

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-11638

Exam Date: 10/2/2012

1. Current Owner:

NAUTIQUE HOLDINGS INC 450 4935 40TH AVE NW CALGARY AB T3A2N1 (403) 202-3312

2. Accompanied by: Eric Davis, Greg Taylor, Applicant

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 L2 (NW¼NW¼) Sec. 14, Twp 51N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 46.321, 116° 40.642 (A0003203)

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	14						X L 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	
51N	03W	14						1.1 L 2											1.1

Total Acres: 1.1

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.

X

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

X 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
	FLINT & WALLING	2		92F120	

*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

Additional Computation Sheets Attached

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

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.1 \text{ AC} \times 3.0 \text{ AF} = 3.3 \text{ AF}$$

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 3.3 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC FOR 2 HOMES = 0.6 AF X 2 HOMES = 1.2 AF

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM CONDUCTED 9-28-2012 TO VERIFY THAT 2 HOMES WERE BEING SERVED BY SYSTEM. UNABLE TO PERFORM FLOW MEASUREMENT. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. LICENSE WILL BE ISSUED FOR DOMESTIC FOR 2 HOMES WITH THE IRRIGATION OF 1.1 ACRES.

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	0.03 CFS	3.3 AF
DOMESTIC	01/01 to 12/31	0.06 CFS	1.2 AF
	<u>Totals:</u>	0.090 CFS	4.50 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 ☒ None

I. AUTHENTICATION

Field Examiner's Name *E. J. [Signature]* Date 4-12-2016

Reviewer *Aden F. [Signature]* Date 4-12-2016

State of Idaho
Department of Water Resources
Water Right License

95-11638

Irrigation

03W



0 0.035 0.07 0.14 Miles

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



State of Idaho
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Water Right License

