

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 13-77831. Owner WHISKEY CREEK RANCH LLC Phone No. _____Current address 427 RICE HOPE DR. MT PLEASANT, SC. 294642. Examiner's name CASS JONES EXAM DATE 4/10/20173. Accompanied by KENT CLEGG Email KCLEGG1@GMAIL.COMAddress 2372 CLEGG LN. GRACE, ID. 83241Relationship to permit holder RANCH MANAGER Phone No. 208-221-07574. Source WHISKEY CREEK tributary to BEAR RIVER**B. OVERLAP REVIEW**1. Other water rights with the same place of use 13-687A, 13-688, 13-7770, 13-7772, 13-697A2. Other water rights with the same source and point of diversion 13-687A, 13-688, 13-7770, 13-7772, 13-697A**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			SW	SE	7	11S	41E	CARIBOU	GPS

2. Place(s) of Use: Method of determination GPS

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
11S	41E	18							X										
									L2										

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.

Scale: 1" = _____

- ☒ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☒ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
WEIR	PLATE				4'X6'X5'	

2. Measurements: _____

Water flows through a weir with staff gauge installed.

E. NARRATIVE/REMARKS/COMMENTS

The weir is at the headwaters of Whiskey Creek. The water comes out of the mountain and directly into the weir. The weir is 4' wide, 6' long, and 5' high, and is a plate weir. There is a staff gauge situated next to the plate to easily allow the water master to calculate the flow. Kent Clegg mentioned they never run it over 4" on the staff gauge, but could overflow the whole weir if they wanted to. After the weir the water travels through a 12" plastic pipe ~1,200 yards to the main irrigation control area. Here there is a valve that can be turned on to allow the water to flow into the pond. There is no pump associated with the system, it is all gravity fed. The west pond is ~10' deep at its deepest point, and has a surface area of 1.5 acres. The east pond is ~6' deep at its deepest point and has a surface area of 2 acres. Combined

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

Weir dimensions = W-4', L-6', H-5', Head-4"

$$Q = \frac{3.247 \cdot (4') \cdot (0.4')^{1.48} - 0.566 \cdot (4')^{1.9}}{1 + 2(4')^{1.87}} \cdot (4')^{1.9}$$

$$= 0.29 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\text{NA}}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = \underline{\text{NA}}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = \underline{\text{NA}}$$

2. Volume Calculations for Other Uses:

Pond 1: ~1.6 Acres, ~10' Deep. (1.5 acres) x (10' deep) x (0.4) = 6.4 af

Pond 2: ~2.1 Acres, ~6' Deep. (2 acres) x (6' deep) x (0.4) = 5.0 af

(6.4 af) + (5 af) + (0.70 evaporative losses) = 12.1 afa

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Diversion to Storage	10/01	4/19	0.2 cfs	
Aesthetic Storage	10/01	4/19		12.1 afa
Wildlife Storage	10/01	4/19		12.1 afa
Totals:			0.2 cfs	10.8 afa

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature

Date 6/23/17

Reviewer

James Cefalo

Date

7/12/17

SEAL



Idaho Department of Water Resources

Water Right
13-7783
(AESTHETIC STORAGE)

