

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

A. GENERAL INFORMATIONPermit No: 95-17456

Exam Date: 1/17/2019

1. Does this qualify for an in-office field exam (IDAPA 035.02.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: Hagen Living Trust
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

Tax lot data shows Hagen Living Trust as the owners of the property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: N033936

4. **SOURCE** TRIBUTARY

Coeur D Alene Lake

Spokane 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: There are no direct overlapping water right for this property. Water right permit 95-17455 appears to divert out of the same point of diversion, but it is for the adjoining property to the south. There are 6 water rights in the same 40 acre tract, but they are all for properties south or east of the place of use for this permit.

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

Water Right No.	Source	Purpose of Use	Basis
95-17455	Coeur D Alene Lake	Domestic	Permit

Comments: Water right permit 95-17455 appears to divert out of the same point of diversion, but it is for the adjoining property to the south. There are 6 water rights in the same 40 acre tract, but they are all for properties south or east of the point of diversion for this permit.

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
Lake Diversion	4		SE	NE	5	49N	3W	B.M.	KOOTENAI
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Lot 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	
49N	3W	5				D													
		Lot #				4													
Total Acres =																			

Method of Determination: GIS and Tax Lot 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
Lake 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

Attached

YES Additional Computation Sheets

Measured Method:

There was very little information in the file describing the pumping system for this permit. I used the standard domestic requirement for a home with irrigation found in Processing Administrative Memorandum #22.

Admin. Memo #22 = 0.04**Permit allowed = 0.04 cfs**

I recommend a diversion rate of 0.04 cfs as allowed by the permit and Administrative 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:

According to Processing Administrative Memorandum #22, a single domestic use with yard irrigation can be authorized for a total of 1.2 af per year.

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

Other: < >

Change in Purpose of Use? Y NMethod of Determination: Taxlot data and conversations with owner.If Yes: From Use To Use Amount CFS AFA **H. NARRATIVE/REMARKS/COMMENTS**

This qualifies for an in-house field examination. The only real issue with this permit is that the point of diversion seems to supply water for the adjoining property to the south also owned by the permit holder. The adjoining property is covered by permit 95-17455, but proof of beneficial use is not due on that permit until 2023.

No information was given in the application for permit to suggest the capacity of the system, so I used the Department standards outlined in Administrative Processing Memorandum # 22.

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 1 and 2 on the original permit will be removed at licensing as is standard. The remaining conditions will be carried forward to licensing.

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 AF
<u>Totals:</u>		0.04 CFS	1.2 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 – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name  Date 1-17-19

Reviewer _____ Date _____