

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-7549

Exam Date: 7/29/2015

1. Current Owner: RANDALL W BABIN
20874 COEUR D ALENE RIVER RD
WALLACE ID 83873
(208) 682-3141

And/Or

NETTA L BABIN
20874 COEUR D ALENE RIVER RD
WALLACE ID 83873
(208) 682-3141

And/Or

GREGORY BABIN
20874 COEUR D ALENE RIVER RD
WALLACE ID 83873
(208) 682-3141

2. Accompanied by: Randall Babin

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. 31, Twp 50N, Rge 04E, B.M. SHOSHONE County

Method of Determination: GPS and Maps. POD location at 47° 38.364, 115° 59.218 (A0015495)

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	
50N 04E 31				2.8									.2				3.0
50N 04E 32							.3		.7								1.0

Total Acres: 4

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>
HAND DUG WELL		1			

*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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N/A

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.
THEORETICAL PUMPING EQUATION ESTIMATES FLOW AT 32 GPM OR 0.07 CFS.

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

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4 \text{ AC} \times 3 \text{ AF} = 12.0 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.07 \text{ CFS} \times 214 \times 1.9835 = 29.7 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 12.0 \text{ AF}$$

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

FIELD EXAM REQUIRED TO VERIFY ACREAGE BECUASE IN OFFICE EXAM COULD NOT VERIFY ACREAGE BECUASE OF TREE COVERAGE. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. APPLICANT HAD HAND DUG WELL THAT WAS 8 FT BELOW GROUND LEVEL WITH 1 HP PUMP IN WELL. APPLICANT WATERED 4 ACRES OF LAND UNDERNEATH TREES AND OTHER AREAS WITH GRASSY LAND TO HELP PROTECT LAND FROM FIRES. THEORETICAL PUMPING EQUATION ESTIMATES FLOW RATE 32 GPM OR 0.07 CFS. LICENSE WILL BE ISSUED FOR 0.07 CFS AND 4 ACRES OF IRRIGATION WITH ANNUAL VOLUME OF 12 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	0.070 CFS	12.00 AF
<u>Totals:</u>		0.070 CFS	12.00 AF

