

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

A. GENERAL INFORMATION

Exam Date: 3/8/2024

1. 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: Bruce Moline
 Owner of Record Correct? _____ N
 Address of Record Correct? _____ N
 If No Explain: N/A

3. Beneficial Use Fees have been paid: X Y N Receipt No: C117855

4. Source: Pend Oreille River

Tributary: Columbia River

Method of Determination: GIS, Tax Parcel Data, 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: _____ No Overlap

Water Right No.	Source	Purpose of Use	Basis
96-2204	Pend Oreille River	Irrigation	License
96-7616	Pend Oreille River	Industrial	License

Comments: Water rights 96-2204 and 96-7616 overlap the proposed place of use according to GIS data. However, after investigating the water right backfile of 96-2204 it was determined it does not overlap. 96-7616 authorizes a different beneficial use. Therefore, a combined limit condition is not necessary.

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:

[illegible]

Method of Determination: GIS and Tax Parcel Data and a diagram provided by the permit holder with their Statement of Completion for Proof of Beneficial Use.

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

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	
56N	03W	31					0.2			0.1									0.3
		Lot #					2			2									
Total Acres =																			0.3

Method of Determination: GIS, Tax Parcel Data, and 2023 Bonner County Aerial Imagery.Change in POU? Y X N Amendment Required? Y X N Delivery 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 provided pump lift and gpm but 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 #17 the standard diversion rate/acre for the irrigation of 5 acres or less is 0.03 cfs per acre. The permit authorized 0.03 cfs. I am recommending a 0.01 cfs diversion rate.

(0.3 acres) * (0.03 cfs/acre) = 0.009 cfs or 0.01 cfs rounded.

Administrative Memo Calculation = 0.01 cfs

Permit allowed = 0.03 cfs

2. Volume Calculations for Other Uses: The permit authorized diversion from a natural flowing stream/river. According to the IDAPA Beneficial Use Examination Rules 37.03.02.035, 01j.viii if a permit authorized diversion from a natural flowing stream/river or spring a diversion volume is not required at licensing.

G. PURPOSE OF USEIrrigation X Y N # Stock N/A Domestic # of Homes N/A Change in Purpose of Use? Y X NMethod of Determination: GIS, Tax Parcel Data, 2023 Bonner County Aerial Imagery and the permit holders Statement of Completion for Proof of Beneficial Use.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-office examination. According to Tax Parcel Data the property was developed in 2019. The permit authorized the irrigation of 0.8 acres diverting from the Pend Oreille River. According to 2023 Bonner County Aerial Imagery and a diagram provided with the permit holders Proof Statement 0.3 acres of irrigation occurred within the development period. The Tax Parcel boundary and visual property boundary were inconsistent. The visual property boundary was used to determine the irrigated place of use. Condition 029 on the permit requires the installation of a fish screen meeting the fish screening a passage requirements of the Idaho Department of Fish and Game. The permit holder did not mark a fish screen was installed on their Proof Statement. However, in their system description they indicated a strainer was installed on the intake hose. Therefore, a screening device was installed and would likely meet the condition.

Since the permit holder did not provide a pump horsepower a diversion rate calculation was not possible. The standards set in Administrative Processing Memo # 17 were used to make a diversion rate recommendation. According to the IDAPA Beneficial Use Examination Rules 37.03.02.035. 01j.viii a diversion volume is not required at licensing if diversion from a natural flowing stream/river or spring is authorized on the permit. All of the conditions have been met and development of beneficial use was confirmed within authorization on the permit. Therefore, I am recommending a 0.01 cfs diversion rate.

Conditions X60, X31, and 004 should remain on the license. Condition X31 should be updated to match the recommended diversion rate on the license. Condition 029 should be removed because the permit holder confirmed a fish screen was installed meeting the fish screening a passage requirements of the Idaho Department of Fish and Game.

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>
Irrigation	04/01-10/31	0.01 CFS
<u>Totals:</u>		0.01 CFS

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**

Field Examiner's  Date 3/18/2024

Reviewer  Date 4/16/24

Field Exam Map

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



2023 Bonner County Aerial Imagery

Imagery and a diagram provided with the permit confirmed 0.3 acres of irrigation occurred within the development period.

96-14534 Irrigation Map



3/8/2024

Road Centerlines

- Primary
- Secondary
- Local; Ramp

Parcels

- World Boundaries and Places
- World Imagery
- Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations

30cm Resolution Metadata

1:1,079

0 0.0075 0.015 0.03 mi
0 0.01 0.02 0.04 km



Esri, HERE, Garmin, (c) OpenStreetMap