

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

A. GENERAL INFORMATIONPermit No: 96-11002Exam Date: 8/04/2022

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >
2. Current Owner: Name: Lam River LLC
- Owner of Record Correct? X Y N
- Address of Record Correct? Y N
- If No: Address

The Department's parcel data shows Lam River LLC, as the owner of the property. Therefore, I don't see any issues with the ownership of this property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C113320
4. SOURCE TRIBUTARY
- Pend Oreille River Columbia River
- Method of Determination: 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
96-9852	Ground Water	Domestic	Permit

Comments: Permit 96-9852 is owned by Swan Shores II Homeowner's Association, Inc. The permit holder stated in the application for permit that this water right supplies the potable water for this property. This shouldn't be an issue for this permit.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights in this area.

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
Pend Oreille River	6		SW	NE	34	57N	3W	B.M.	Bonner

Method of Determination: GIS and Tax Parcel Data.

Change in POD? X N Amendment Required? X N

2. **PLACE OF USE:** Use: Domestic and stockwater

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	3W	34			0.3														
		Lot #			5														
Total Acres =																			

Method of Determination: GIS and Tax Parcel DataChange 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 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
River Pump	Unknown				

*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
NONE						

2. Measurements: No measurement is required for an in-house exam.**E. FLOW CALCULATIONS** Additional Computation Sheets Attached

Measured Method:

There was no information submitted with the application for permit to determine the flow rate for the well. Therefore, I am required to fall back on the standard for irrigation uses set forth by Administrative Processing Memo #17 of 0.03 cfs per acre for irrigation uses under 5 acres. 0.3 acres were found to have been irrigated.

Administrative Memo #17 = 0.03 cfs X 0.3 acres = 0.009 cfs**Permit allowed = 0.03 cfs for 0.3 acres**

I am recommending 0.03 cfs for irrigation uses as recommended on the permit. Most domestic type systems are designed to provide 12 gpm or 0.03 cfs per sprinkler zone. It is unreasonable to authorize a diversion rate below the 0.03 cfs for a standard yard irrigation system.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.0 \text{ acre-feet per acre} \times 0.3 \text{ acres} = 0.9 \text{ acre-feet}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 0.9 \text{ acre-feet}$$

Please Note: No volume is required on a this right according to Idaho Beneficial Use Rule IDAPA 37.03.02.035.01.j.viii.

2. Volume Calculations for Other Uses:

Administrative Processing Memorandum #22 provides guidance to allow 1.2 acre-feet for in-house use and yard irrigation. Administrative Processing Memorandum #17 provides guidance to allow 0.2 acre-feet for stockwater use under 10 animals. The diversion rate of 0.02 cfs can supply 14.4 acre-feet per year (0.02 X 1.9835 X 365 days 14.4 acre-feet per year), which is more than enough to provide the volumes recommended for this permit. **I am recommending that this permit be limited to 1.2 acre-feet for domestic use and 0.2 acre-feet for stockwater use for a total of 1.4 acre-feet.**

** no domestic on this permit nor stockwater*

G. PURPOSE OF USE

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

Other: < >

Change in Purpose of Use? ☐ Y ☐ N

Method of Determination: Taxlot data and conversations with owner.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. The entire parcel looks irrigated except for a small portion where what looks to be a trailer is parked and a small driveway into the parcel. I didn't find any issues that would prevent this permit from being licensed.

The permit holder stated in the Statement of Completion for Submitting Proof of Beneficial Use that a fish screen was installed.

Conditions 004, X15, X16 and X60 should be carried forward to licensing. Condition R66 should be replaced with Condition X31. No further conditions should be necessary.

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 to 10/31	0.03 CFS	0.9 AFA
<u>Totals:</u>		0.03 CFS	0.9 AFA

Please Note: No volume is required on a this right according to Idaho Beneficial Use Rule IDAPA 37.03.02.035.01.j.viii.

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 – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name  Date 8-4-2022

Reviewer  Date 8/4/22

Field Exam Map:

The yellow border shows the place of use for the irrigation use and the yellow point shows the point of diversion. The parcel boundaries are shown as the green border.

