

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

A. GENERAL INFORMATIONPermit No: 96-9619

Exam Date: 8/19/2016

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: James R. And Lynnete M. Hall
 Owner of Record Correct? X Y N
 Address of Record Correct? Y N
 If No: Address

Tax lot data shows the Halls as the owners of the property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C0
4. SOURCE TRIBUTARY
 Pend Oreille River St. Joe River
 Method of Determination: GIS and Taxlot Data
 Change 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: Water rights 96-7067 and 96-7068 are for property south of the county road, Water rights 96-8185, 96-4413, and 96-7029 are for the property to the northeast of this property. Water right 96-7322 is for a subdivision to the south of the property.

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

Water Right No.	Source	Purpose of Use	Basis
NONE			

Comments: There are no other points of diversion from the Pend Oreille River in this 40 acre tract.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
River Pump	3		SE	NW	2	55N	4W	B.M.	BONNER
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Lot data.

Please Note: The point of diversion is in the lake, so it shows no 40 acre tract or lot designation for area where the lake is located. The government lot is on land side, so the point of diversion should include the government lot designation even though the ArcMap 40 acre tract line goes through the middle of the parcels.

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	
55N	4W	2								D									
		Lot #								3									
Total Acres =																			

Method of Determination: GIS and Tax Lot Data

Please Note: The point of diversion is in the lake, so it shows no 40 acre tract or lot designation for area where the lake is located. The government lot is on land side, so the point of diversion should include the government lot designation even though the ArcMap 40 acre tract line goes through the middle of the parcels.

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
River 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:

No theoretical pump calculation was done on this system, since there is no indication on what the pump size is. Therefore, I followed the direction of Permit Processing Administrative Memo # 22, and I am recommending the standard 0.04 cfs for domestic use.

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:

ArcMap does show a small home/trailer, and what looks to be a small yard area around the structure. Therefore I followed the direction of Permit Processing Administrative Memo # 22, and I am recommending the standard 1.1 af for domestic use.

G. PURPOSE OF USE

Irrigation X 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 is qualifies for an in-house exam. This is a very small lot completely covered in trees, so it is difficult to determine the amount of irrigation use. Aerial photos clearly show a small home or trailer on the northern portion of the 3 parcels, and what appears to be a small yard around the trailer. Therefore, this domestic use should be adequate for this property. There was no way to determine the flow rate or volumes, so I used the standards described in Permit Processing Administrative Memo # 22.

Condition # 2 (26A) should be removed at licensing, but all of the other conditions on the permit should 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 – STAFF HYDROLOGIST

Field Examiner's Name



Date

8-19-16

Reviewer

Date

2011 aerial photo

NWNE 2

Boating Dock

2

55N04W

Point of Diversion
per permit

House/Trailer

SWNE

SENW 3

NWSW 4

NESW

NWSE