

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-16816

Exam Date: 12/16/2015

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- a. Irrigation of 5 acres or less
- b. Storage of up to 14.6 AF for stockwater purposes only
- c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. Other < >

2. Current Owner: Name: John T Giesen and/or Helen Talkington
- Owner-of-Record Correct? ☒ Yes ☐ No
- Address-of-Record Correct? ☒ Yes ☐ No
- If No: <Address>

The available Kootenai County taxlot information shows that the property is owned by John T Giesen & Helen M Talkington Revocable Trust.

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: N031650

4. SOURCE

Hayden Lake

Method of Determination: aerial photography.

Change in Source:

TRIBUTARY

Sinks

☐ Yes ☒ No**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: POU is also known as English Point Building Sites lot 12, block B; PIN 0220000B0120

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments:

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

Source	Govt. Lot	¼	¼	¼	Sec.	TWP	RGE		County
Hayden Lake	01		NW	NE	16	51N	03W	B.M.	KOOTENAI

Method of Determination: The legal description in the permit is validated by PLS data and aerial photography.

Change in POD? ☐ Yes ☒ No

Amendment Required? ☐ Yes ☒ No

2. **LOCATION OF PLACE(S) OF USE:** 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	16		D															
				L1															

Method of Determination: The legal description in the permit is validated by PLS data and aerial photography.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

3.

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components.
Indicate weir size/pipe as applicable. The pipe size is unknown.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).☐ Photo of Diversion and System Attached

4. Well or Diversion Identification No.	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
		1			submersible

*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: In-office field exam. No measurements taken**E. FLOW CALCULATIONS**☒ Additional Computation Sheets Attached

Domestic use standard = 0.04 cfs

Permit allowed = 0.04 cfs

License recommended for 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\text{N/A}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\text{N/A}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\text{N/A}}$$

Volume Calculations for Other Uses: N/A

Domestic use standard = 1.2 af

License recommended for 1.2 af

G. PURPOSE OF USEIrrigation ☐ Yes ☒ No # Stock _____Domestic # of Homes 1 home

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA

H. NARRATIVE/REMARKS/COMMENTS

Permit 96-16816 authorizes a 0.04 cfs diversion from Hayden Lake for domestic purposes. Based on the small permitted diversion rates, this permit qualifies for an in-office field exam.

The legal description of the POU was used to locate the property. Available Kootenai County taxlot information indicates that the property is owned by the John T Giesen and Helen M Talkington Revocable Trust.

I created the POU shape based on taxlot information and a review of aerial photography. The POU can be seen more clearly in 2015 Google Earth imagery. The entire lot is less than ½ acre.

This POU (lot 12, block B) may have been developed for 95-0215. A map copied from 95-8729 shows Lots 11 and 12 of block B were linked together at one time. However, the use under 95-0215 has been recommended to the owner of lot 11 (David Bartz).

I created the POD by reselecting the POD in the permit layer. The POD appears to be located outside of the taxlot line which defines the property but it is within government lot 1.

In a brief 12/16/2015 phone conversation, the permit holder stated that a single submersible pump provides water from Hayden Lake for both internal and external domestic use. The permit holder confirmed that the pump was not attached to his boat dock but was at depth below the lake surface.

The permit was conditioned with a requirement for fish screening on the pump. In the proof of beneficial use statement, the permit holder states that fish screening is installed on the pump. Although that can't be confirmed in a desk-top review, the fish screen condition will be dropped from the water right license.

The permit was also conditioned with a notification that the use will be regulated by a watermaster. Water District 95A is not active at this time, so the condition will be dropped from the water right license.

The permit authorized the standard rate for a domestic use. I am recommending the standard rate and volume for the license.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01-12/31	0.04 cfs	1.2 AF
	<u>Totals</u>	0.04 cfs	1.2 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

Other: < >

I. AUTHENTICATION

Field Examiner's Name Michele Edl Date December 16, 2015

Reviewer Camela Skaggs Date 12-17-2015

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 95-16816
 Reviewer: Michele Edl
 Date of Review: 12/16/2015

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	1	1	1
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	10.0	10.0	10.0
DISCHARGE PRESSURE	35	45	55
RATE OF FLOW (cfs)	0.07	0.05	0.04 0.06

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: % 70 efficiency
 No Friction

Examiners Notes:

Horsepower was given by the applicant. Lift was estimated by the applicant and is from the pump location in the lake to the level of the property. Discharge pressure ranges from 35-55 psi to account for expected system in use.



