

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

A. GENERAL INFORMATIONExam Date: 7/29/2024

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: Pend Oreille Trust

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No Explain:

3. Beneficial Use Fees have been paid: Y N Receipt No: C118566

4. Source: Lake Pend Oreille Tributary: Pend Oreille 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
96-7011	Lake Pend Oreille	Domestic	License
96-8953	Lake Pend Oreille	Municipal	License

Comments: Water rights 96-7011 and 96-8953 overlap the proposed place of use. However, since they authorize different beneficial uses there is no reason to limit this permit with either water rights.

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
Lake Pend Oreille	1		NW	NE	8	57N	01W	B.M.	Bonner

Method of Determination: GIS and Tax Parcel Data.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	
57N	01W	8		0.3															0.3
		Lot #		1															
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

3. Diversion System Information:

Y 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)Y 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

Y 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 Application Processing Memo #17 the standard diversion rate/acre for the irrigation of 5 acres or less is 0.03 cfs/acre. 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 Application Processing Memo #17 Calculation = 0.01 cfs

Permit allowed = 0.03 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (0.3 \text{ acres}) \times (3.0 \text{ af/acre}) = 0.9 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.01 \text{ cfs}) \times (214 \text{ days}) \times (1.9835 \text{ af/day}) = 4.2 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.9 \text{ af}$$

G. PURPOSE OF USE

Irrigation X Y N # Stock N/A Domestic # of Homes N/AChange 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 1998. The permit authorizes the irrigation of 0.8 acres. According to 2023 Bonner County Aerial Imagery 0.3 acres of irrigation occurred within the authorized place of use. The Tax Parcel Boundary and visual property boundary were not consistent. Some of the confirmed irrigation falls outside the Tax Parcel Boundary. This is because the visual property boundary was used to determine the full irrigated extent. A condition on the permit requires the permit holder to install a fish screen meeting the fish screening and passage requirements of the Idaho Department of Fish and Game. The permit holder confirmed they installed a fish screen on their Statement of Completion for Proof of Beneficial Use. Since the permit holder did not provide a pump horsepower a diversion rate calculation was not possible. The standards set in Administrative Application Processing Memo #17 was used to make a diversion rate recommendation. All of the conditions have been met and development of beneficial use was confirmed within authorization on the permit. Therefore, I recommend a 0.01 cfs diversion rate and 0.9 af diversion volume.

Conditions X31 and 004 should remain on the license. The diversion rate and volume limitation in condition X31 should be updated to match the recommended diversion rate and volume. Condition 029 should be removed because the permit holder confirmed they installed a fish screen meeting the fish screening and 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>	<u>ANNUAL VOLUME</u>
Irrigation	04/01-10/31	0.01 CFS	0.9 AF
<u>Totals:</u>		0.01 CFS	0.9 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

Field Examiner's  Date 8/15/2025

Reviewer  Date 8/18/25

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 confirmed 0.3 acres of irrigation occurred within the development period.

96-11607 Irrigation Map



Bonner County provides the data "as is" with no claim as to its accuracy.

Legend

Road Centerlines

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

