

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-13479

Exam Date: 6/1/2016

1. Current Owner:
JOHN C ALDRIDGE 4104 E 25TH AVE SPOKANE WA 99223 (847)922-8250

2. Accompanied by: Applicant gave permission to perform exam without them.

3. SOURCE: HAYDEN LAKE

TRIBUTARY: SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-343
2. Other water rights with the same point-of-diversion: 95-343

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

HAYDEN LAKE L5 (SE¼NE¼) Sec. 10, Twp 51N, Rge 03W, B.M. KOOTENAI County

HAYDEN LAKE L5 (SE¼NE¼) Sec. 10, Twp 51N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 46.831, 116° 41.050

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
51N	03W	10				X L 5													

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	
51N	03W	10				0.4 L 5													.4

Total Acres: 0.4

Method of Determination: GPS and maps.

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.

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Aerial Photo Attached (required for irrigation of 10+ acres).

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Photo of Diversion and System Attached

4.

Well or Diversion ID 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

2. Measurements:

E. FLOW CALCULATIONS

Measured Method: UNABLE TO PERFORM FLOW MEASUREMENT. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r.

Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.4 \text{ AC} \times 3 \text{ AF} = 1.2 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 246 \times 1.9835 = 14.6 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 1.2 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 HOME = 0.6 AF

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED APPLICANT HAD 1 HOME AND 0.4 ACRES OF IRRIGATION. APPLICANT GAVE PERMISSION TO FIELD EXAMINER TO PERFORM EXAM WITHOUT THEIR PRESENCE. UNABLE TO PERFORM FLOW MEASUREMENT WITHOUT APPLICANT PRESENT. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. IDWR WILL ASSUME THE TWO POINTS OF DIVERSION ARE FOR 1 POINT TO BE USED IN HOME AND FILTERED AND 2ND POINT TO BE USED FOR IRRIGATION ONLY. LICENSE WILL BE ISSUED FOR 0.07 CFS WITH ANNUAL VOLUME OF 1.8 AF.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.04 CFS	0.6 AF
IRRIGATION	03/15 to 11/15	0.03 CFS	1.2 AF
	<u>Totals:</u>	0.070 CFS	1.80 AF

2. Recommended Amendments

 Change P.D. as reflected above Add P.D. as reflected above X None

 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATION

Field Examiner's Name Adam Fenduit Date 6-22-2016

Reviewer Morgan Case Date 6/22/2016

State of Idaho
Department of Water Resources
Water Right License
95-13479

DOMESTIC and IRRIGATION

03W

51N



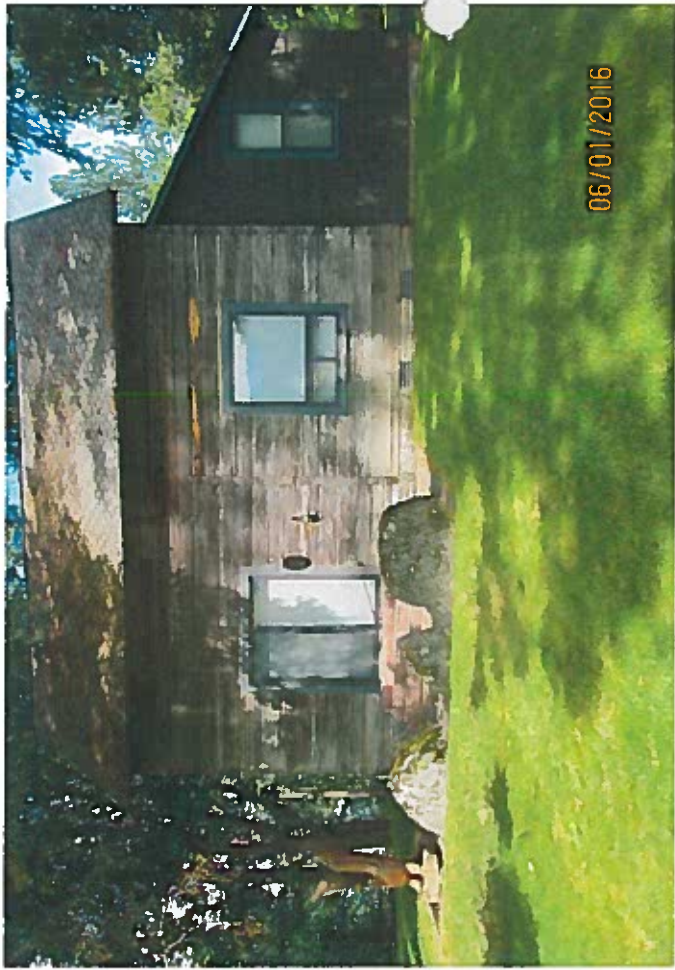
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.035 0.07 0.14 Miles





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