

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9441

Exam Date: 8/12/2015

1. Current Owner: FRED OMODT
488 SHINGLE MILL RD
SANDPOINT ID 83864
(208)263-9352

And

PATTY OMODT
488 SHINGLE MILL RD
SANDPOINT ID 83864
(208)263-9352

2. Accompanied by: Patty Omodt

3. SOURCE

BOYER SLOUGH

TRIBUTARY

LAKE PEND OREILLE

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:**

BOYER SLOUGH L7 NW1/4NE1/4 Sec. 6, Twp 57N, Rge 01W, B.M. BONNER County

Method of Determination: GPS and maps. POD location a little east of 48° 19.401, 116° 29.519. Could not make to actual POD because of slough.

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	01W	6		7.5															7.5
				L 7															

Total Acres: 7.5

Method of Determination:

3. ☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u> <u>ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge</u> <u>Size</u>
		7.5			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
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2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: COULD NOT PERFORM FLOW MEASUREMENT BECAUSE PIPE WAS BURIED AND BECAUSE PUBLIC WAS PICKING BLUEBERRIES DURING FIELD EXAM. THEORETICAL PUMPING EQUATION ESTIMATES FLOW AT $(7.5 \text{ HP})(8.8)(0.8) / 60 + (70 \times 2.3087) = 0.24 \text{ CFS}$. IT IS 60 FEET FROM PUMP TO HIGHEST PLACE OF IRRIGATION AND THE SYSTEM PRESSURE IS 70 PSI AS TOLD BY APPLICANT.

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

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 7.5 \text{ AC} \times 3 \text{ AF} = 22.5 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.15 \text{ CFS} \times 214 \times 1.9835 = 63.7 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 22.5 \text{ AF}$$

2. Volume Calculations for Other Uses:**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED 7.5 HP PUMP PULLING WATER TO IRRIGATE BLUEBERRY FARM AND GARDEN AND YARD SPACE FOR APPLICANTS HOME. UNABLE TO PERFORM FLOW MEASUREMENT BECUASE PUBLIC WAS PICKING BLUEBERRIES. EXAM SHOWED IRRIGATION WAS OF 7.5 ACRES AND NOT THE 10 ACRES WHICH IS WHAT WAS APPLIED FOR. LICENSE WILL BE ISSUED FOR 0.15 CFS AND A ANNUAL VOLUME OF 22.5 AF.

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	0.150 CFS	22.50 AF
<u>Totals:</u>		0.150 CFS	22.50 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

