

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

A. GENERAL INFORMATION

Permit No: 96-15928

Exam Date: 05/07/2024

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
 - N/A Storage of up to 14.6 AF for stockwater purposes only
 - N/A Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less.
 - N/A Other < >
2. Current Owner: FLOM TRUST
- Owner of Record Correct? X Y N
- Address of Record Correct? X Y N
- If No Explain:
- Bonner County Tax Parcel information shows FLOM TRUST and Brent E Flom – Trustee (Owner 2) as the owners of the property RP00405000001BA. 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: C118147
4. **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
96-7616	PEND OREILLE RIVER	INDUSTRIAL, DOMESTIC	LICENSE
96-7758	PEND OREILLE RIVER	DOMESTIC	LICENSE
96-9025	PEND OREILLE RIVER	IRRIGATION	LICENSE

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

- Licensed Right 96-7616 is owned by Laclede Water District and has an industrial & domestic large POU which overlaps this Permit's irrigation POU. Backfile research for 96-7616 illustrates domestic use is for 136 "units" which likely included this Permit's parcel. Phone conversation with Mr. Thomas Flom conducted on 5/7/2024 identify that Mr. Flom's in-home domestic use is served by Laclede Water District, but no external water use occurring on the property is from the water district system. A Notice of Claim has yet to be filed in the ongoing Clark Fork Pend Oreille River Basin Adjudication (CFPRBA) process. Regardless of the CFPRBA process, 96-7616's beneficial uses are not the same as this Permit's irrigation use, and there is no concern for overlap between 96-7616 & 96-15928.
- Licensed Right 96-7758 authorizes diversion of Pend Oreille River water for domestic use with a generic POU assigned which overlaps this Permit's POU. I researched 96-7758's backfile and was unable to confirm an exact parcel to assign to the domestic POU. Based on the domestic beneficial use being a separate use, and the applicant asserting only irrigation use is associated with his river water diverting system, there is no concern for overlap between 96-7758 & 96-15928. I note that a Notice of Claim has not been received by IDWR for 96-7758 at the time of my licensing recommendation for this permit.
- Licensed Right 96-9025 authorizes diversion from the same source as this permit for irrigation beneficial use with a generic POU which overlaps this Permit's irrigation POU. I reviewed the backfile for 96-9025 and found the field report annotates the 0.5 acres irrigation was occurring on parcel Lot 6 of the subdivision. The applicant's parcel is Lot 1 of the same subdivision resulting in no concern for overlap between 96-9025 and 96-15928. Additionally, a Notice of Claim has been received from the current property owner of Lot 6 Schweitzer Villa Subdivision, Kathryn Hara, in the ongoing CFPRBA process.

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			SW	NW	29	56N	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	
56N	03W	29							0.2										0.2
		Lot #							L2										
Total Acres =																			0.2

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	Unkown	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 = 0.2 ac x 0.03 cfs = 0.006 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 or Hp provided on the Statement of Completion; a phone conversation held between me and Mr. Flom on 5/7/2024 identified it is an old pump and there isn't any knowledge regarding this information. The pump still operates as it has for this existing system for decades, so it hasn't been replaced.

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 **0.03 cfs** for licensing purposes.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.2 \text{ ac} \times 3.0 \text{ afa} = 0.6 \text{ af}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.6 \text{ af}$$

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

G. PURPOSE OF USE

Irrigation 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, phone conversation with applicant's representative Mr. Thomas Flom, 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 the irrigated area. Irrigation is for lawn area in between the river and the residence. I spoke with Mr. Flom by phone on 5/7/2024; Mr. Flom asserts that the water system is only used to irrigation in front of (river front) the home and alongside the home. The Statement of Completion designates a 80' x 75' footprint for lawn space. During licensing review, I used ArcMap aerial imagery to trace out the area discussed with Mr. Flom resulting in 0.2 acres.

Mr. Flom asserted that the areas of the parcel associated with the driveway and road frontage are pine treed plots that don't receive any irrigation, only tree pruning of dead branches. Based on this information I didn't recommend this portion of the parcel toward the irrigation POU.

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 not installed on the system. Idaho Fish and Game didn't comment or require a screen be installed on this existing water 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 0.6 afa. All other conditions shall be carried to license approval.

