

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

A. GENERAL INFORMATIONPermit No: 97-8030Exam Date: 2/17/2022

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: Frank Kirtz
- Owner of Record Correct? X Y N
- Address of Record Correct? Y N
- If No: Address

The Department's parcel data shows Frank and Debe Kirtz as the owner of the property. Bonner County records shows Kirtz Trust as the owner of the property with Frank J. and Deborah D. Kirtz as the co-owners. Both Frank and Debe Kirtz signed the application for permit, but only Frank was listed as the owner. The application was advertised with Frank Kirtz as the owner of the application for permit, so we should maintain Frank Kirtz as the owner of the water right. I don't see any other issues with the ownership of this property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C111911

4. **SOURCE** TRIBUTARY

Priest Lake

Priest River

Method of Determination: GIS 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: This property is on a island in the middle of Priest Lake. There is only a single adjudication claim on the island, and that is for a neighbor and not associated with this permit.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: This property is on a island in the middle of Priest Lake. There is only a single adjudication claim on the island, and that is for a neighbor and not associated with this permit.

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Lake Pump	3		NE	SE	17	60N	4W	B.M.	Bonner
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Parcel Data.Change in POD? X N Amendment Required? X 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	
60N	4W	17													X				
		Lot #													3				
Total Acres =																			

Method of Determination: GIS and Tax Parcel Data.Change 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
Lake Pump	Unknown	½ Hp			

*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:

The application states that a ½ Hp pump will be used for this use. Since this is a vacation type home on an island in the middle of a lake, it is difficult to estimate the lift and pressure for this system. Therefore, I am required to fall back on the standard for domestic use set forth by Administrative Processing Memo #22.

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

I am recommending 0.04 cfs since the permit limitation was based on Administrative Memorandum #22 for.

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 af for in-house use and yard irrigation.

G. PURPOSE OF USE

Irrigation ___Y___N # Stock ___ Amount ___ 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 supplies a home on an island in the middle of Priest Lake. Due to the number of trees in the area it is difficult to see the home and yard in the Department's aerial imagery. You can see the home in the Google Earth imagery and the Bonner County imagery. According to the records the home was built in 1987.

There was a fish requirement, and the owner stated on the proof of beneficial use form that the screens were installed. Conditions X15, X16, X01, 187, 227, and 004 should be carried forward to licensing. No additional conditions will be needed.

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: < >

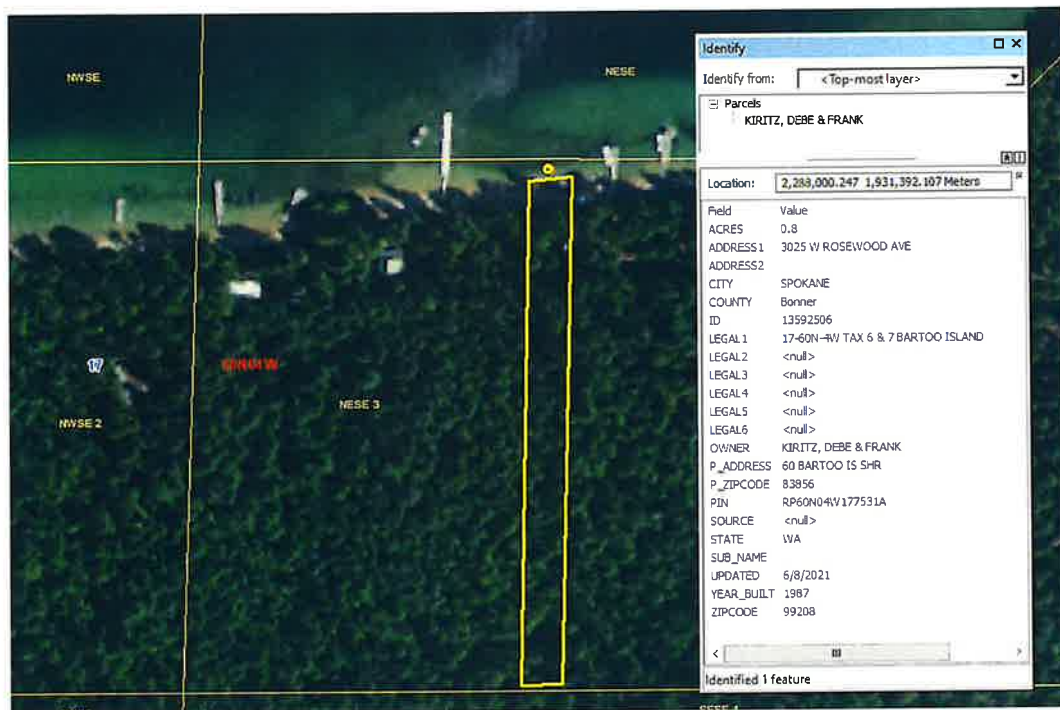
J. AUTHENTICATION – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name  Date 2-17-22