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Domestic

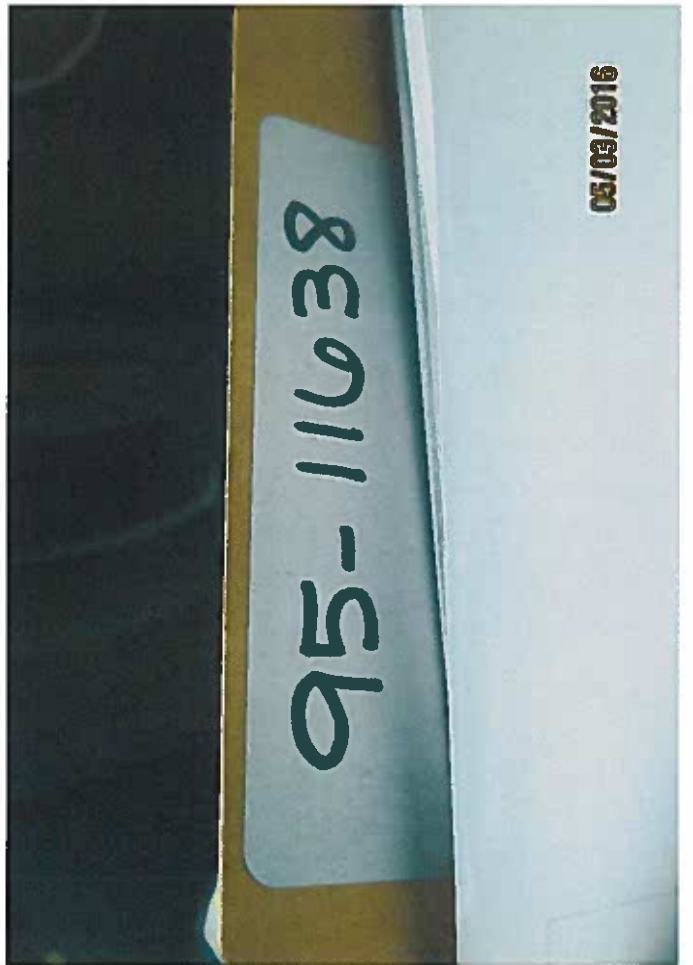
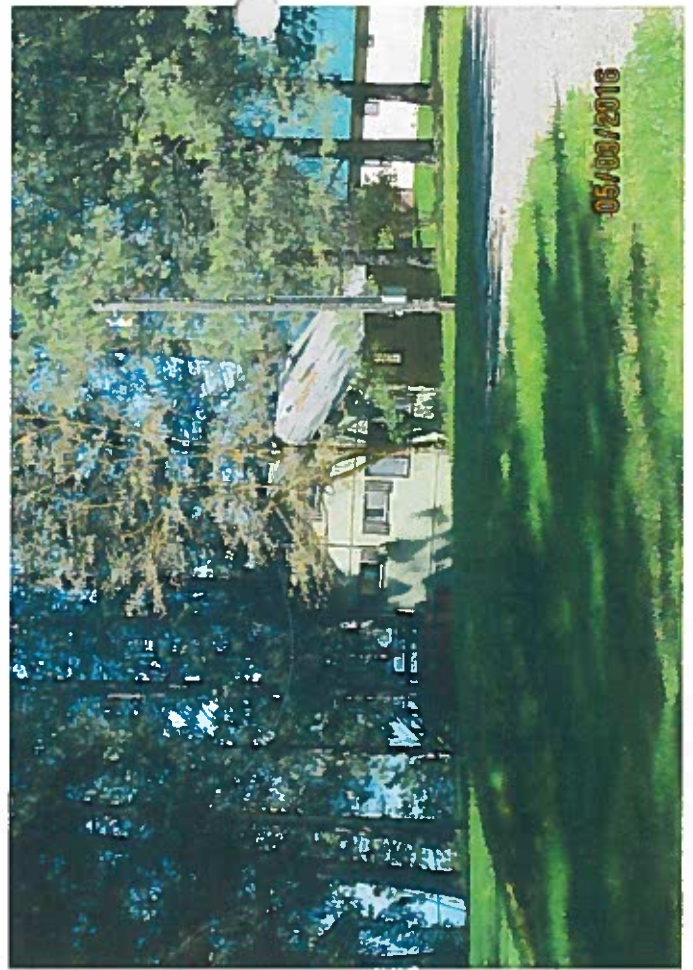
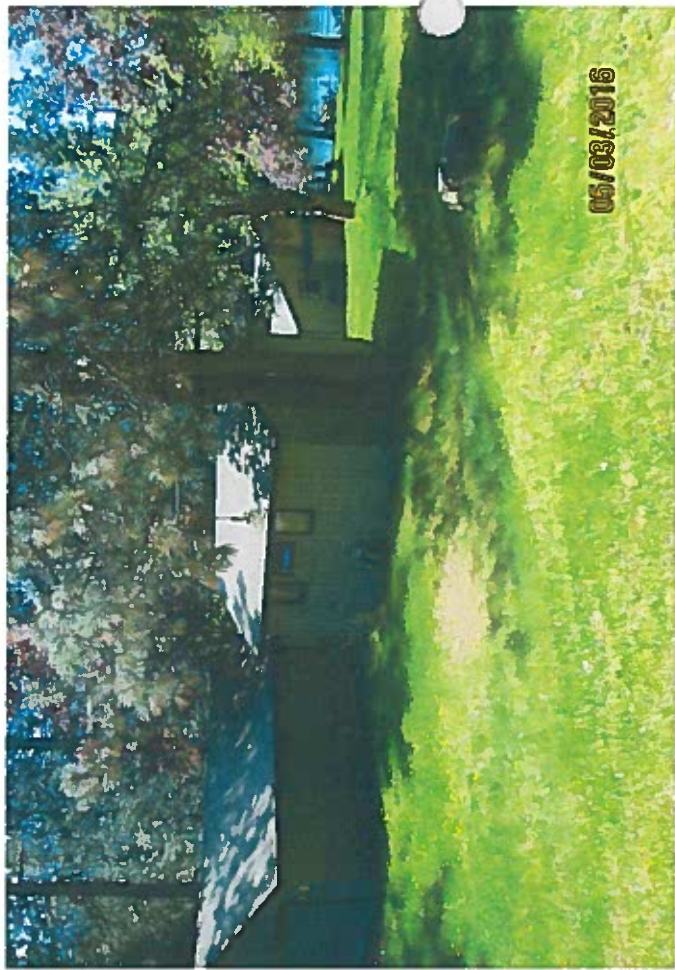
03W



