

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

A. GENERAL INFORMATIONPermit No: 96-15769

Exam Date: 10/21/2024

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N
- a. 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: Name: George B. Hurley and Linda Anderson

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

If No: Address

3. Beneficial Use Fees have been paid: X Y N Receipt No: C1183354. **SOURCE****TRIBUTARY**

Pack River

Lake Pend Orielle

Method of Determination: GIS and Parcel DataChange 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
None			

Comments:

No water rights overlap the POU. There are no overlap concerns.2. Other water rights with the same point of diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: There are no POD overlaps.**C. DIVERSION AND DELIVERY SYSTEM**1. **LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Pack River			NE	NE	16	58N	01W	B.M.	Bonner

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

2. **PLACE OF USE:** Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Total s
			NE	N W	S W	SE	NE	N W	S W	SE	NE	N W	S W	SE	NE	N W	S W	SE	
58N	01W	16	1.0																
Total Acres =																			1

Method of Determination: GIS and aerial imageryChange in POU? X N Amendment Required? X N

_____ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

 x Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

 x Aerial Photo Attached (required for irrigation of 10+ acres).

_____ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
PUMP		1/2HP			

D. FLOW MEASUREMENTS

1.Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: No measurement is required for an in-house exam, but Applications Processing memo #17 and a theoretical calculation were used to determine an acceptable rate.

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

No information on the pump was provided by the permit holder aside from the pump horse power (1/2 hp). Per processing memo #17, a diversion of 0.03 cfs per acre for irrigation purposes is authorized for less than 5 acres. Because the permit holder is irrigating 1 acre, I am recommending a diversion rate of 0.03 cfs. See the calculation below

$$0.03 \text{ cfs/acre} \times 1 \text{ acre} = 0.03 \text{ cfs}$$

Permitted Rate = 0.03cfs**Theoretical Rate = 0.03 cfs****B.U Limit = 0.03 cfs****Recommended Rate = 0.03 cfs****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\quad N/A \quad}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\quad N/A \quad}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\quad N/A \quad}$$

G. PURPOSE OF USEIrrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes _____Change in Purpose of Use? ☐ Y ☒ X ☐ NMethod of Determination: Tax lot data and documentation from owner.**H. NARRATIVE/REMARKS/COMMENTS**

Permit 96-15769 qualifies for an in-office examination because the permitted rate is less than 0.24 cfs, there is no storage component, and less than 5 acres of irrigation are performed.

The information for the current permit holder matches the information on the statement of completion provided to the Department. No pictures of the diversion works were provided. The permit holder described the delivery system as a "hose with a foot valve in the river, attached to a pump on the riverbank, then pumped to a pressure tank and then piped to yard bibs". The irrigation place of use shape was updated using Bonner County Assessor GIS maps to exclude driveways and houses located on the property, the polygon has been shrunk to approximately 1 acre to better represent the place of use. Guidance from application processing memo #17 permits a diversion rate of 0.03 cfs per acre for irrigation of 5 acres or less. Per IDAPA Rule 35, no maximum volume shall be assigned to water rights irrigating from natural stream flow, thus none is recommended. I am recommending a diversion rate of 0.03 cfs for the irrigation of 1 acre.

Condition R66 will be retained because the irrigated area is under 5 acres and to ensure usage of this right in combination with other rights will not result in a higher diversion rate than 0.03 cfs. Condition X15 has been satisfied, however per its usage guidance will be retained on the license. Condition 004 will be retained because the point of diversion is outside of the parcel pertinent to the place of use. Condition X16 will be retained as a companion condition to X15.

