

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. 13-79511. Owner WHISKEY CREEK RANCH LLC

Phone No. _____

Current address 427 RICE HOPE DR. MT PLEASANT, SC. 294642. Examiner's name CASS JONESEXAM DATE 4/10/20173. Accompanied by KENT CLEGGEmail KCLEGG1@GMAIL.COMAddress 2372 CLEGG LN. GRACE, ID. 83241Relationship to permit holder RANCH MANAGERPhone No. 208-221-07574. Source WHISKEY CREEKtributary to BEAR RIVER**B. OVERLAP REVIEW**1. Other water rights with the same place of use None2. Other water rights with the same source and point of diversion None**C. DIVERSION AND DELIVERY SYSTEM**

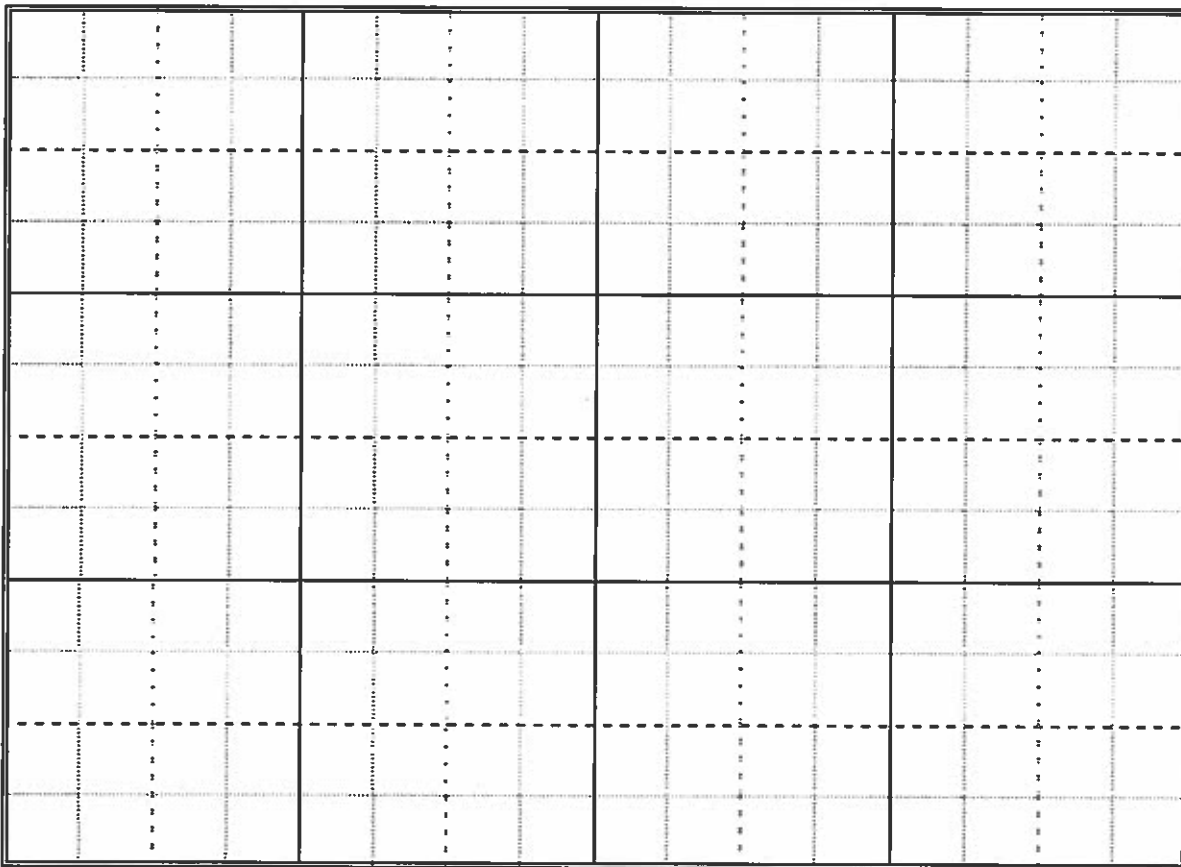
1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
			NW	SE	18	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			

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
CURRENT METER	PRICE AA			000883		4/30/2015

2. Measurements: _____

USED A PRICE AA CURRENT METER TO DETERMINE FLOW.

E. NARRATIVE/REMARKS/COMMENTS

There is a slide headgate at the bottom of a pond, in an existing weir that is situated below the Grace Fish Hatchery. A 12' CMP runs from the existing weir underground ~100 yards where it discharges into a small channel. The channel is ~8 feet in width and winds ~150 yards to where it reconnects with Whiskey Creek.

Measurement was performed with a Price AA meter. The measurement was taken in the stream at a point with a maximum width of 8' and an average depth of 0.62'. Additional computation sheet is attached for velocity calculation.

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:

Additional computation sheet attached.

G. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

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

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

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

2. Volume Calculations for Other Uses:

$$(\text{cfs}) \times (\# \text{ of days in use}) \times (1.9835) = \text{afa}$$

$$(4.08 \text{ cfs}) \times (365 \text{ days}) \times (1.9835) = 2954 \text{ afa}$$

H. RECOMMENDATIONS**1. Recommended Amounts**

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
FISH PROPAGATION	1/01	12/31	4.08 cfs	2954 afa
Totals:			4.08 cfs	2954 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

flow rate measurement using 'AA'

Width 8

<u>Ave Velocity</u>	<u>Sum of Area</u>	<u>Total Discharge</u>
0.412	3.95	4.081

[illegible]



Idaho Department of Water Resources

Water Right
13-7951
(FISH PROPAGATION)

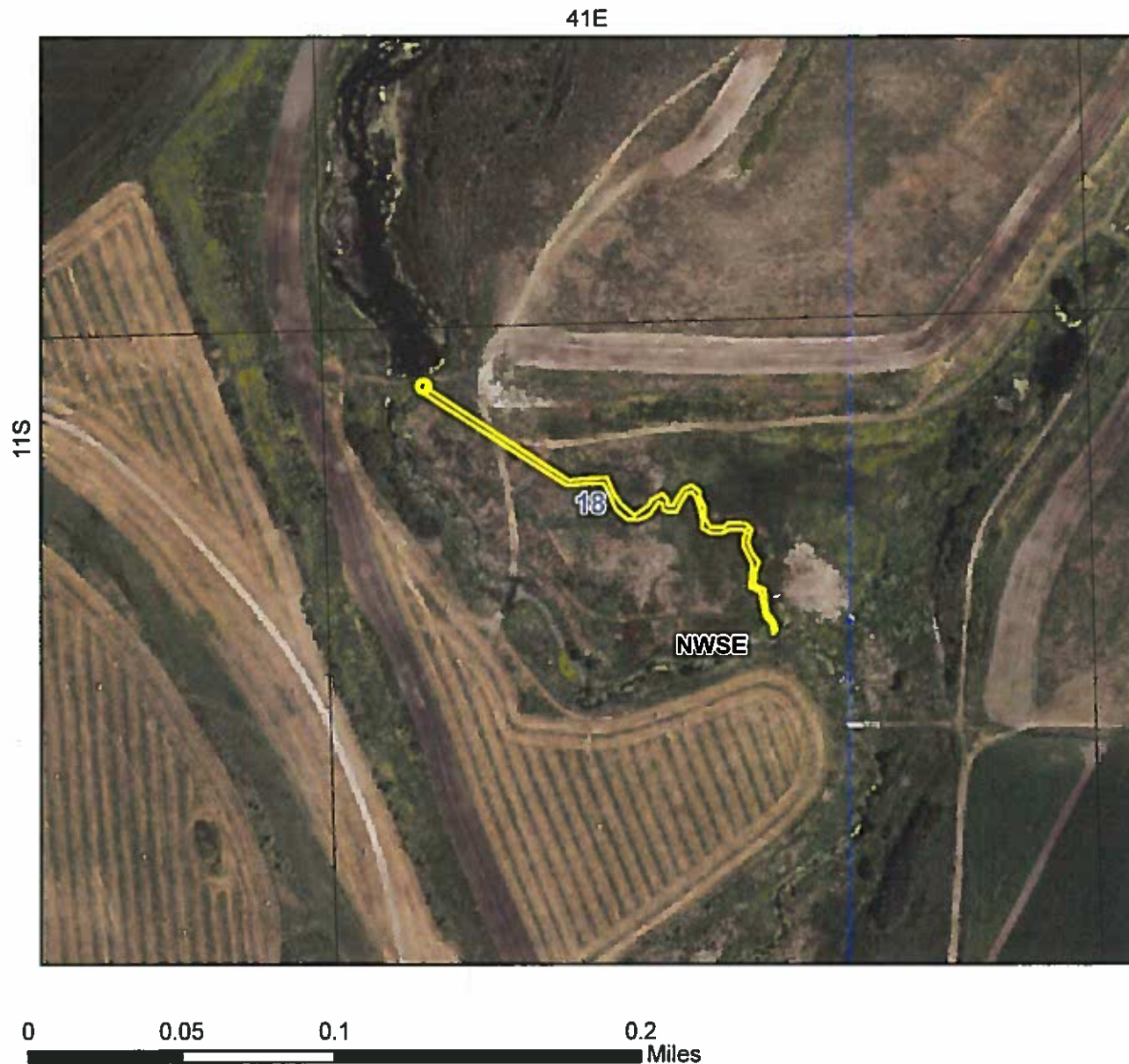
-  Place of Use
-  Point of Diversion
-  State Outline
-  Townships
-  PLS Sections



Caribou County
IDWR Basin 13

Prepared by Jones, Cass

Background: 2015 Aerial Photography





Point of Diversion headgate into 12" CMP



Structure to divert water through headgate



Discharge out of 12" CMP into fish propagation stream



Close up of discharge out of 12" CMP



Fish propagation stream that leads back to Whiskey Creek