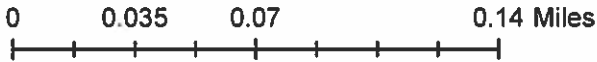
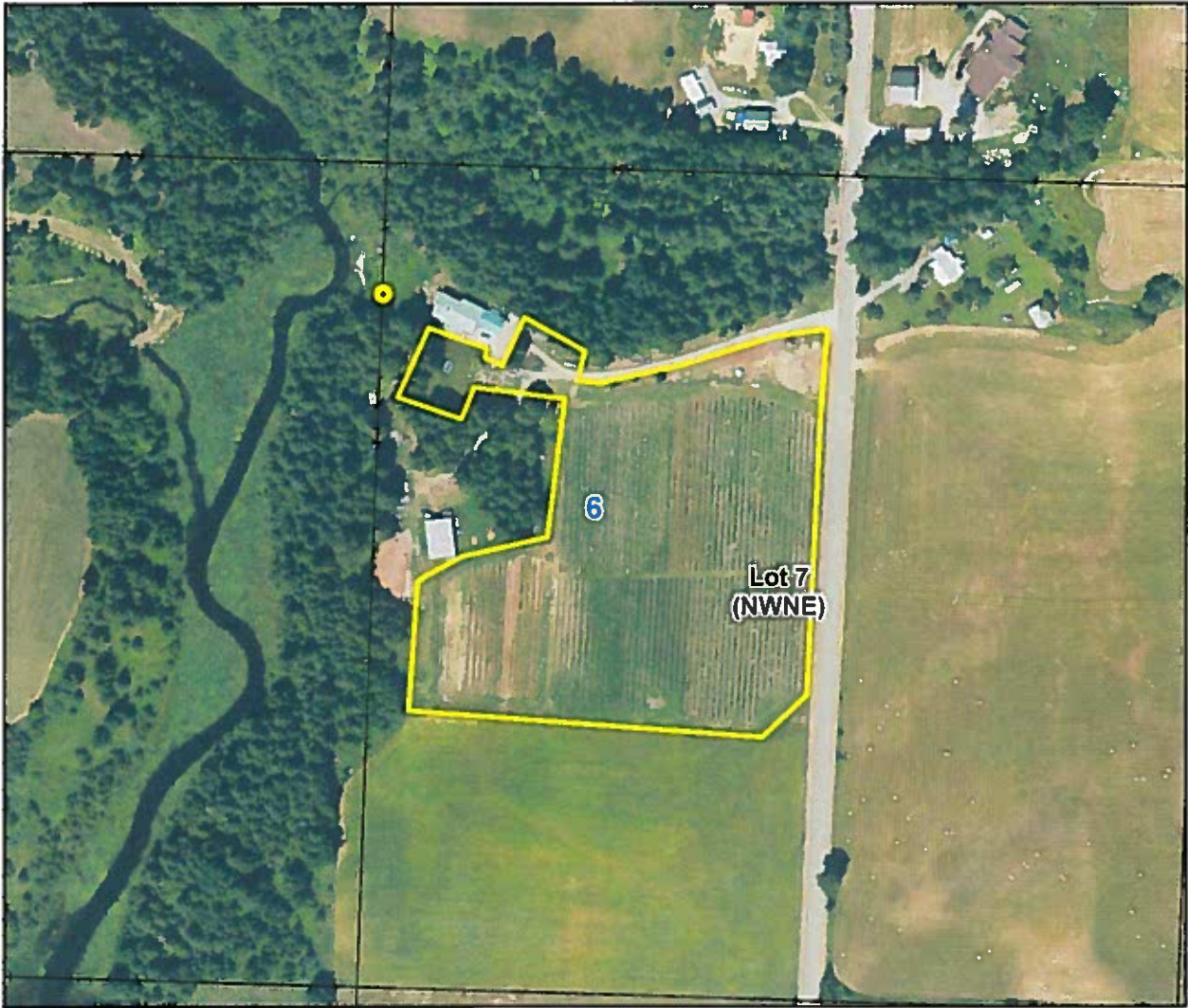
Field Examiner's Name Adam Fendrich Date 1-5-16

