

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

A. GENERAL INFORMATIONPermit No: 95-17965

Exam Date: 9/28/21

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: Joseph and Jana Bowen
 Owner of Record Correct? X Y N
 Address of Record Correct? X Y N
 If No: Address

The Department's parcel data shows the owner of the property is Joseph and Jana Bowen Family Trust. I don't see any issues with the ownership of this property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: N037379

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: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-395	Hayden Lake	Domestic	Decree

Comments: Water right 95-395 was decreed in 1973 Hayden Lake Decree. Decreed water right was originally decreed for a single family household on tax parcels Lot 8 and 9 in Rainbows End Subdivision. The home associated with decreed right 95-395 is located on Lot 8. The parcels were split sometime in the past. The current adjudication claims were filed and recommended for Lot 8 only. Although the current decreed water right includes Lot 9, it shouldn't be considered an overlapping water right, since it is being recommended in the North Idaho Adjudication for Lot 8 only. There a number of rights are in this same 40 acre tract, but there are no other direct overlap of this parcel.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are various points of diversion in this area, but there are no water rights that use the same point of diversion as 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 Diversion			NW	SE	9	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: 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	
51N	3W	9													D	■			
		Lot #													L3				
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				

*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:

There is no information in the application for permit to estimate the flow rate, so we will need to rely 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

It appears as though the permit and Administrative Memo #22 suggest that a diversion rate of 0.04 cfs is reasonable.

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 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. The biggest issue with this permit is the overlapping water right 95-395, but it is clear from the North Idaho Adjudication claim and recommendation that 95-395 is for the home on Lot 8 and shouldn't be considered an overlap for this permit.

The permit has a condition that requires a fish screen be installed. The permit holder stated in the proof of beneficial use report that a fish screen wasn't required. However, it is clearly required in the conditions of the permit. Fortunately, the permit holder confirmed in the proof of beneficial use form that the fish screen had been installed.

Conditions X01, 187, RO5, and X60, and 004 should be carried forward to licensing. The remaining conditions should not be included on the license. Once it is confirmed that a fish screen has been installed, we can remove condition 029.

Have conditions of permit approval been met? ☒ 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

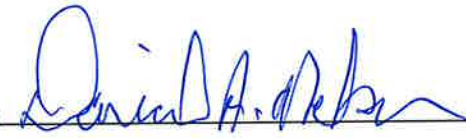
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

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

Other: < >

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

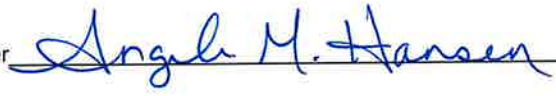
Field Examiner's Name



Date

10-5-21

Reviewer



Date

10/5/2021

Field Exam Map:

The yellow border shows the place of use for this permit, and the yellow dot shows the point of diversion from Hayden Lake. The house is a bit difficult to see, so I pointed to it for reference.



2020 Google Earth Image



Kootenai County Maps

