

3. Diversion System Information

Diversion System Description: The system consists of a shared well drilled in 2023 located on a neighboring property. The permit holder indicated on their application for permit they obtained a shared well agreement with their neighbor. The well contains a 1 HP submersible pump and is diverted to a 3000 gal holding tank. An additional 1 HP pump moves water via a 1 ½ line from the holding tank to the home.

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

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

☒ 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 holder provided a pump horsepower of 1. However, a well report is not available, and a lift could not be determined. Therefore, a diversion rate calculation is not possible.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: Since the permit holder did provide a pump horsepower but lift could not be determined a diversion rate calculation was not possible. According to Administrative Application Processing Memo #22 the standard diversion rate for a single-family home is 0.04 cfs. The permit authorized 0.04 cfs. I am recommending a 0.04 cfs diversion rate.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{No Separate Irrigation use Authorized on the Permit.}$
I.R.

$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{See Above}$
D.R.

$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = \text{See Above}$

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 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 USE

Irrigation ☒ Y ☐ N # Stock N/A Domestic # of Homes 1

Change in Purpose of Use? ☐ Y ☒ X ☐ N

Method of Determination: GIS, Idaho Tax Parcel Data, 2024 Google Earth Aerial 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 2024. The permit authorizes domestic use for one home including in-house use and up to ½ an acre of yard irrigation. The point of diversion located on property not owned by the permit holder according to Idaho Tax Parcel Data. The permit holder explained on their application for permit they obtained a shared well agreement with their neighbor. The neighbors have an active water permit, 95-18527, diverting from the same POD according to Department Records. Any overlap concerns will be addressed when 95-18527 is reviewed for licensing. According to 2024 Google Earth Aerial Imagery a home and up to ½ an acre of irrigation was developed. The diversion system consists of a well drilled in 2023 diverted to a 3000-gallon holding tank. Water is then pumped from the tank via another 1 HP pump and 1 ½ in line to the home. The standards set in Administrative Application Processing Memo #22 aided in determining a diversion rate and volume recommendation. All of the conditions have been met and development of beneficial use was confirmed within authorization on the permit. Therefore, I am recommending a 0.04 cfs diversion rate and 1.2 af diversion volume.

Conditions F06, X01, 187, and 004 should remain on the license. Condition 046 should be removed because the permit holders had a well drilled meeting the drilling permit requirements of Idaho Code §42-235 and applicable Well Construction Rules of the Department.

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 ☒ None

J. AUTHENTICATION

Field Examiner: Skyler Cheever – Water Resource Agent, Sr – State Office

Field Examiner's  Date 12/19/2024

Reviewer  Date 8/17/25

Field Exam Map

Map (2023 NAIP Aerial Imagery) showing the authorized point of diversion (yellow point) and place of use (orange outline).



2024 Google Earth Aerial Imagery