Reviewer [Signature] Date 1-5-2016

State of Idaho
Department of Water Resources
Water Right License
96-9441

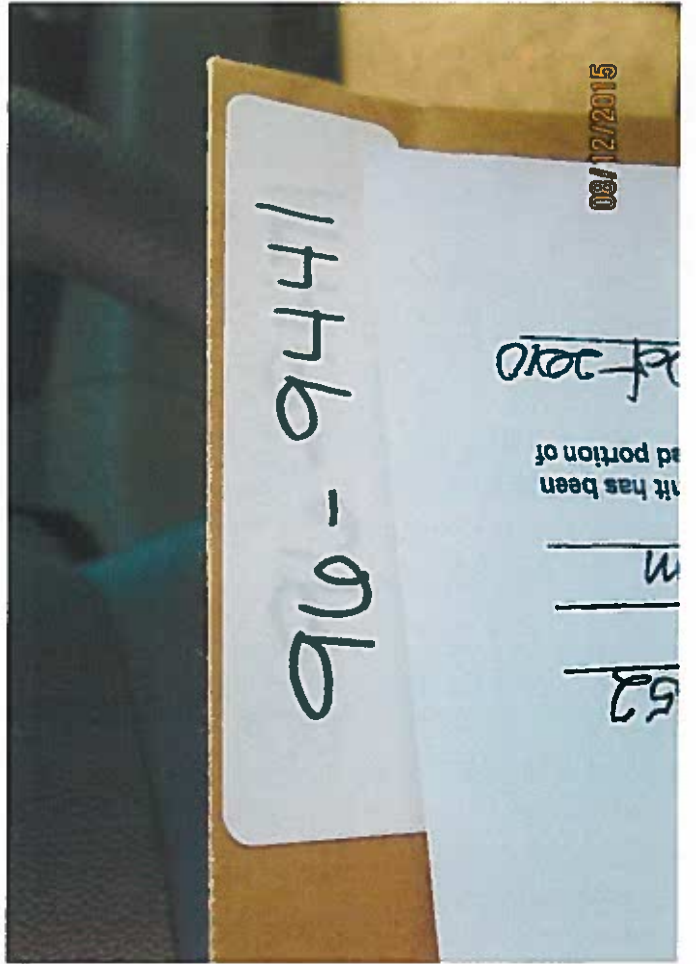
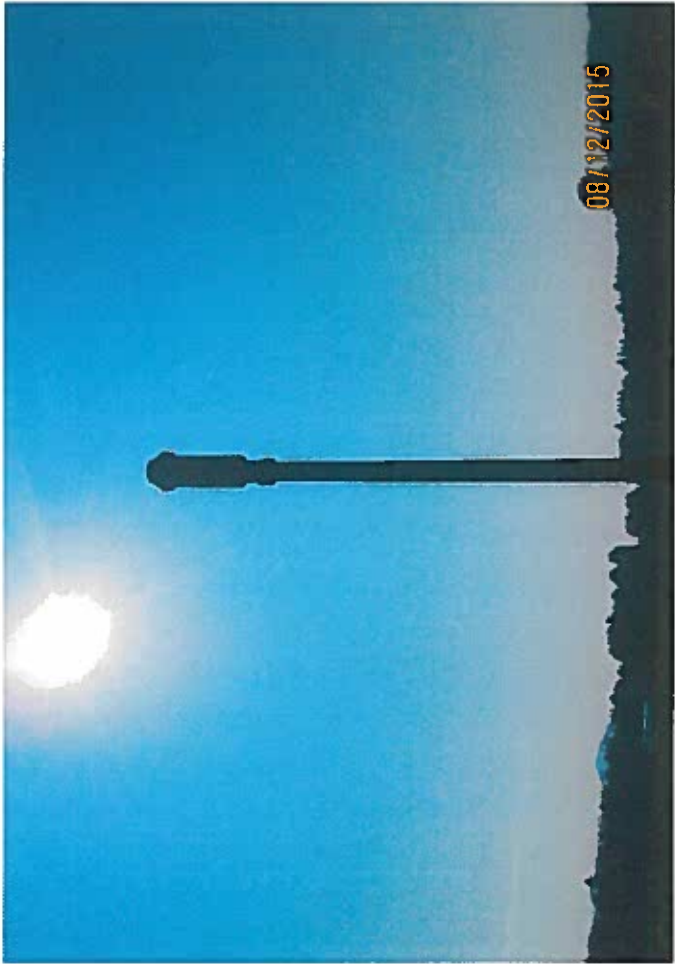
01W

