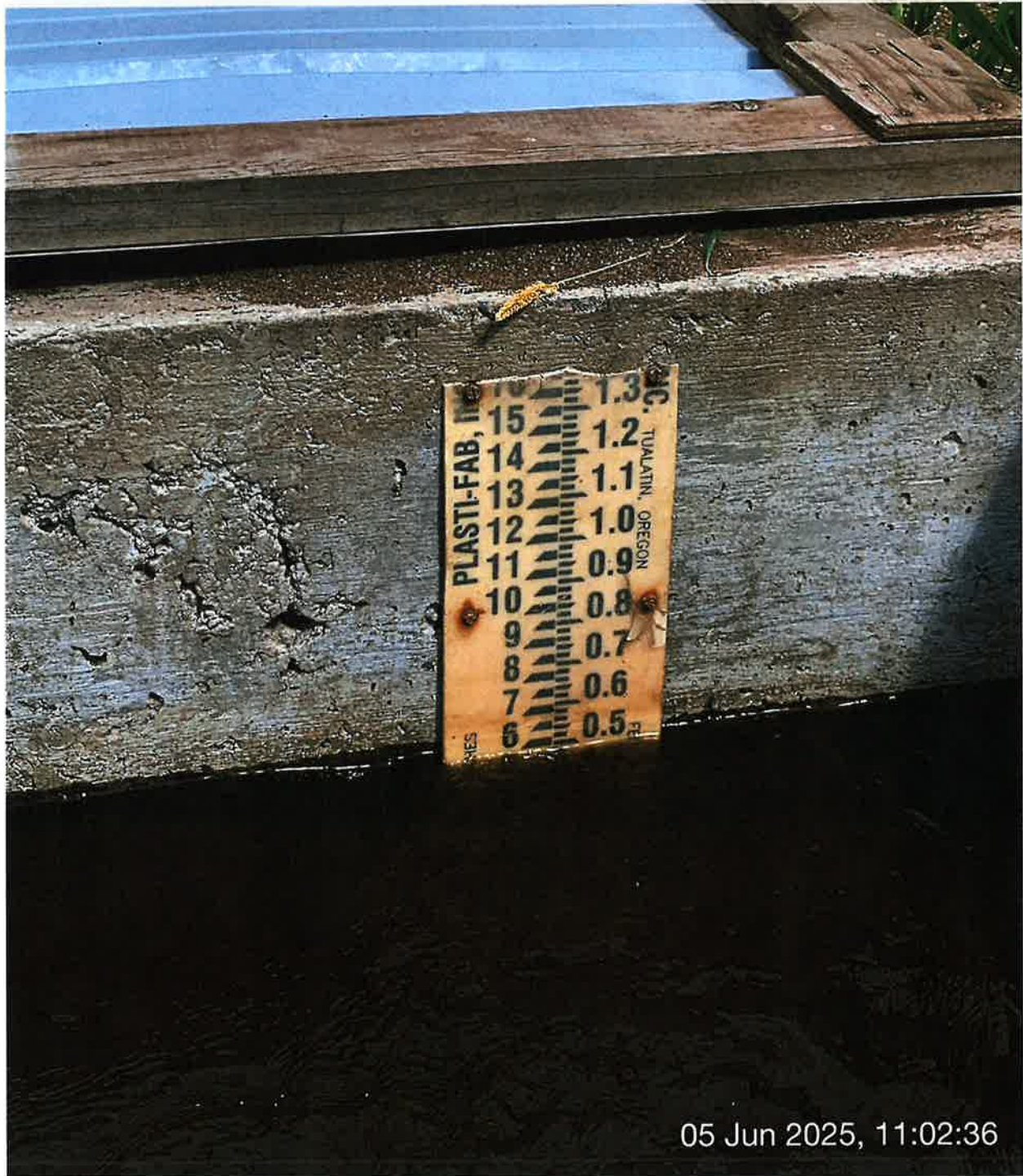
Weir at out flow



weir at inflow - level zeroed



☉ 335°NW (T) ☉ 43.705415°N, 113.623113°W ±157ft



05 Jun 2025, 11:02:36

Staff gage at inflow



☉ 299°NW (T) ☉ 43.705409°N, 113.623185°W ±36ft



weir at inflow



Headgate at inflow