

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

A. GENERAL INFORMATION

Exam Date: 4/16/2025

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? ☒ X ☐ Y ☐ N
- ☒ X Irrigation of 5 acres or less
 - ☐ Storage of up to 14.6 AF for stockwater purposes only
 - ☐ Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - ☐ Other < >

2. Current Owner: Frank & Heidi Duffy

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

If No Explain:

3. Beneficial Use Fees have been paid: ☒ X ☐ Y ☐ N Receipt No: C118987.

4. Source: Tributary:
LAKE PEND OREILLE PEND OREILLE RIVER

Method of Determination: GIS ArcMap Tools, Aerial Imagery, and Taxlot Data.

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
96-4270	Lake Pend Oreille	Irrigation	Statutory Claim
96-4274	Lake Pend Oreille	Irrigation	Statutory Claim
96-7978	Pend Oreille River	Irrigation	License
96-8506	Ground Water	Domestic	License

Comments: These water rights are all for different properties.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: None

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		SE	SE	35	57N	02W	B.M.	Bonner

Method of Determination: GIS and Taxlot 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	02W	35																1.3	
		Lot #																L1	
Total Acres =																		1.3	

Method of Determination: GIS, Tax Parcel Data, and 2023 Bonner County Aerial Imagery.

Change in POU? ☐ Y ☒ N Amendment Required? ☐ Y ☒ N

3. Diversion System Information:

Description:

☐ Delivery System Diagram Attached. (mark all major components and distances between components)☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required).☒ 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	N/A	N/A	N/A	N/A	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	N/A	N/A	N/A	N/A	N/A	N/A

2. Measurement Comments:

No measurement is required for an in-office examination per IDAPA 37.03.02.035.01.r.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: (acres irrigated) x (generic diversion rate) = (1.3 acres) x (0.03 cfs/acre) = 0.039 cfs, which rounds to 0.04 cfs.

Comments:

No measurement is required for an in-office examination per IDAPA 37.03.02.035.01.r.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.3 \text{ acres} \times 3 \text{ acre feet} = 3.9 \text{ acre feet.}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \text{ cfs} \times 213 \text{ days} \times 1.9835 = 16.9 \text{ acre feet.}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.9 \text{ acre feet.}$$

2. Volume Calculations for Other Uses:

Comments:

G. PURPOSE OF USEIrrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes _____

Other: < >

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: GIS, Tax Parcel Data, 2023 Bonner County Aerial Imagery, and the permit holders Statement of Completion for Proof of Beneficial Use.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-office exam because it is for irrigation of 5 acres or less. The exam was conducted on April 16, 2025, by Jared Klay. At the time of the exam, ownership of the permit is in the name of Frank & Heidi Duffy. Current Bonner County taxlot data represents the permit holders own the land appurtenant to the place of use (POU) and point of Diversion (POD). Proof of Beneficial Use was submitted on September 30, 2024.

The place of use was described as 1.5 acres on both the application and the permit. However, after further review using Bonner County aerial imagery, Google Earth imagery, and GIS data, the place of use was actually measured to be 1.3 acres. Thus, I am recommending 1.3 acres for the place of use and 0.04 CFS for the diversion rate. I am subsequently recommending an annual volume of 3.9 AF.

All the conditions of this permit have been met. The permit holders indicated they installed a fish screen so condition 029 can be considered satisfied and can be dropped as per the condition usage description. Condition 004 will be dropped because there are no property concerns. Condition R66 should be carried forward to the license.

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	0.04 CFS	3.9 AF
<u>Totals:</u>		0.04 CFS	3.9 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

Other: < >

J. AUTHENTICATION – Jared KlayField Examiner's Jared Klay Date 5/30/2025Reviewer PH Date 6/6/25

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



Bonner County Aerial Imagery



Google Earth imagery (dated 7/2024).



Photos provided by the permit holders