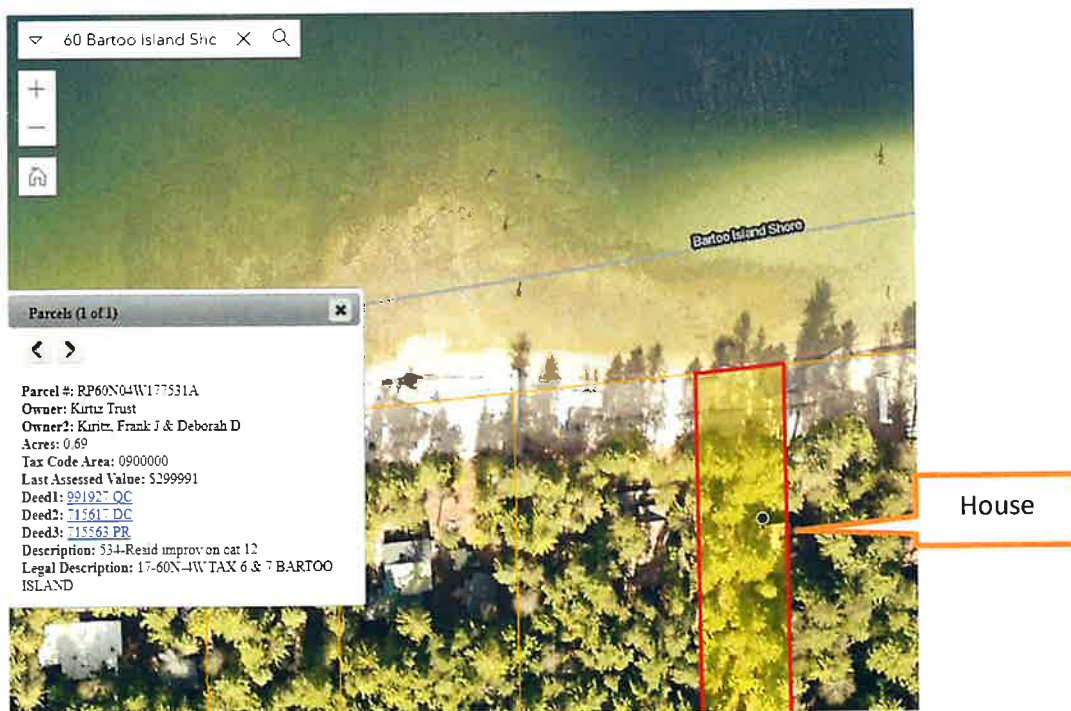
Reviewer  Date 2/17/22

Field Exam Map:

The yellow border shows the place of use and the yellow point shows the point of diversion.



Bonner County Tax Maps





Imagery Date: 8/4/2019 48°32'54.45" N 116°52'22.55" W elev 2465 ft eye alt 2842 ft