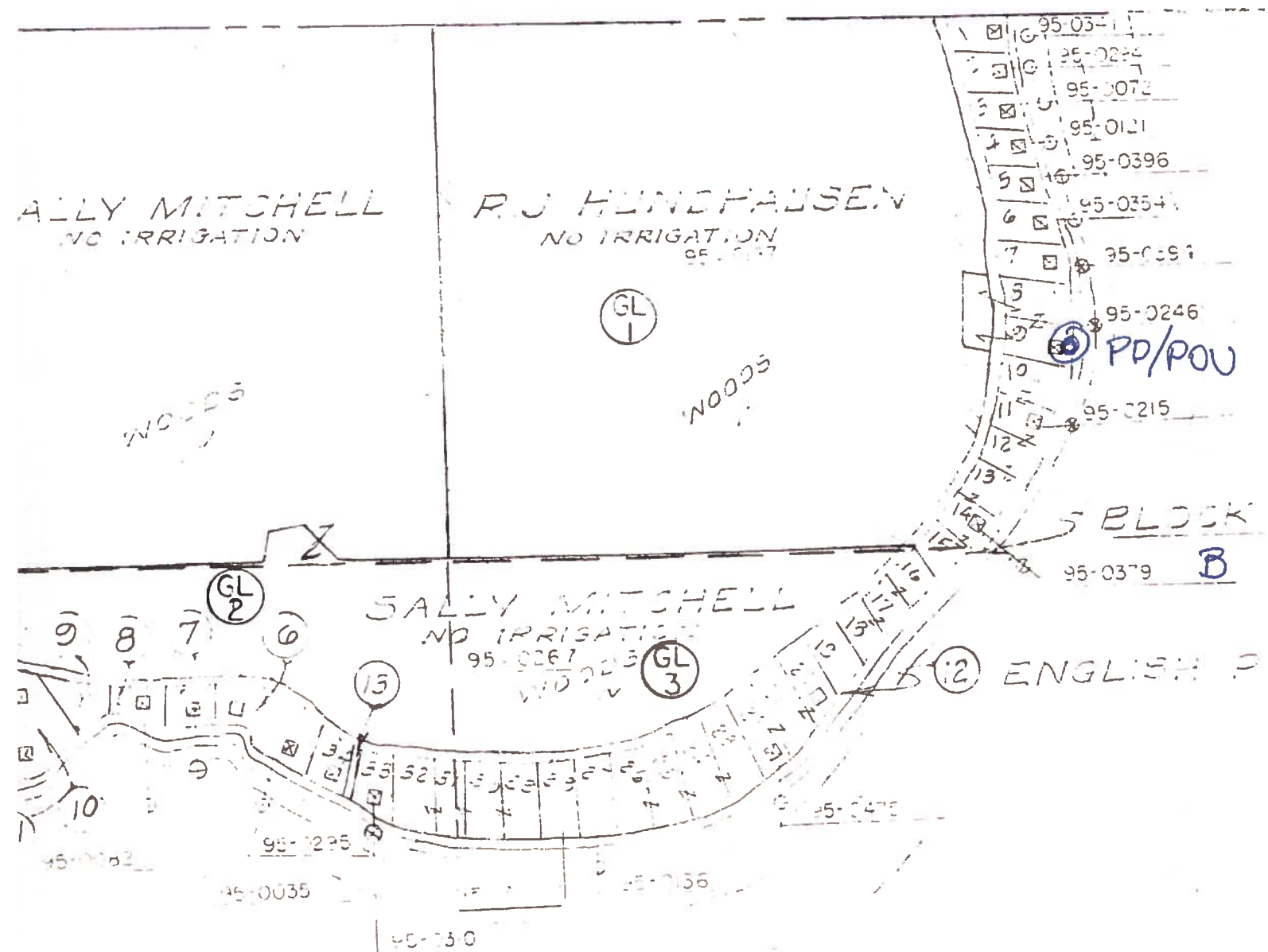
Google earth



Beneficial Use Report 95-16816

Imagery date 8/26/2014

T51N R3W S16



copied from 95-8729 for reference to Beneficial Use Report 95-16816

Microfilm
MAR 06 1992

Beneficial Use Proof Evaluation

Permit Number: 95-16816 Reviewer: dblock Review Date: 12/9/2015

Acceptability

- 1) Is the contact on the request the current permit holder? Yes
- 2) Does the address of record need to be updated? No
- 3) Proof Submitted Date: 12/4/2015
- 4) Proof Due Date: 11/1/2015
- 5) Days added for weekend due date? 1
- 6) Days added for holiday due date?
- 7) Number of days late: 32
- 8) Proof received timely? No

Analysis

- 1) Are the water uses correct? Yes
- 2) Is a measuring device required? No
- 3) Is a measuring device installed? No
- 4) Is a measuring device waiver requested?
- 5) Drilling Permit Number:
- 6) Is a drilling permit upgrade needed?
- 7) Was a well drillers report filed?
- 8) Is proof accepted? Yes

Fees

- 1) Is a licensing exam fee required? Yes
- 2) Was proof submitted with an exam report from a CWE? No
- 3) Filing fee due: \$50.00
- 4) Filing fee submitted: \$50.00
- 5) Remaining fee or (refund): \$0.00

Receipt IDs

N030848, N031650

Comments

Proof deemed acceptable. Proof received 32 days late. Reinstate permit and advance priority date 32 days to August 31, 2014. Gave file to water right agent for in-house license review. Water right agent will enter the proof made date in AdHoc at the time of licensing.