

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

A. GENERAL INFORMATION

Permit No: 96-15021

Exam Date: 02/29/2024

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: HEUSNER TRUST

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

If No Explain:

- Bonner County Tax Parcel information shows Heusner Trust (Owner1) and Heusner, John E & Judith A Trustees (Owner2) as the owners of the property RP005340020050A. 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: C1176884. **SOURCE:** Lake Pend Oreille**TRIBUTARY:** Pend Oreille 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: No Overlap

Water Right No.	Source	Purpose of Use	Basis
96-7927	Groundwater	Domestic	License
96-7957	Groundwater	Domestic	License
96-15019	Groundwater	Domestic	B.U. Claim filed in CFPRBA

Comments: Licensed WRs 96-7927 & 96-7957 use a groundwater source for domestic purposes with a generic large POU assigned in ArcMap during license approval; neither WR has a Notice of Beneficial Use Claim filed in the CFPRBA which overlaps this Permit's POU – no conflict for overlap between Right(s). Notice of Claim 96-15019 is filed in the CFPRBA by the permit holder for domestic use from a separate groundwater well; the domestic use is a separate water system than this surface source irrigation system and there is no concern for overlap between Right(s).

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
Lake Pump	L1		NE	NW	33	57N	01W	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:

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	01W	33					0.3												0.3
		Lot #					L1												
Total Acres =																			0.3

Method of Determination: GIS and Tax Parcel Data.

Change in POU? X N Amendment Required? X N

3. Diversion System Information:

Description: Screened foot valve with intake pipe in lake routing 30 ft in a 1.5-inch poly pipe to a 1.5 HP electric irrigation pump. Water distributed to irrigation zones by hose and sprinklers.

 Delivery System Diagram Attached. (mark all major components and distances between components)

 X Aerial Photo Attached (required)

 X 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	1.5			

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

E. FLOW CALCULATIONS

Measurement = 0.3 ac x 0.03 cfs = 0.009 or 0.01 cfs based on department rounding standards.
Permit allowed = 0.03 cfs

Comments: The permit holder provided detailed information on the Statement of Completion identifying a 1.5 HP irrigation pump is used for the lake water irrigation system. 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. The 1.5 hp is sufficient to achieve **0.03 cfs** or 13.5 gpm that I'm recommending for licensing.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.3 \text{ ac} \times 3.0 \text{ afa} = 0.9 \text{ af}$$

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

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

2. Volume Calculations for Other Uses: N/A

G. PURPOSE OF USE

Irrigation Y N # Stock N/A Domestic # of Homes N/A

Other: < >

Change in Purpose of Use? X N

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

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. The irrigation use for this permit is relatively simple with a screened intake and centrifugal style irrigation pump to hose and sprinklers for yard & landscape watering. There are no overlapping water right concerns toward licensing this permit.

The permit holder asserts by description on the Proof of Beneficial Use form that a screened foot valve was installed satisfying screening requirements.

I removed condition 029 from the permit during licensing review and 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>	<u>Annual Volume</u>
IRRIGATION	04/01 to 10/31	0.03 CFS	0.9 AF

Totals: 0.03 CFS 0.9 AF

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 Luke Bates – Sr Water Resource Agent

Field Examiner's *[Signature]* Date 2/29/2024

Reviewer _____ Date _____

Field Exam Map(s): 41 States Ln, Sagle ID, Lt 5, Blk 2; Bel Tane Acres Sub.

2019 Google Earth imagery of property.



Bonner County Tax Parcel map retrieved from www.bonnercountyid.gov on 2/29/2024



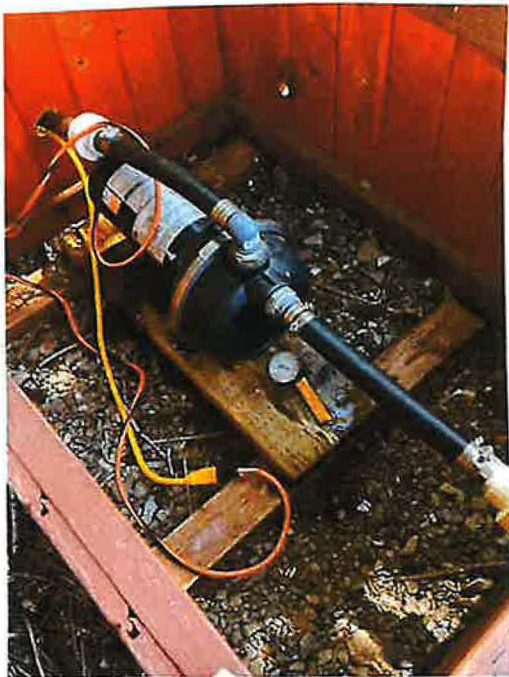
Heuser Trust
Permit # 96-15021

RECEIVED

JAN 25 2024

DEPARTMENT OF
WATER RESOURCES

Photos in support of proof of
beneficial use ↓



Shore-based pump
to acquire water from
Lake Pend Oreille



Multiple irrigation outlets
on property to distribute
water over land.

Submitted by John E. Heuser
Trustee
Heuser Trust
John E. Heuser