

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 15-7242

Exam Date: 6/4/2014

1. Current Owner: VERLIN and/or ANNETTE WILLIAMS
2141 W 500 S
MALAD ID 83252
(208)766 4691

2. Accompanied by: Verlin Williams

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE1/4NE1/4 Sec. 30, Twp 14S, Rge 36E, B.M. ONEIDA County

Method of Determination: GPS and aerial photos

2. PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
14S 36E 30	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	7.0

Total Acres: 7

PLACE OF USE: STOCKWATER

Twp Rge Sec	NE				NW				SW				SE				Totals
14S 36E 30	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	X

Method of Determination: Aerial photos

D. FLOW MEASUREMENTS

No measurement was possible during field exam.

E. FLOW CALCULATIONS

Water user runs 25 birds at once. 25 x 4 gpm per bird = 100 gpm (0.22 cfs) Permit is limited to 0.14 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 7 \text{ acres} \times 3.5 \text{ acre-feet/acre} = 24.5 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.14 \times 214 \times 1.9835 = 59.4 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 24.5 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

$$\text{Stockwater} = 20 \text{ cattle} \times 12 \text{ gpd per cow} \times 365 \text{ days} = 87,600 \text{ gallons} = 0.3 \text{ acre-feet}$$

G. NARRATIVE/REMARKS/COMMENTS

Ground water well and pump used to irrigate 7+ acres. Permit was good for 7 acres. License will be limited to 7 acres. Unable to obtain a measurement, despite multiple attempts. Water user reports being able to run 25 rainbirds at a time. Assuming 4 gpm per bird, system can produce 0.22 cfs, which is still well in excess of permitted amount. License will be issued for 0.14 cfs. Water user reports the maximum number of cows = 20.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	0.140 CFS	24.50 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.30 AF
<u>Totals:</u>		0.140 CFS	24.80 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

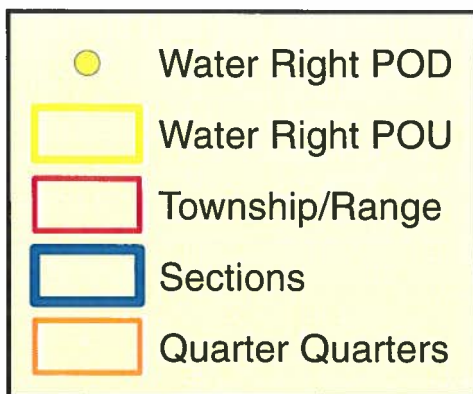
Field Examiner's Name James Cefalo Date 6/13/2014

Reviewer _____ Date _____

Water Right License 15-7242



2011 Aerial Photo



0 250 500 Feet