0 0.035 0.07 0.14 Miles

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





95-11638



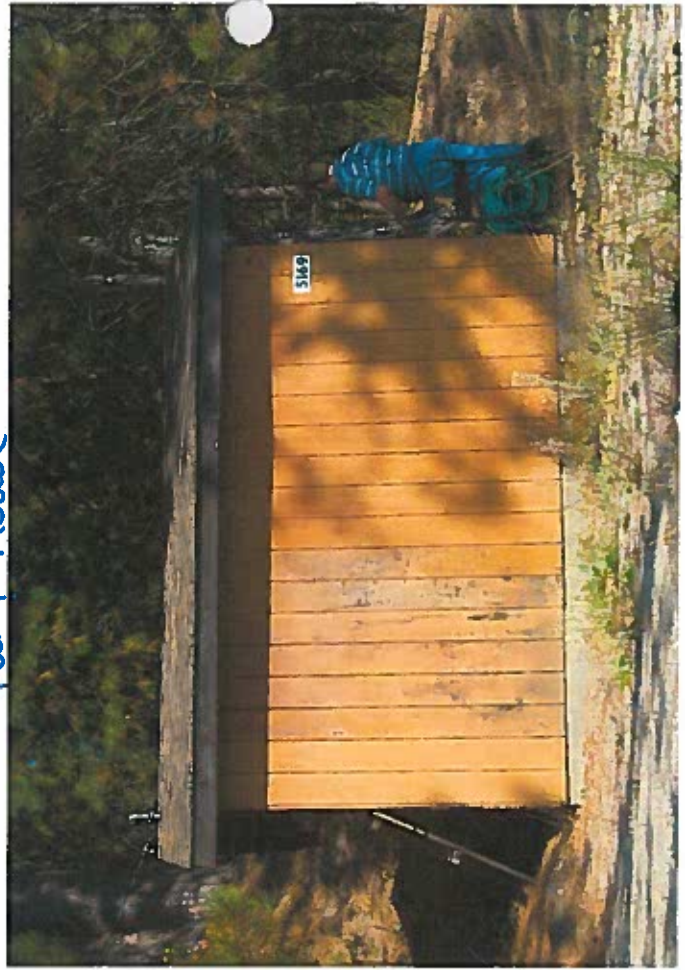
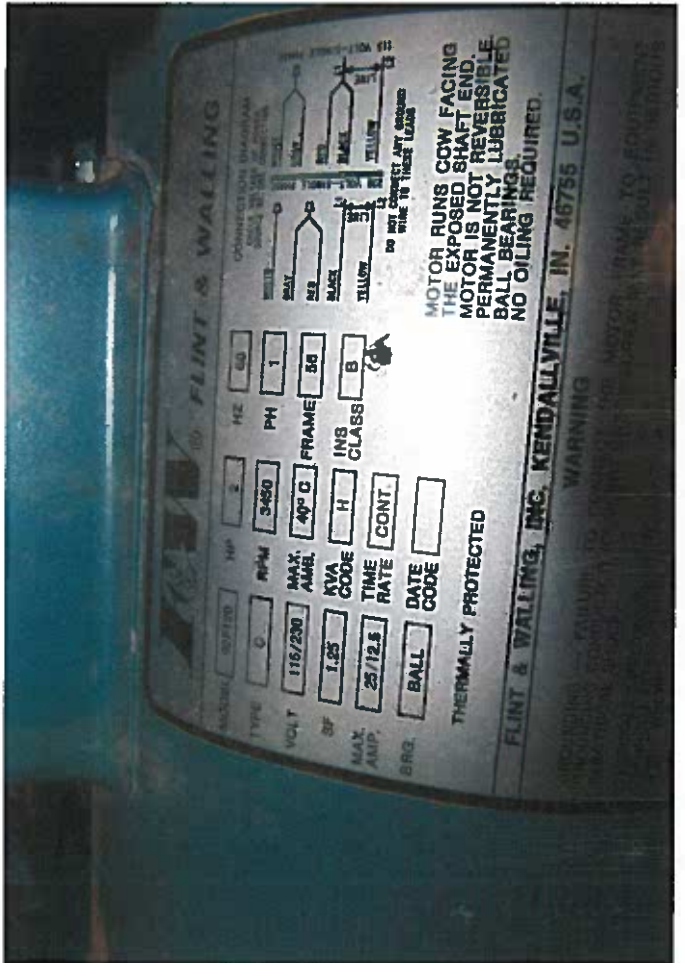
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Systen 2
 Tax. 7688, 7484, 1/2 Lot 4
 Gindie