2. Recommended Amendments

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

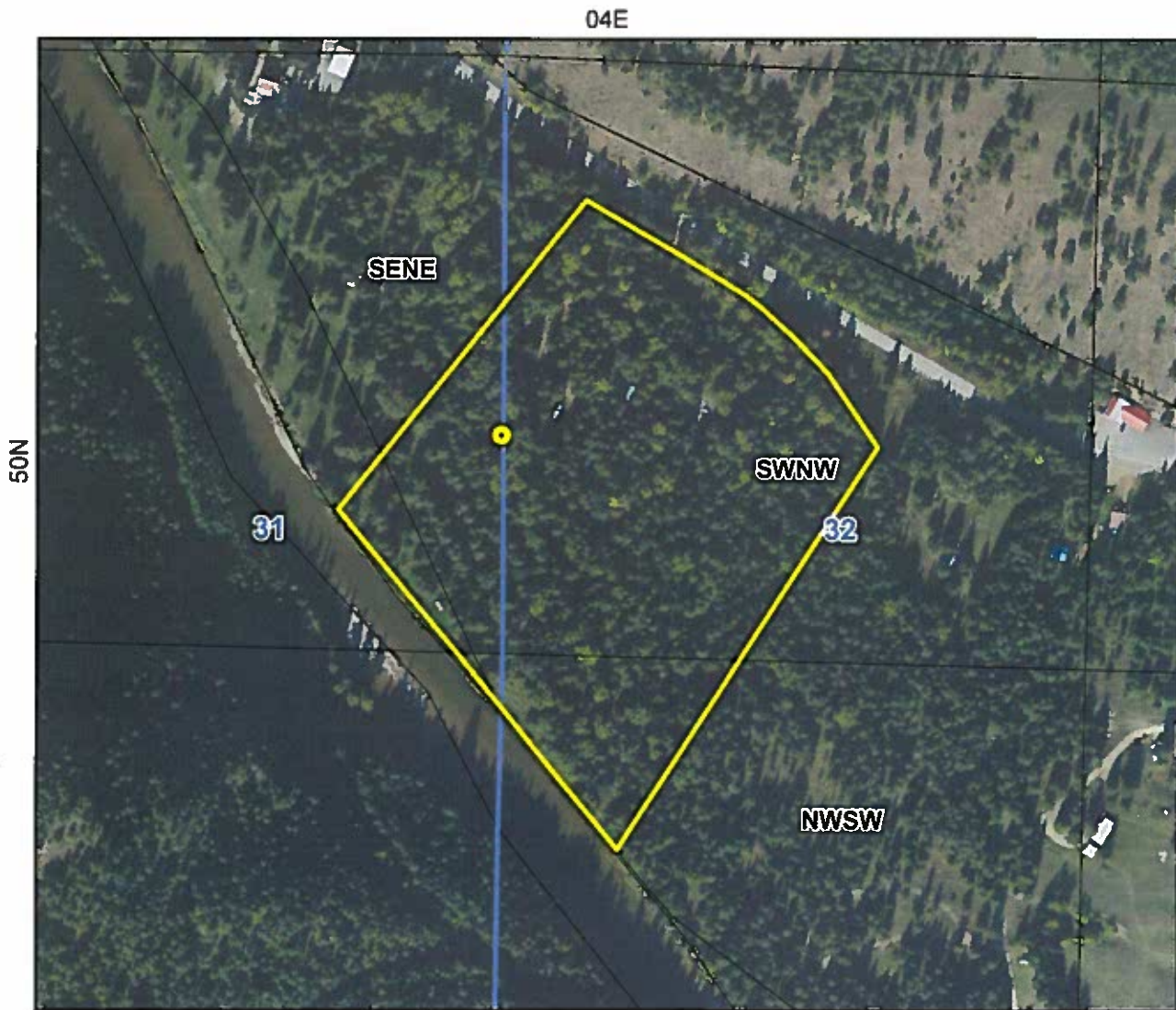
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Adam Finkler Date 11-4-2015
 Reviewer Keith E. S. [Signature] Date 11/6/2015

		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/ H	1	99.5170 1	0.8	7	40
Q =		0.071 cfs	31.8 gpm			

