

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

A. GENERAL INFORMATION

Exam Date: 5/6/2025

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. X Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. Other < >

2. Current Owner: Warren Trust

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: N045369.

4. Source: COCOLALLA LAKE

Tributary: COCOLALLA CREEK

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
96-4227	Spring	Domestic	Statutory Claim
96-4550	Cocolalla Lake	Domestic	Statutory Claim
96-8028	Cocolalla Lake	Irrigation	License
96-8620	Ground Water	Domestic	License

Comments: These water rights are all for separate properties.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: Permit holder uses two separate pumps at the same location: one is used for the home, and one is used to irrigate.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Cocolalla Lake	4		SW	SW	7	55N	02W	B.M.	Bonner
Cocolalla Lake	4		SW	SW	7	55N	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	
55N	02W	7											0.1						
		Lot #											L4						
Total Acres =																			0.1

Place of Use: 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	
55N	02W	7											X						
		Lot #											L4						

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:

Description:

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

___x___ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required).

___x___ 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) = (0.1 acres) x (0.03 cfs/acre)= 0.003 cfs, which rounds to 0.01 cfs.

0.04 cfs is standard for domestic use for 1 home per Application Processing Memo #22.

Total: 0.01 cfs (irrigation) + 0.04 cfs (domestic) = 0.05 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:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.1 \text{ acres} \times 3.0 \text{ acre feet} = 0.3 \text{ acre feet.}$$

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.01 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 4.2 \text{ acre feet.}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.3 \text{ acre feet.}$$

2. Volume Calculations for Other Uses:

Domestic: Application Processing Memo #22 lists a typical volume of 0.6 AF per home when irrigation is separated.

Total: 0.3 af (irrigation) + 0.6 af (domestic) = 0.9 af.

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes ☐ 1 _____

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 and it is also for domestic use for less than 0.24 cfs. The exam was conducted on May 6, 2025, by Jared Klay. At the time of the exam, ownership of the permit is in the name of the Warren Trust. Current Bonner County taxlot data represents the permit holder owns the land appurtenant to the place of use (POU) and point of diversion (POD). Proof of Beneficial Use was submitted on April 24, 2025.

The place of use for irrigation was described as 0.2 acres on both the application and the permit. Further review using Google Earth Imagery and GIS data verified that the total irrigated area comes to 0.1 acres. Thus, I am recommending the place of use as 0.1 acres, with a diversion rate of 0.01 cfs and an annual volume of 0.3 af. Aerial imagery also confirmed domestic use on the property. I am recommending a diversion rate of 0.04 cfs and an annual volume of 0.6 af for domestic use. The permit holder utilizes two separate pumps for irrigation and domestic use. Therefore, 2 points of diversion are being recommended.

All the conditions of this permit have been met. Condition 029 will be dropped from the license because the Idaho Department of Fish and Game did not indicate the requirement of a fish screen. Condition X31 will be updated to reflect the recommended diversion rate and annual volume. Condition 004 will be removed from the license because there are no property concerns. All other conditions on the permit will be carried over 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	0.01 CFS	0.3 AF
Domestic	01/01-12/31	0.04 CFS	0.6 AF
<u>Totals:</u>		0.05 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 – Jared Klay

Field Examiner's Jared Klay Date 5/6/2025

Reviewer Phumma Date 7/30/25

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



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



Google Earth Imagery (dated 7/2024).

