

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10892

Exam Date: 4/30/2015

1. Current Owner: HENRY POINT HOME OWNERS ASSN
PMB 125 N 9323 GOVERNMENT WAY
HAYDEN ID 83835
(208)772-9424

2. Accompanied by: Drive by

3. **SOURCE**

HAYDEN LAKE

TRIBUTARY

SINKS

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 SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

HAYDEN LAKE L7 NE1/4SW1/4 Sec. 3, Twp 51N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 47.570, 116° 41.573 (A0015301)

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
51N	03W	3	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	3.9
																			L 7

Total Acres: 3.9

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>
	BALDOR	10			

*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: UNABLE TO PERFORM FLOW MEASUREMENT. NOBODY PRESENT FOR EXAM.
MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.

For Comparison:

Assume: system pressure 40psi = 92.4 ft
Pump lift = 20 ft

$$Q = \frac{Hp(8.8)(cfs)}{H} = \frac{(10)(8.8)(0.8)}{20 + 92.4} = 0.63 cfs.$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.9 \text{ AC} \times 3 \text{ AF} = 11.7 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.12 \times 246 \times 1.9835 = 58.6 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 11.7 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

UNABLE TO MAKE CONTACT WITH ANYBODY FOR FIELD EXAM. FIELD EXAMINER CONDUCTED DRIVE BY EXAM TO TAKE PHOTOS AND VERIFY IRRIGATION WAS OCCURRING. FIELD EXAM SHOWED 10 HP PUMP WITH IRRIGATION UNDER 10 ACRES. FIELD EXAMINER USING ARC MEASURED POU AND STARTED SUBTRACTING HOMES, DRIVEWAYS, AND FORESTED AREAS. ACTUAL IRRIGATED LAND WAS 3.9 ACRES. UNABLE TO PERFORM FLOW MEASUREMENT BECUASE NOBODY PRESENT TO TURN ON SYSTEM AND NO WHERE TO HOOK UP FLOW METER. BECUASE IRRIGATION IS UNDER 5 ACRES, MEASUREMENT OF DIVERSION RATE IS COVERED UNDER IDAPA RULES 37.03.02.035.01.r. LICENSE WILL BE ISSUED FOR 0.12 CFS WITH 3.9 ACRES OF IRRIGATION WITH AN ANNUAL VOLUME OF 11.7 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	03/15 to 11/15	0.120 CFS	11.70 AF
<u>Totals:</u>		0.120 CFS	11.70 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 F. Lindahl Date 1-28-2016
 Reviewer [Signature] Date 2-1-2016