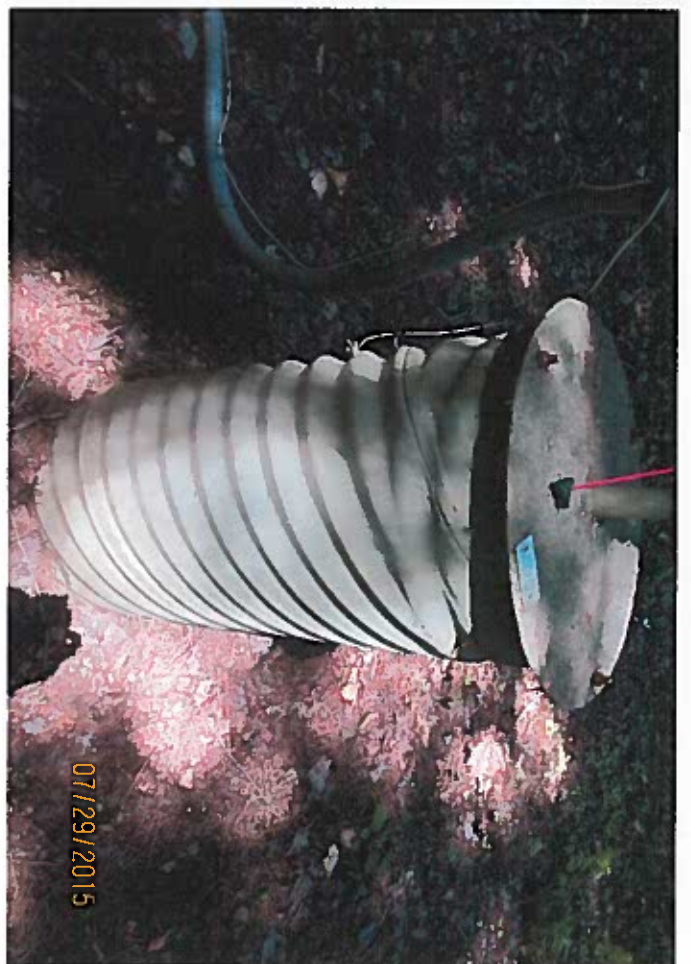
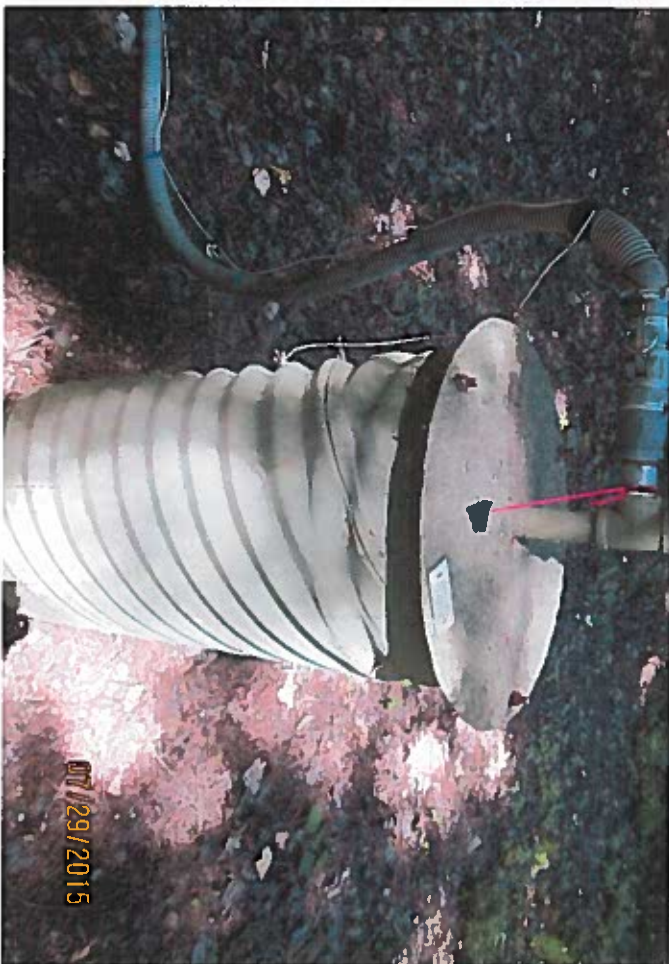
State of Idaho
Department of Water Resources
Water Right License
94-7549



