

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

A. GENERAL INFORMATIONExam Date: 1/10/20241. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N

- a. X 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: Philip and Jeanette Munter

Owner of Record Correct? NAddress of Record Correct? N

If No Explain: N/A

3. Beneficial Use Fees have been paid: X Y N Receipt No: N044249

4. Source: Tributary:

Groundwater N/A

Method of Determination: GIS and the permit holders Statement of Completion for Proof of Beneficial Use.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
N/A			

Comments: N/A

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

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

Comments: N/A

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater	2		NE	SW	29	56N	05W	B.M.	Bonner
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Parcel Data.Change in POD? Y X N Amendment Required? Y X N

2. Place of Use: Irrigation, 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	
56N	05W	29									0.4, D				0.5, D				0.9
		Lot #									2								
Total Acres =																			0.9

Method of Determination: GIS, Tax Parcel Data, and 2023 Bonner County Aerial Imagery.Change in POU? Y X N Amendment Required? Y X NDelivery System Diagram Attached (required). Indicate all major components and distances between components.

Indicate weir size/pipe as applicable:

X Aerial Photo Attached (required for irrigation of 10+ acres).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 did not provide a pump horsepower. Therefore, a diversion rate calculation is not possible.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: Since the permit holder did not provide a pump horsepower a diversion rate calculation was not possible. According to Administrative Processing Memo #22 the standard diversion rate for a single-family home is 0.04 cfs. According to Administrative Processing Memo #17 the standard diversion rate per acre for the irrigation of 5 acres or less is 0.03 cfs per acre, 0.9 acres * 0.03 cfs/ acre = 0.027 cfs or 0.03 cfs rounded. The permit authorized 0.03 cfs for irrigation and 0.04 cfs for domestic use or 0.07 cfs total. I am recommending a 0.07 cfs total diversion rate.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (0.9 \text{ acres}) \times (3 \text{ af/acre}) = 2.7 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.03 \text{ cfs}) \times (240 \text{ days}) \times (1.9835 \text{ af/day}) = 12.7 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.7 \text{ af}$$

2. Volume Calculations for Other Uses: According to Administrative Processing Memo #22 the standard diversion volume for a single domestic use normally includes 0.6 af for in house use and 0.6 for up to 1/2 an acre of yard irrigation. However, irrigation was separated from in-house use because irrigation is more than 1/2 acre. The diversion volume for irrigation was calculated separately. I am recommending a 0.6 af diversion volume for in-house domestic use or 3.3 af total.

G. PURPOSE OF USEIrrigation X Y N # Stock N/A Domestic # of Homes 1Change in Purpose of Use? Y X NMethod of Determination: GIS, Tax Parcel Data, and 2023 Bonner County Aerial Imagery.**H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-office examination. According to Tax Parcel Data the property was developed in 2017. The permit authorized in-house domestic use and the irrigation of 1 acre. After reviewing 2023 Bonner County Aerial Imagery it was confirmed 0.9 acres of irrigation and in-house use occurred during the development period. The Tax Parcel boundary and visual property boundary were inconsistent. I recommend the place of use for irrigation and domestic use be based on the visual property boundary. Since the permit holder did not provide a pump horsepower a diversion rate calculation was not possible. The standards set in Administrative Processing Memo #'s 22 and 17 were used to determine a recommended diversion rate and volume. All of the conditions of approval have been met and development of beneficial use within authorization on the permit was confirmed. Therefore, I am recommending a 0.07 cfs diversion rate and 3.3 af diversion volume.

Conditions X59, X60, and 132 should remain on the license. Condition R66 should be changed to X31 because irrigation was determined to be less than 1 acre. Condition 046 should be removed because the permit holder complied with all of the drilling permit requirements of Idaho Code §42-235 and applicable Well Construction Rules of the Department. Condition 004 should be removed because it was confirmed there are no legal access concerns to the point of diversion or place of use. All other conditions 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>
Irrigation	04/01-10/31	0.03 CFS	2.7 AF
Domestic	01/01-12/31	0.04 CFS	0.6 AF
	<u>Totals:</u>	0.07 CFS	3.3 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's  Date 1/10/2024Reviewer  Date 2/20/24

Field Exam Map

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



2023 Bonner County Aerial Imagery

Imagery determined in house use and 0.9 acres of irrigation occurred within the development period.

96-13683 Irrigation Map