State of Idaho
Department of Water Resources
Water Right License
95-10892

03W

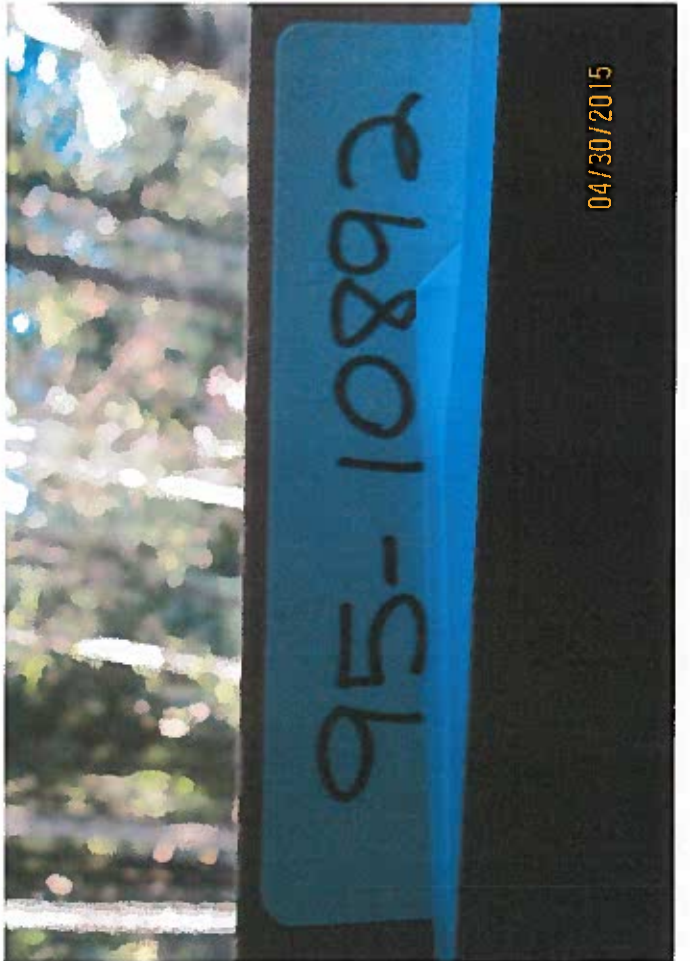
51N



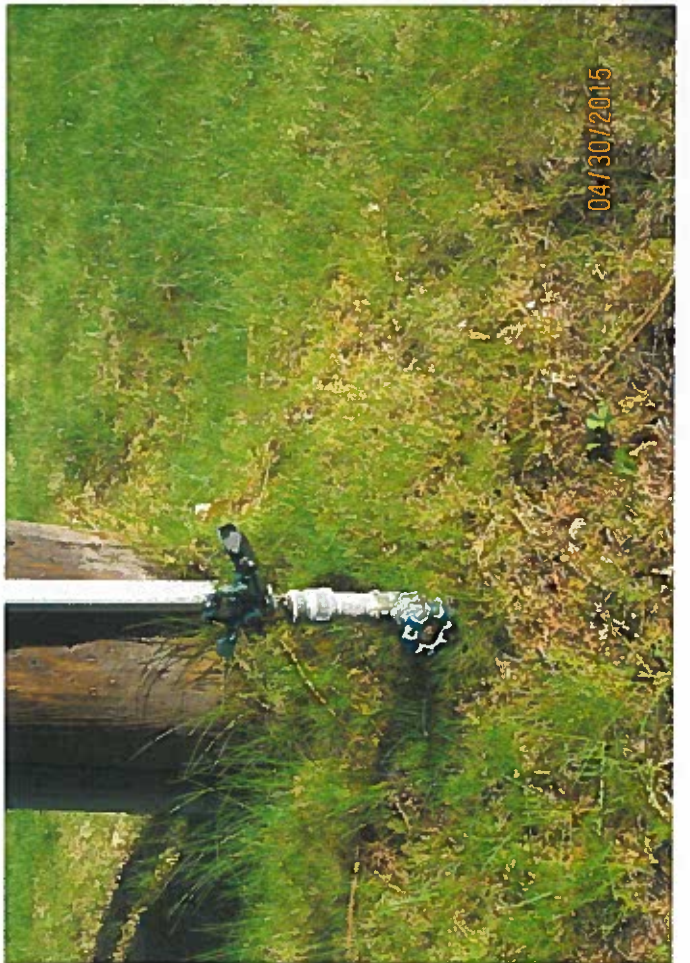
0 0.035 0.07 0.14 Miles

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