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

0 0.05 0.1 0.2 Miles





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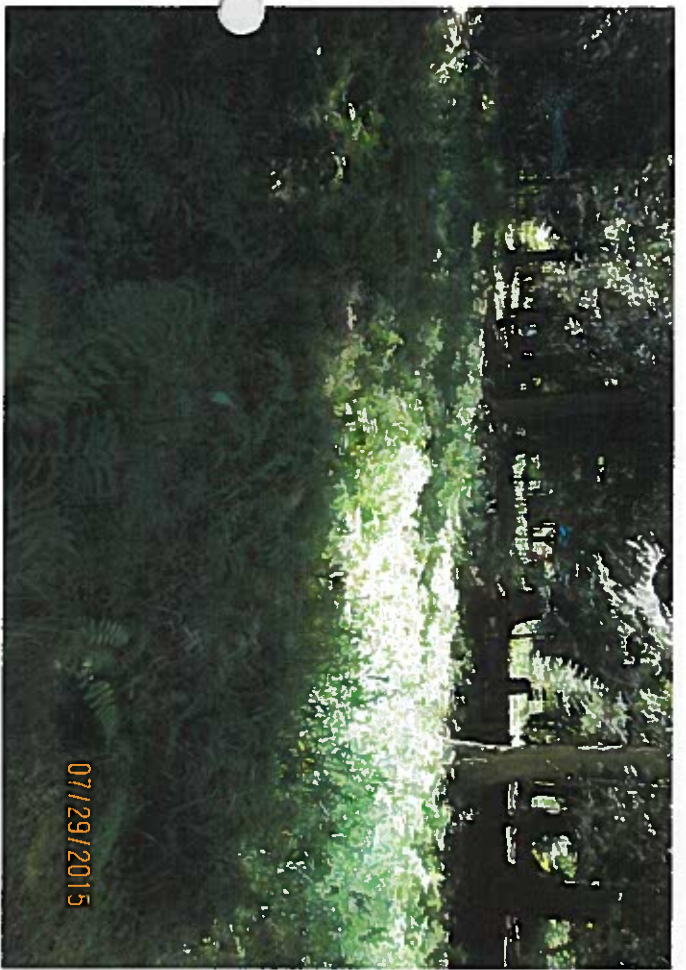
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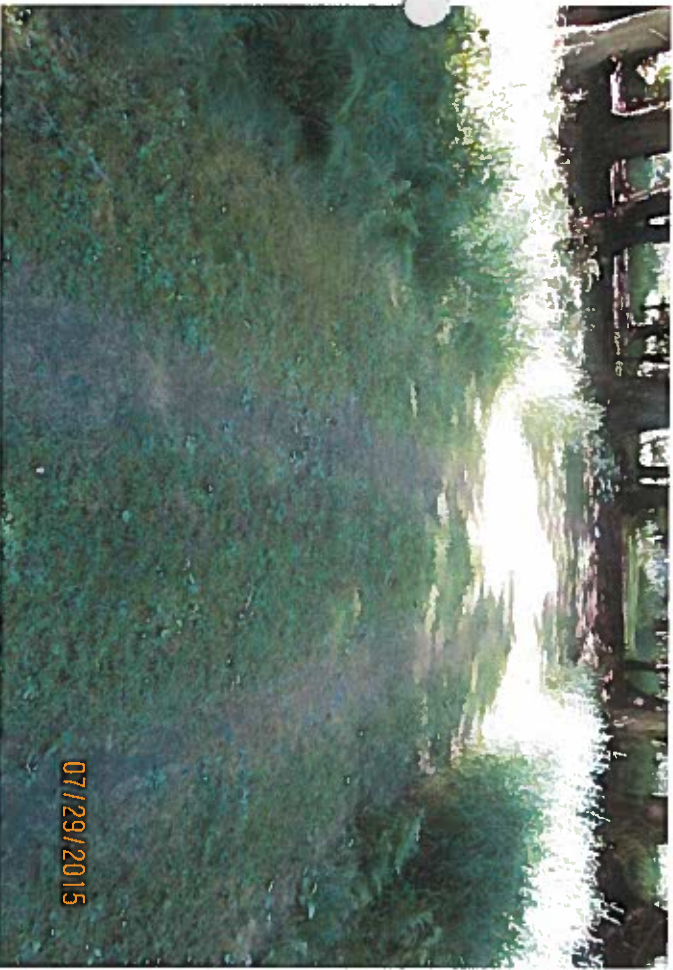
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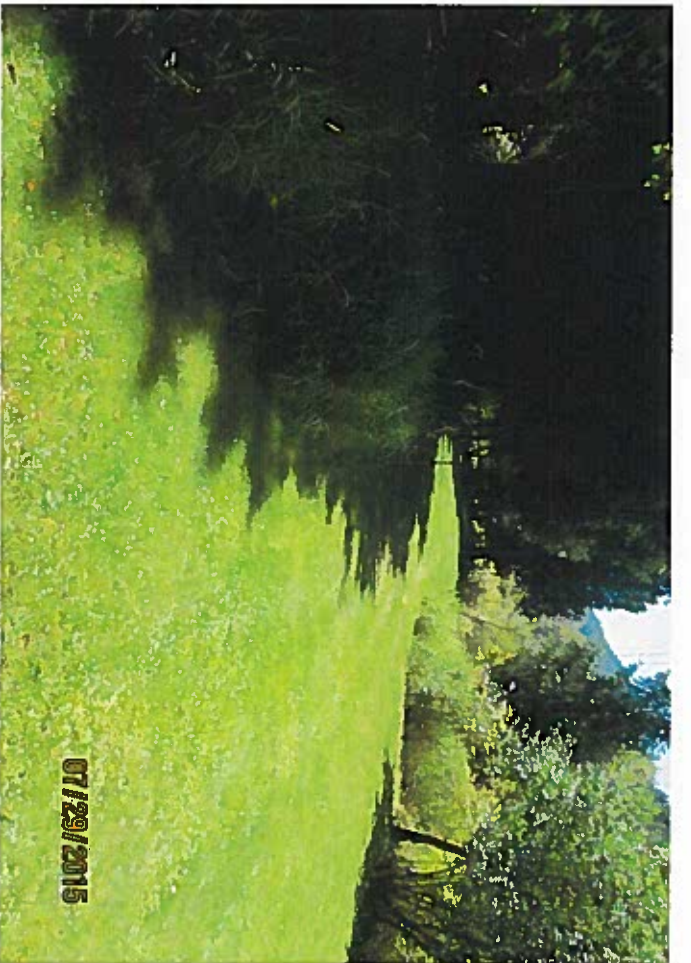


