

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

A. GENERAL INFORMATIONPermit No: 95-17634

Exam Date: 11/14/19

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- a. Irrigation of 5 acres or less
 - b. Storage of up to 14.6 AF for stockwater purposes only
 - c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - d. Other < >

2. Current Owner: Name: James D. and/or Linda R. Scharnhorst
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

Tax parcel data shows the Living Trust of James Donald Scharnhorst and Linda Rae Scharnhorst as the owners of the property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: N035735

4. SOURCE TRIBUTARY

Hayden Lake

Sinks

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
NONE			

Comments: There are a number of rights in the same 40 acre tract, but they are for other properties

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

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: There are a number of rights in the same 40 acre tract, but they are for other properties

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Lake Diversion			NE	SE	4	51N	3W	B.M.	KOOTENAI
								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: 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	
51N	3W	4													D				
		Lot #																	
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				2 inch impute per application for permit

*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 CALCULATIONSYES Additional Computation Sheets

Attached

Measured Method:

There is no information in the file that can be used to calculate a flow rate, so I use Administrative Processing Memorandum #22 as a guide for the domestic use.

Administrative Memorandum #22 allows = 0.04 cfs**Permit allowed = 0.04 cfs****The permit matches the Department standards, so I am recommending a diversion rate of 0.04 cfs.****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:

There is no information in the file that can be used to calculate the volume, so I use Administrative Processing Memorandum #22 as a guide for the domestic use.

Administrative Memorandum #22 allows = 1.2 af**I am recommending a diversion rate of 0.04 cfs.****G. PURPOSE OF USE**Irrigation Y N # Stock Domestic # of Homes 1

Other: < >

Change in Purpose of Use? Y NMethod of Determination: Tax Parcel Data and GIS.If Yes: From Use To Use Amount CFS AFA **H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-house examination. There was no information in the file to determine the diversion rate and annual volume, so I used the standard set forth in Administrative Processing Memorandum #22. The aerial photography clearly shows a home on this property, and the tax parcel information suggests the home was constructed in 2001. The point of diversion was placed at the location of the pump, but I moved to the shore where the water actually leaves the lake.

The permit required a fish screen, and the permit holder stated on the proof of beneficial use form that they had installed the fish screen.

Conditions 004, X15, X01, 187, and R05 will be carried forward to licensing. Condition 1 (X15) will be modified to state that the fish screen shall be maintained.

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 ☒ None

___ Change P.U. as reflected above ___ Add P.U. as reflected above ☒ None

Other: < >

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

Field Examiner's Name



Date

11-15-19

Reviewer



Date

11/21/19

Field Exam Map:

The following aerial imagery shows the place of use (yellow border) and the updated point of diversion (yellow dot). The tax parcel information shows the home was built in 2001.