Have conditions of permit approval been met? ☒ 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	0.03 CFS

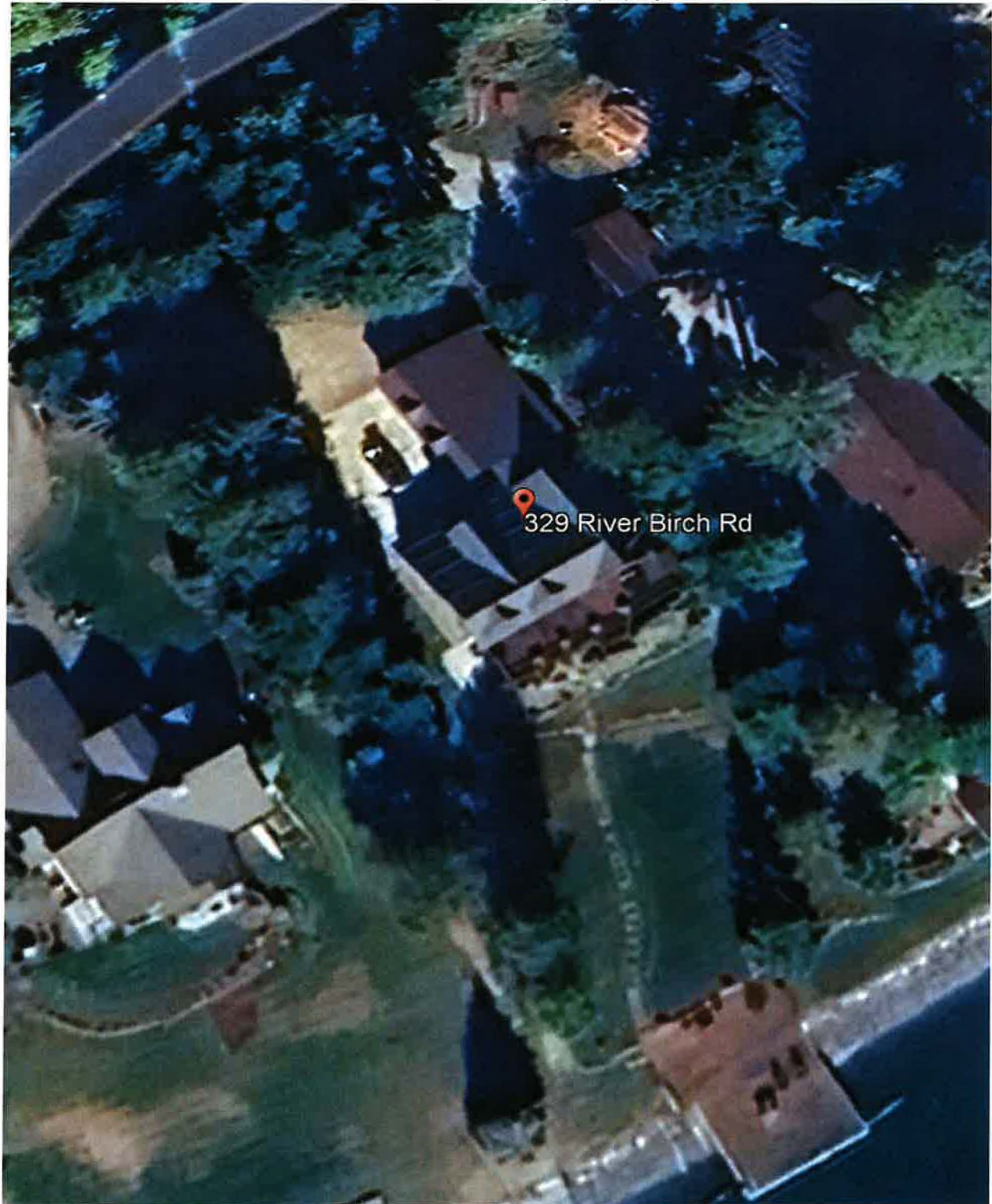
Totals: 0.03 CFS**2. Recommended Amendments:**☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

Other: < N/A >

J. AUTHENTICATION Luke Bates – Sr Water Resource AgentField Examiner's  Date 5/7/2024Reviewer  Date 5/15/24

Field Exam Map(s): 329 River Birch Rd, Priest River ID 83856.

7/2023 Google Earth imagery of property



Imagery retrieved from Google Earth on 5/7/2024

Bonner County Tax Parcel map retrieved from www.bonnercountytid.gov on 5/7/2024



Tax Parcel No. RP00405000001BA