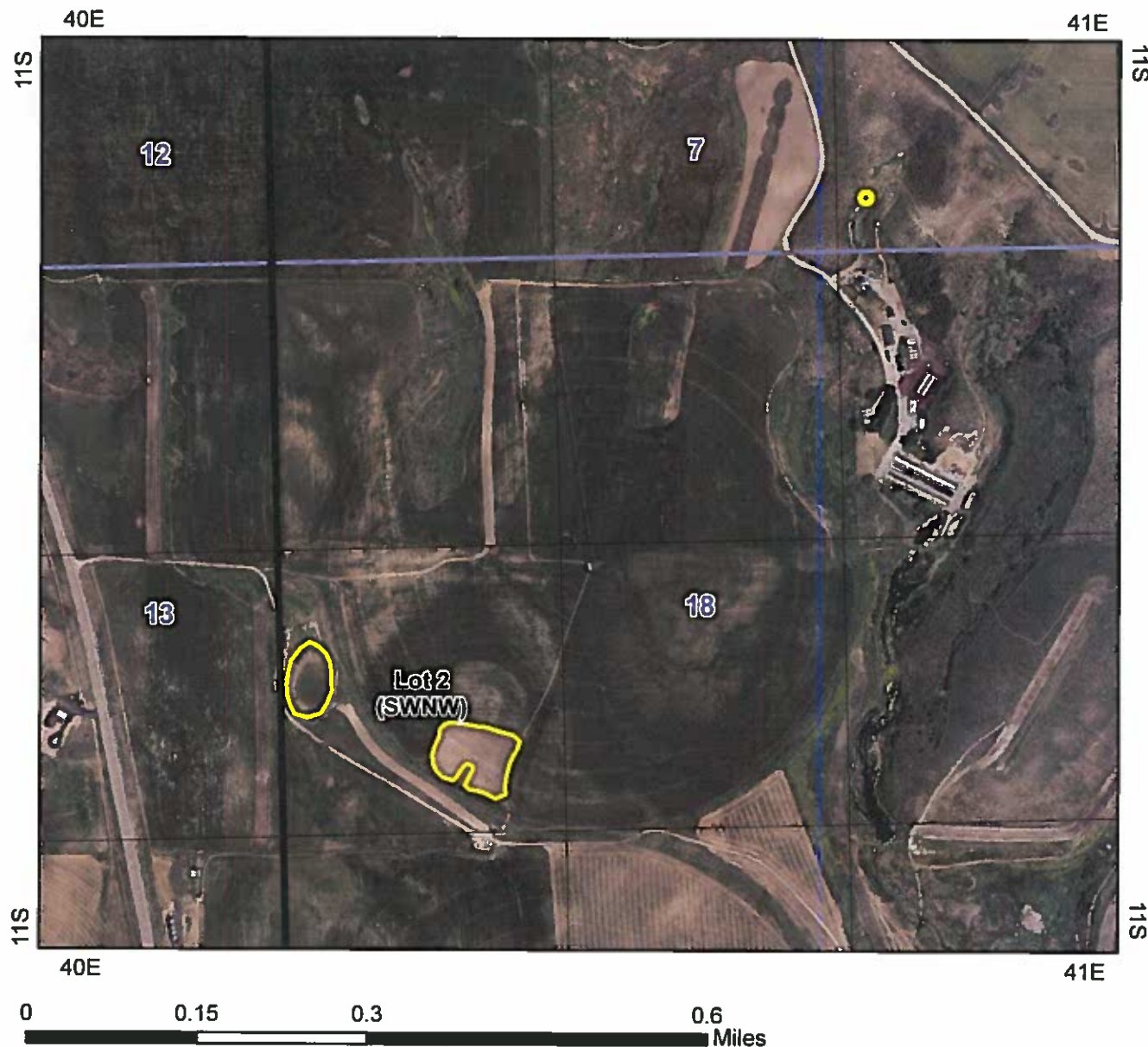
-  Place of Use
-  Point of Diversion
-  State Outline
-  Townships
-  PLS Sections



Caribou County
IDWR Basin 13

Prepared by Jones, Cass

Background: 2015 Aerial Photography





Idaho Department of Water Resources

Water Right
13-7783
(WILDLIFE STORAGE)