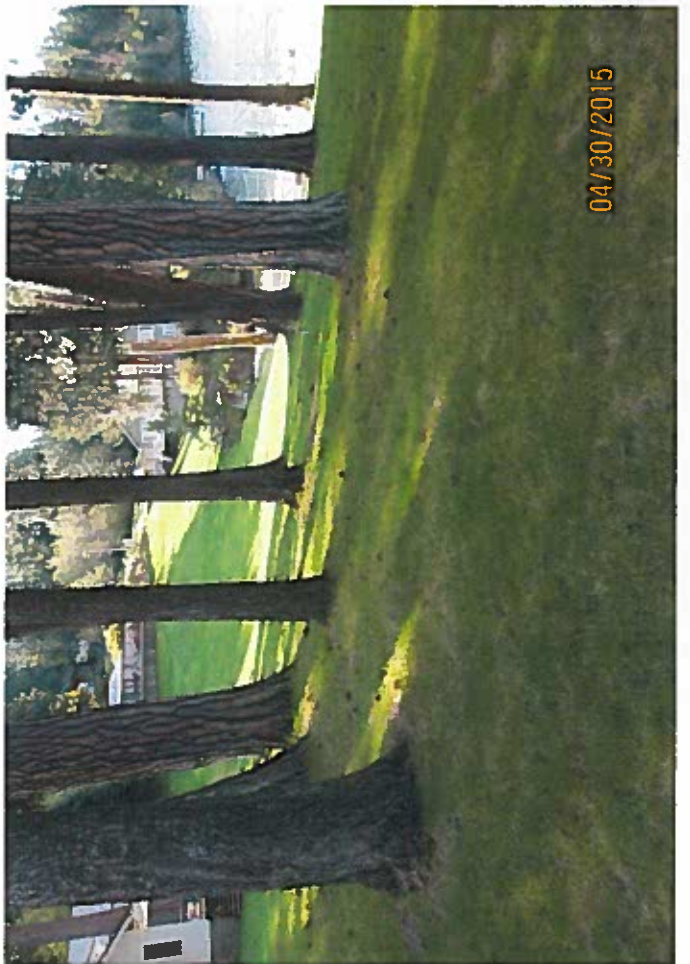
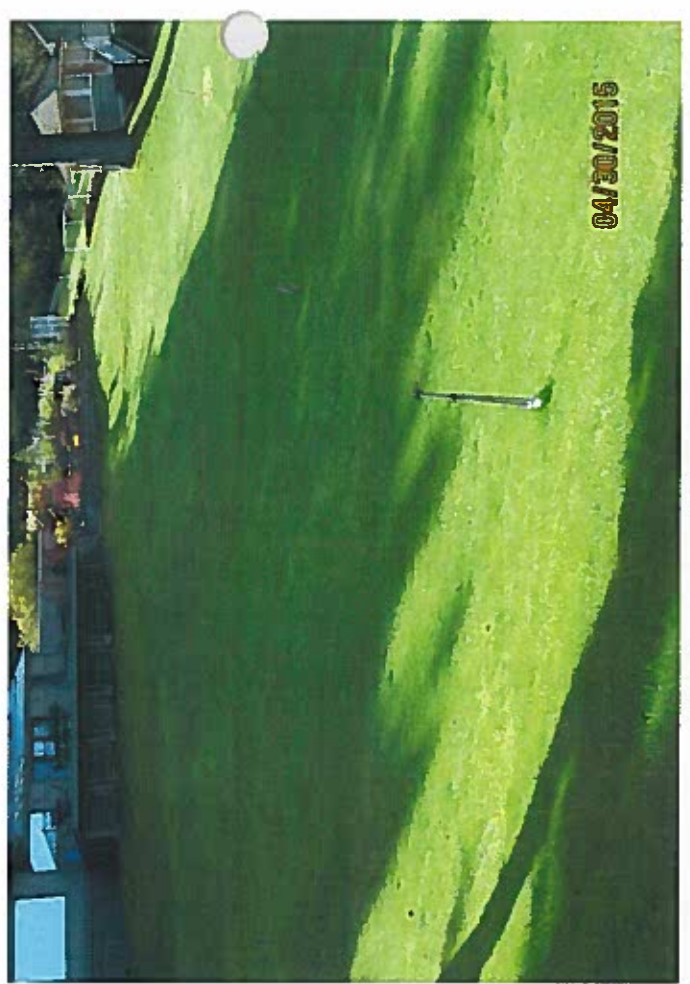
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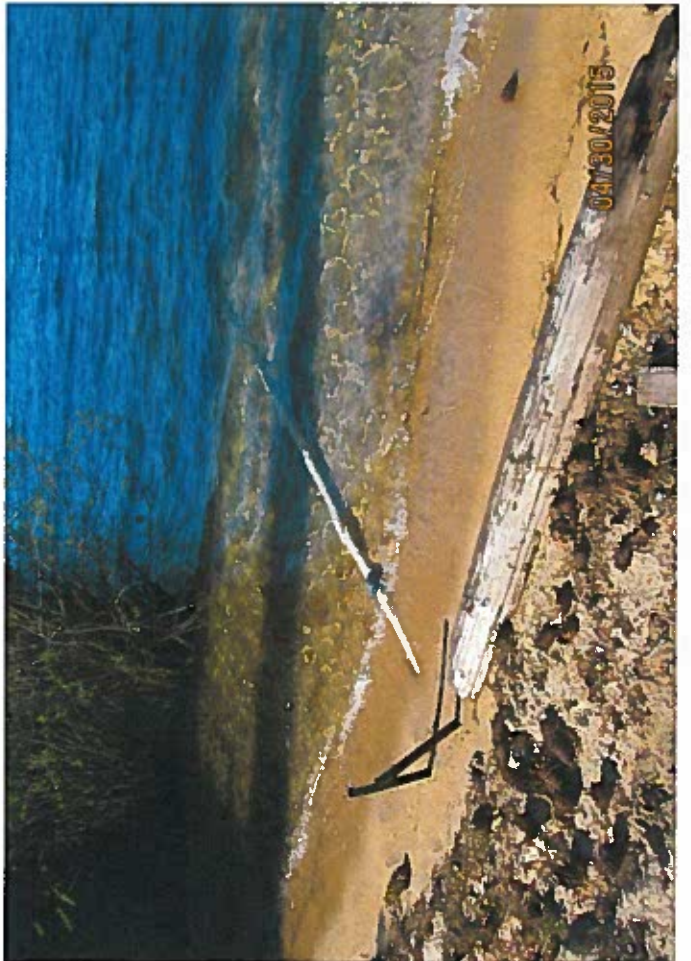
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