

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 97-9226

Exam Date: 09/27/2023

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:

GAYLE SCHLOTTERBECK 374 RIVERS END DR PRIEST RIVER ID 83856-8722 AND
PAUL SCHLOTTERBECK 374 RIVERS END DR PRIEST RIVER ID 83856-8722

3. **SOURCE:**
PRIEST RIVER

Tributary
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: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: None

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

PRIEST RIVER NE¼ SE¼, Sec. 24, Twp 56N, Rge 05W, B.M. BONNER County

Method of Determination: GIS ArcMap Tools, and Taxlot Data

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
56N	05W	24													0.7				0.7

Total Acres: 0.7

Method of Determination: GIS ArcMap Tools, Taxlot Data, Verbal Confirmation With Owner.

3.

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

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

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

____ Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A	N/A	1	N/A	N/A	½ in

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 examination, but a theoretical calculation was used to determine if the diversion rate is reasonable.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

A theoretical analysis shows that a diversion rate of 0.03 cfs is possible with a 1 hp pump and 50' of lift.

$$Q = (1.0 \text{ hp})(8.8)(0.7 \text{ efficiency}) / (50 \text{ lift in ft}) + (2.31)(50 \text{ pressure psi}) + (\text{friction}) = 0.04 \text{ cfs}$$

Measurement = 0.04 cfs

Permit Allowed 0.03 cfs

Irrigated Acres x acre limit = (0.7 ac)x(0.03 cfs/ac) = 0.02 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: N/A

2. Volume Calculations for Other Uses: None

G. NARRATIVE/REMARKS/COMMENTS

This Permit qualifies for an in-house exam because it is for irrigation of less than 5 acres. Field exam was conducted on September 27, 2023 by Justin Shearer. Ownership of the permit is in the name of Paul & Gayle Schlotterbeck. Current Bonner County Taxlot data represents Schlotterbeck's own the land pertinent to the place of use (POU) and point of diversion (POD). Proof of Beneficial Use was submitted on August 18, 2023.

The backfile indicates that comments were sought from IDFG at time of advertising, but none were received. Statement of Completion for Submitting Proof of Beneficial Use indicated that a fish screen has been installed which would satisfy any IDFG fish screening requirements. The owner indicated that they have a 1.0 hp pump installed. A quick theoretical analysis shows that the permitted rate of 0.03 cfs is possible with a 1.0 cfs pump. Permit authorized the irrigation of 0.7 acres. A verbal conversation with Paul Schlotterbeck confirmed that their domestic well irrigates land near the house and that the system diverting water from Priest River under this permit delivers water to 0.7 acres east of Rivers End Drive. Aerial imagery available to the Department indicates that 0.7 acres of irrigation has been developed. As a result, I am recommending 0.02 cfs and for 0.7 acres of irrigation to be licensed. I am not recommending a volume because it is not required for Irrigation using natural stream flow diverted from a stream or spring.

All conditions of permit approval have been met. Condition 029 is being dropped as per department standard. Condition 004 will remain on license since the POD and POU are in separate parcels and access issues could arise in the future. Condition X31 is being removed since the rate is being adjusted to account for the respective amount of irrigation developed. Condition R66 was added to address rate/acre limit and applicable field headgate volume for the area.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>	
IRRIGATION	04/01 to 10/31	0.02 CFS	

Totals: 0.02 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

I. AUTHENTICATION Justin Shearer -

Field Examiner's Name Justin Shearer Date 10/18/23
 Reviewer [Signature] Date 10/18/23