

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

A. GENERAL INFORMATION

Permit/Claim No: 97-8620

Exam Date: 6/27/2023

1. Current Owner: Linda Heiss
267 THAMA DR
Priest River ID 83856-8786
(775)-225-4557
LHEISS748@GMAIL.COM

2. Owner of Record Correct? Y
Address of Record Correct? Y

Remarks:

3. **SOURCE** **TRIBUTARY**
Unnamed Stream Pend Oreille River
Method of Determination: Observation and DRG maps
Change in Source: N

B. OVERLAP REVIEW

1. Other water rights with the same place of use:

Water Right No.	Source	Purpose of Use	Basis
97-8618	Ground water	Domestic	Beneficial Use

Ground water claim 97-8619 is for in house use and stockwater. They do not use this right for irrigation. According to IDWR records Kevin and Linda Heiss filed application for permit 97-8617 for domestic, stockwater and irrigation from ground water in May of 2022. There are no documents, no point of diversion, and no place of use in IDWR's records. The application source was ground water for domestic, stockwater and irrigation. Marvene Shaw filed lapsed permit 97-7450 for domestic from the Pend Oreille River. There is no well log in Heiss or Shaw's name in IDWR's database.

2. Other water rights with the same point of diversion: **NONE**

Water Right No.	Source	Purpose of Use	Basis

Comments: According to the claim the source is unnamed stream tributary to the Pend Oreille River. The stream is not named on the DRG and is tributary to the Pend Oreille.

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
Unnamed Stream			SE	NE	32	56N	4W	B.M.	Bonner

Method of Determination: Field exam

Change in POD? N Amendment Required? N

2. **PLACE OF USE:** 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	4W	32														8.1			8.1
																L6			
Total Acres =																			8.1

Method of Determination: Imagery, parcel data and field exam

Change in POU? N Amendment Required? N

3. **X** Delivery System Diagram Attached (optional). 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
	Flotec	3/4	O48J2EO1108		

*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
5 Gallon Bucket						

2. Measurements: Four measurements from the open pipe at the pump using a five gallon bucket: average of 33.15 seconds to fill the bucket

E. FLOW CALCULATIONS

___ Additional Computation Sheets Attached

Measured Method:

9 gallons a minute at the measured rate

Recommend for 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: This is surface water; no volume required

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

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

2. Volume Calculations for Other Uses: none

G. PURPOSE OF USE

Irrigation **Y** # Stock Domestic # of Homes none

Other:

Change in Purpose of Use? no

Method of Determination: Observation and information from claimant

H. NARRATIVE/REMARKS/COMMENTS

A ¾ inch pipe sits in the river approximately 40 feet from the pump. The ¾ horse power pump supplies water for irrigation around the house and for the pasture.

I. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	4/1 to 10/31	0.02 CFS	AF
<u>Totals:</u>		0.02 CFS	AF

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:

J. AUTHENTICATION

Field Examiner's Name_____Date_____

Reviewer_____Date_____

Photographer and Date of Photos: Sandra Thiel, June 28, 2023



Pipe in the river

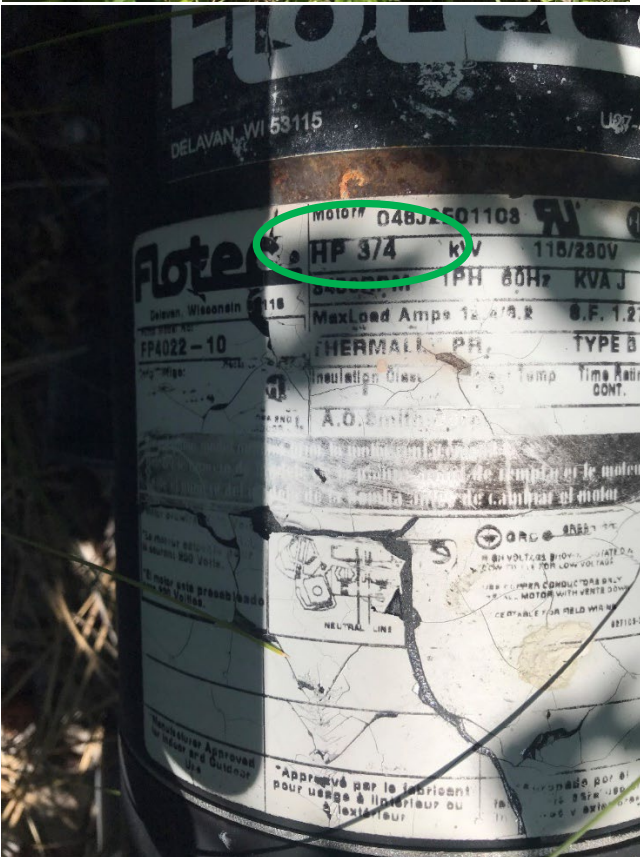


River and pipe location

Pump



Pump





Pump location





The photo above shows irrigated land between the house, driveway and street looking toward the river



1998 DOQQ



USGS Earth Explorer Imagery August 11, 1953



Claim 97-8620