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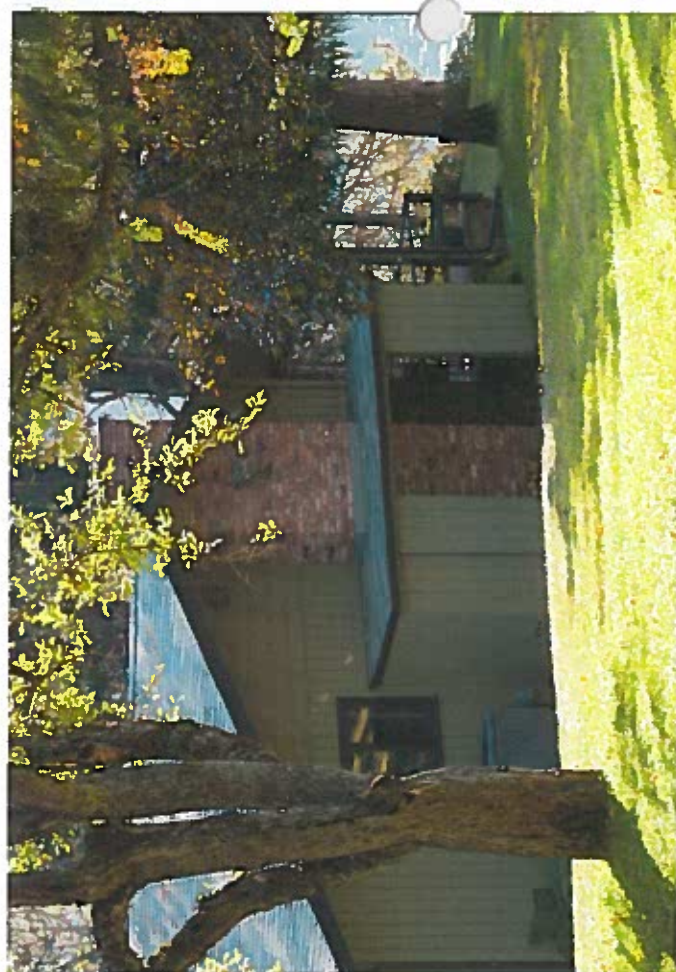


Pump house





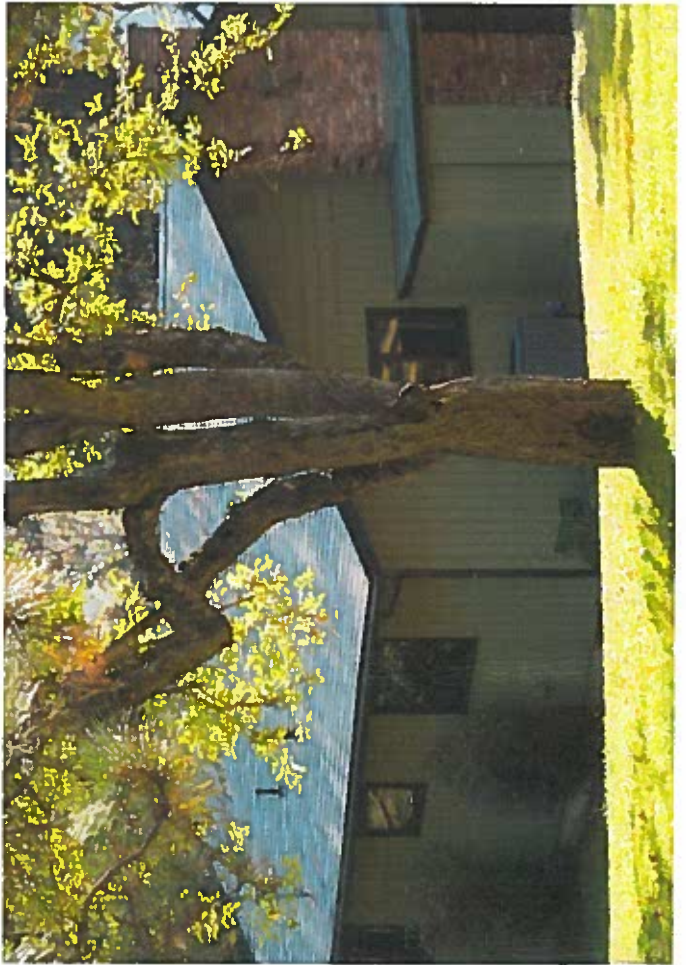
Home 1



Home 2



Home 1



Home 2

9.5-111.28