

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

A. GENERAL INFORMATIONPermit No: 95-17939

Exam Date: 2/25/2022

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: Lea J. Sammons
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

The Department's parcel data shows Lea Sammons as the owner of the property. The Bonner County records also show that Lea Sammons is 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: C111991

4. **SOURCE** TRIBUTARY

Kelso Lake

Sink

Method of Determination: GIS, Well Driller's Report, and Tax Parcel DataChange 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

Comments: There are no water rights in this Government Lot.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no water rights in this Government Lot.

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Lake Pump	4		NW	SW	21	54N	3W	B.M.	Bonner
								B.M.	
								B.M.	

Method of Determination: GIS, Well Driller's Report, and Tax Parcel Data.

Change in POD? X Y N Amendment Required? X Y N

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

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
54N	3W	21										D							
		Lot #										4							
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
Well Pump	Unknown	0.5			

*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. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONSX Additional Computation Sheets Attached

Measured Method:

The permit holder stated that they planned to use a ½ Hp pump in application for permit. However, it is unclear what the pumping levels and pressures used, or if they used a ½ Hp pump. I am forced to rely on Administrative Processing Memorandum #22.

Administrative Processing Memo #22 = 0.04 cfs for domestic use**Permit allowed = 0.04 cfs for domestic**

I am recommending 0.04 cfs to match the diversion rate authorized by the permit or allowed under Administrative Processing Memorandum #22.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

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. I am recommending that this permit be licensed for 1.2 acre-feet.

G. PURPOSE OF USEIrrigation Y N # Stock Domestic # of Homes 1

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. This permit authorized a diversion from Kelso Lake for domestic purposes. I am don't find any issues that raises a significant concern.

The permit has a condition that requires the permit holder to install a fish screen prior to diversion of water. The permit holder stated in the Statement of Completion for Submitting Proof of Beneficial Use "Proof" that a fish screen has been installed on the system.

The application for permit claims that a ½ Hp pump may be used for this system. However, there is no verification in the Proof that a ½ Hp pump was placed in the lake. The system was not in place at the time of the permit was approved. Therefore, it would not be reasonable to reduce the diversion rate based on the application for permit proposal.

Conditions X01, 187, and 004 should all be carried forward to licensing. Condition 029 does not need to be carried forward to licensing since a fish screen as been installed. Condition X59 should be added to show the place of use is within the borders of Lot 1 of Willow Estates Subdivision. The point of diversion is on Idaho Department of Lands property or in the lake. The permit holder has acquired encroachment permit #L-96-S-1909A. The lake doesn't have a lot and block designation, so there wouldn't be a need to have a condition better describing the point of diversion.

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>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01 to 12/31	0.04 CFS	1.2 AFA
<u>Totals:</u>		0.04 CFS	1.2 AFA

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

2-25-22

Reviewer



Date

2/28/22

Field Exam Map:

The yellow border shows the place of use and the yellow point shows the point of diversion. I am using the same place of use for both the domestic and stockwater uses. The green borders show the tax parcels for this property.



Bonner County Tax Maps

