

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

A. GENERAL INFORMATIONExam Date: 12/13/2024

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - X Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >
2. Current Owner: Ron and Michelle Jewett
Owner of Record Correct? X Y N
Address of Record Correct? X Y N
If No Explain:
3. Beneficial Use Fees have been paid: X Y N Receipt No: N045104
4. Source: Hayden Lake Tributary: Sinks

Method of Determination: GIS, Idaho Tax Parcel Data, and the Permit Holders Statement of Completion for Proof of Beneficial Use (Proof Statement).

Change in Source: Y X N

B. OVERLAP REVIEW

1. Other water rights with the same place of use: X No Overlap

Water Right No.	Source	Purpose of Use	Basis
95-222	Hayden Lake	Domestic	Decreed

Comments: The legal description of water right (WR) 95-222 overlaps the permitted place of use (POU). However, according to Idaho Tax Parcel Data present in the conditions of 95-222 there isn't any overlap with this permit.

2. Other water rights with the same point of diversion: X No Overlap

Water Right No.	Source	Purpose of Use	Basis
N/A			

Comments: There are no points of diversion (POD) overlapping this permit.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Hayden Lake	7		NW	SW	22	51N	03W	B.M.	Kootenai

Method of Determination: GIS and Idaho Tax Parcel Data The NWSW Quarter/Quarter Gov lot 7 encompasses all land, including the location of the POD, within the Gov lot up to the water and does not exclude where the projected Quarter/Quarter lines are on the map.

Change in POD? Y X N Amendment Required? Y X

2. Place of Use: Domestic

TWP	RGE	Sec	NE				NW				SW				SE			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE
51N	03W	22										D						
		Lot #										7						

Method of Determination: GIS, Idaho Tax Parcel Data, and 2023 Google Earth Imagery. The NWSW Quarter/Quarter Gov lot 7 encompasses all land within the Gov lot up to the water and does not exclude where the projected Quarter/Quarter lines are on the map.

Change in POU? Y X N Amendment Required? Y X N

3. Diversion System Information:

 Delivery System Diagram Attached. (mark all major components and distances between components)

 X Aerial Photo indicating the location of the recommended POD and POU.

 X Aerial Photo Attached (required)

 Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A					

*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
N/A						

2. Measurement Comments: The permit provided a pump horsepower of 3 and a lift of 85 ft was determined using Google Earth. Therefore, a theoretical diversion rate calculation is possible.

E. FLOW CALCULATIONS

 X Additional Computation Sheets Attached

Measured Method: Since the permit holder provided a pump horsepower of 3 and a lift of 85 ft was determined using Google Earth a theoretical diversion rate calculation was possible. According to the calculation the system can handle 0.11 cfs on average over three possible pressures against the pump, 30, 40, and 50 psi. The permit authorized domestic use for two homes. 2023 Aerial Imagery and the permit holder's Proof Statement confirmed only one home was developed. I recommend domestic use for only one home be licensed. According to Administrative Application Processing Memo #22 the standard diversion rate for a single-family home is 0.04 cfs. I am recommending a 0.04 cfs diversion rate.

Theoretical Diversion Rate Calculation = 0.11 cfs

Administrative Application Processing Memo # 22 = 0.04 cfs

Permit allowed = 0.06 cfs

Total Recommendation: 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

V = (Acres Irrigated) x (Irrigation Requirement) = No Separate Irrigation use Authorized on Permit
I.R.

V = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = See Above
D.R.

V = Smaller of V and V = See Above
I.R. D.R.

2. Volume Calculations for Other Uses: According to Administrative Application Processing Memo #22 the standard diversion volume for a single domestic use is 0.6 af for in-house use and 0.6 af for up to ½ an acre of yard irrigation or 1.2 af total. I am recommending a 1.2 af diversion volume.

G. PURPOSE OF USEIrrigation X Y N # Stock N/A Domestic # of Homes 1Change in Purpose of Use? Y X NMethod of Determination: GIS, Idaho Tax Parcel Data, 2023 Google Earth Imagery, and the permit holders Proof Statement.**H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-office examination. According to Idaho Tax Parcel Data the property was developed in 2020. The permit authorizes domestic use for two homes including in-house use and up to ½ an acre of yard irrigation per lot. According to 2023 Aerial and Google Earth Imagery and confirmation from the permit holder on their Proof Statement only one home and up to ½ an acre of yard irrigation was developed. Therefore, I recommend domestic use for only one home be licensed. The Idaho Tax Parcel boundary and visual property boundary were inconsistent. However, since this permit authorizes domestic use and the POU boundary equivalent to the tax parcel boundary I don't recommend the POU boundary change from the permit. A condition on the permit requires the permit holder to install and maintain a fish screen with a perforation size of a ¼ in or smaller. The permit holder confirmed a fish screen with perforations of 1/8 in was installed. The standards set in Administrative Application Processing Memo #22 were used to determine a recommended diversion rate and volume. All of the conditions have been met and development of beneficial use was confirmed within authorization on the permit.

Conditions X15, X16, and 004 should remain on the license unchanged. Condition 187 should be updated to limit irrigation to not exceed ½ an acre, not per lot since only one home was developed. Condition X04 should be changed to X01 because only one home was developed. ~~Condition R05 should be removed because Water District 95A is no longer active.~~ Condition 26A should be removed as standard with licensing

Have conditions of permit approval been met? X 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 X None Change P.U. as reflected above Add P.U. as reflected above X None**J. AUTHENTICATION**Field Examiner: **Skyler Cheever – Water Resource Agent, Sr – State Office**Field Examiner's  Date 8/19/2025Reviewer  Date 8/20/25

Field Exam Map

Map showing the authorized point of diversion (yellow point) and place of use (orange outline).



2023 Google Earth Imagery



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 95-17891
 Examiner: Skyler C.
 Date of Field Exam: 12/13/2024

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	3	3	3	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	85	85	85	
DISCHARGE PRESSURE	50	40	30	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.09	0.10	0.12	AVE
(gpm)	41.4	46.8	53.8	0.11

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.

Examiners Notes:

Lift determined using Google Earth. Hp provided by permit holder with their Statement of Completion for Proof of Beneficial Use.