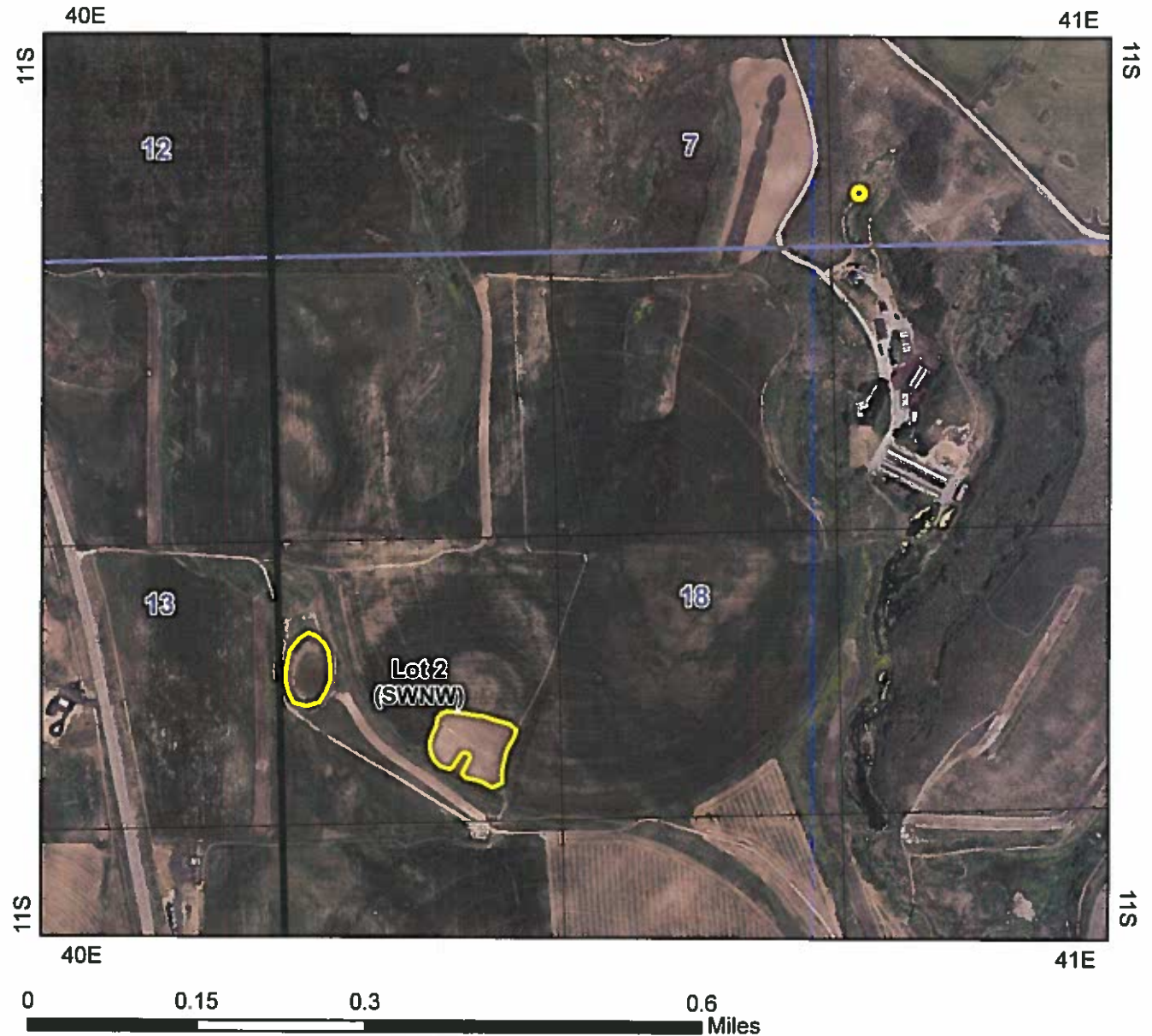
-  Place of Use
-  Point of Diversion
-  State Outline
-  Townships
-  PLS Sections



Caribou County
IDWR Basin 13

Prepared by Jones, Cass

Background: 2015 Aerial Photography





Initial point where the stream comes out of the hills.



The headgates to the left release water into this weir.



Looking down into the weir at the 12" Plastic Pipe that carries water down to the irrigation system and Ponds.



Pic of the staff gauge and plate. Kent Clegg says they never go over 4 inches of head.



12" CMP that brings water from the springs in the hills to the weir.



Irrigation system where water comes from weir down into the system and is then diverted out.



Close up of system. Pump is not hooked to this system.



West pond POU.



Overflow pipe approx. 10' high



East Pond POU



Close up of east pond POU. Duck blind in the middle with raised walkway from left to right.



Close up of east pond.