57N

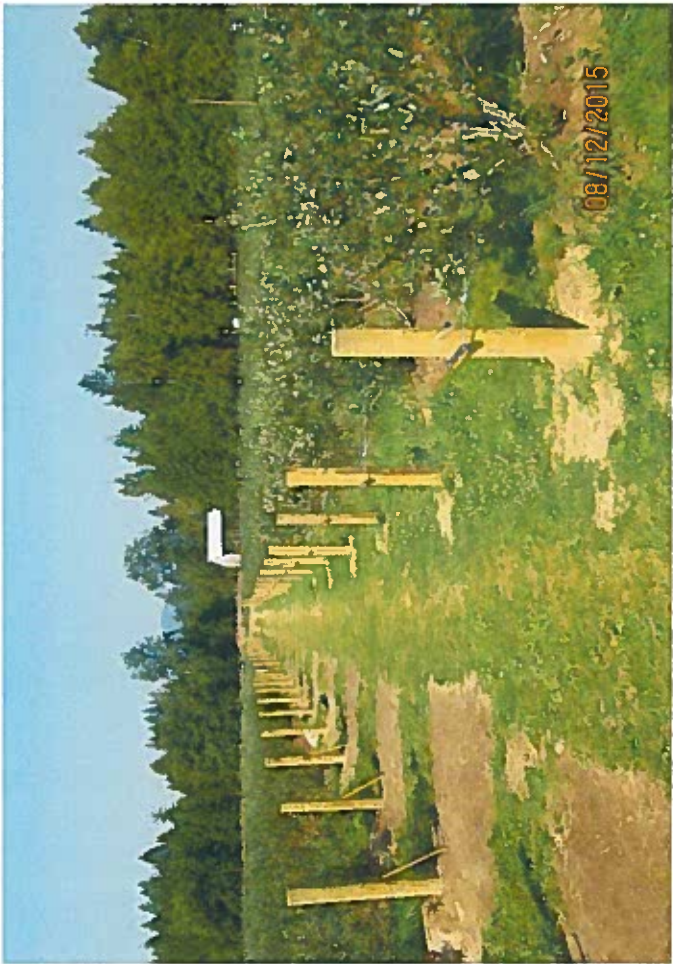


-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

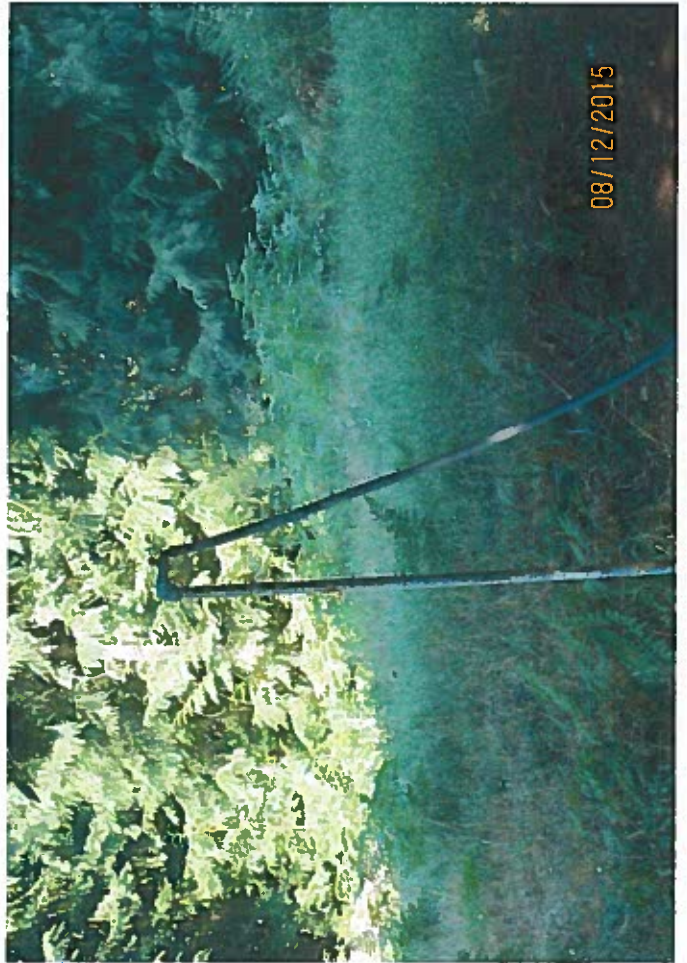




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