

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-15340

Exam Date: 5/10/2024

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. N/A Storage of up to 14.6 AF for stockwater purposes only
 c. N/A Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less.
 d. N/A Other < >

2. Current Owner: JILL BUHRLIN 2255 GYPSY BAY RD SAGLE ID 83860-9180

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

If No Explain:

- Bonner County Tax Parcel information shows JILL MARIE BUHRLIN as the owner of the property RP001690020140A. I don't see any issues with the ownership of this permit or proposed license.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C1181464. **SOURCE:** Pend Oreille River**TRIBUTARY:** Columbia River

Method of Determination: ArcMap GIS and Tax Parcel Data.

Change in Source: Y X N**B. OVERLAP REVIEW**1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
96-8275	GROUNDWATER	IRRIGATION & DOMESTIC	LICENSE WITH CLAIM FILED
96-9535	GROUNDWATER	MUNICIPAL	LICENSE WITH CLAIM FILED

Comments: - There are no unresolved overlapping water right concerns toward licensing Permit 96-15928:

- Licensed Rights 96-8275 & 96-9535, both issued to Gypsy Bay HOA INC, have domestic use for 19 homes and irrigation use for 4 acres and municipal use. Two Notices of Claim were filed in the ongoing Clark Fork Pend Oreille River Basin Adjudication (CFPRBA) process on May 3, 2022. The POU for irrigation on 96-8275 appears to overlap 96-15340's irrigation POU. Regardless of the CFPRBA process, 96-8275's irrigation beneficial use has a different source (groundwater) and therefore, does not overlap this Permit's irrigation use. The other uses do not overlap. I have no concern for overlap between these water rights.

2. Other water rights with the same point of diversion: X No Overlap**C. DIVERSION AND DELIVERY SYSTEM**

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Pend Oreille River - Pump	5		SW	SW	26	57N	03W	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	03W	26							0.4										0.4
		Lot #							L5										
Total Acres =																			0.4

Method of Determination: GIS and Tax Parcel Data.

Change in POU? X N Amendment Required? X N

3. Diversion System Information:

Description: pump in river piped to a lawn irrigation system using sprinkler heads.

 Delivery System Diagram Attached. (mark all major components and distances between components) 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
Pump	Unknown	½ HP	Unknown	Unknown	Unknown

D. FLOW MEASUREMENTS

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

2. Measurement Comments: No measurement required for an in-office exam.

E. FLOW CALCULATIONS

Measurement = 0.4 ac x 0.03 cfs = 0.012 cfs or 0.01 cfs based on department rounding standards.

Permit allowed = 0.03 cfs

Comments: there is no information related to pump make/model but ½ HP water pump was provided on the Application for Permit. Due to flow measurements not being required, I'm recommending a diversion rate based on Administrative Memo – Application Processing No. 17, which authorizes up to 0.03 cfs per acre for small acreage irrigation. Generally, a pump used to divert water from the river is slightly oversized regarding diversion capacity; this is required to achieve elevation lift while maintaining adequate head pressure to effectively irrigate lawn space. I've recommended **0.01 cfs** for licensing purposes.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.4 \text{ ac} \times 3.0 \text{ afa} = 1.2 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 12.7 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.2 \text{ af}$$

2. Volume Calculations for Other Uses: Surface water (river) source, no volume metrics shall be applied to face of license.

G. PURPOSE OF USEIrrigation Y N # Stock N/A Domestic # of Homes: N/A

Other: < N/A >

Change in Purpose of Use? X N

Method of Determination: Tax lot data and information assessed on the Statement of Completion form.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. Overlapping water right concerns have been evaluated and I've determined there aren't any concerns for overlap toward licensing this permit. Review of aerial imagery from Bonner County GIS maps, Google Earth, and ArcMap software clearly illustrates irrigation. During licensing review, I used ArcMap aerial imagery to trace out the area resulting in 0.4 acres.

IDAPA 37.03.02 Beneficial Use Examination Rules designate irrigation using this surface water river source is exempt from volume reporting requirements. There is no maximum diversion volume or annual diversion volume recommended for licensing. Condition X31 provides annual volume limitations for the recommended irrigation beneficial use.

The permit holder asserts by declaration in step No. 6 on the Proof of Beneficial Use form that a fish screen is installed on the system. I have removed condition 029 from the permit based on this information.

I revised condition X31 to reflect post in-office exam volumetric data equaling 1.2 afa. All other conditions shall be carried to license approval.

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

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>
IRRIGATION	04/01 to 10/31	0.01 CFS

Totals: 0.01 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: < N/A >

J. AUTHENTICATION Tammy Alleman-- Water Resource AgentField Examiner's Tammy Alle Date 5/10/2024Reviewer Chase Bell Date 5/14/24