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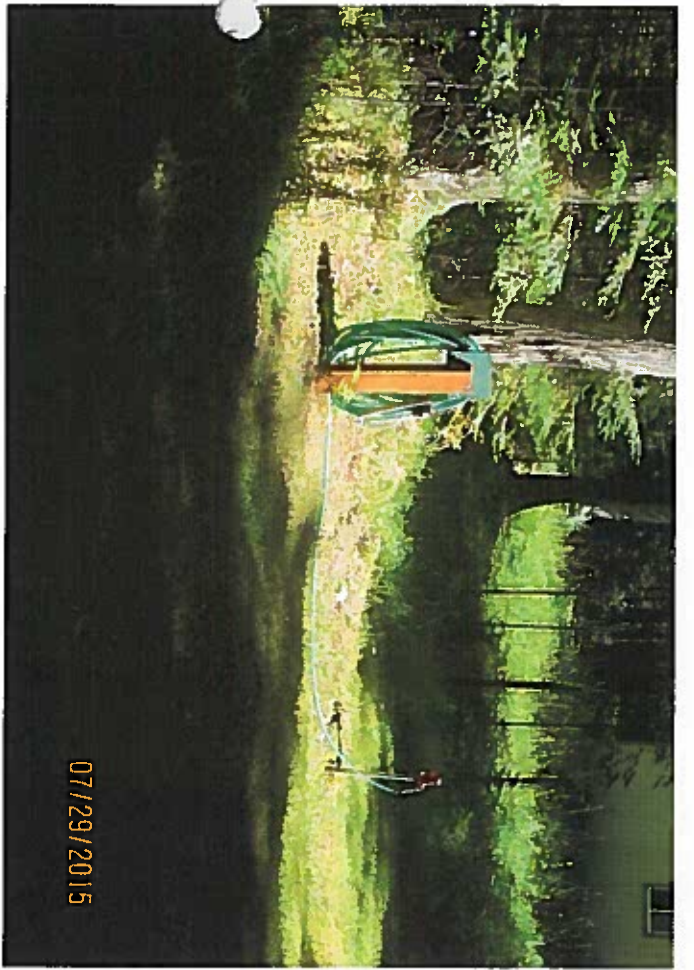
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