Have conditions of permit approval been met? ☒ X Yes ☐ No**I. RECOMMENDATIONS****1. Recommended Amounts**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Irrigation	04/01 to 10/31	0.03 CFS	
<u>Totals:</u>		0.03 CFS	

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

Other: < >

J. AUTHENTICATION- Water Resources Agent- Jacob CaraigWater Resources Agent's Name Jacob Caraig Date 5/2/2025Reviewer PK Date 6/9/25

Supporting Imagery –

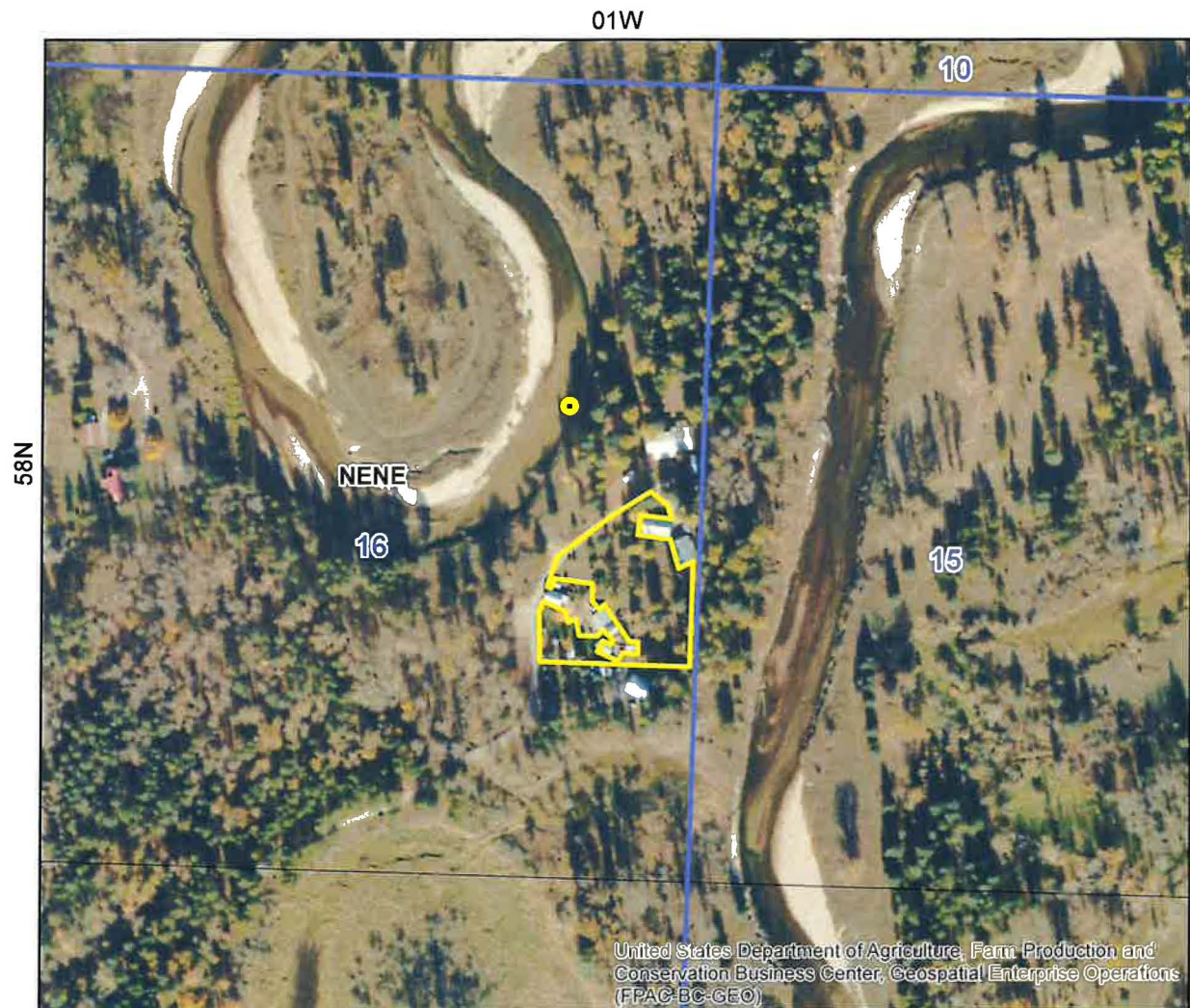
1. Bonner County Assessor GIS view of property



Attachment to In-Office Review/Beneficial Use Field Report

96-15769

Showing Recommended Place of Use and Point of Diversion



0 0.035 0.07 0.14 Miles

-  1.0 Acres Measured Irrigation POU
-  Point of Diversion
-  Townships
-  PLS Sections
-  Quarter Quarters

