

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

A. GENERAL INFORMATIONPermit No: 96-9804Exam Date: 5/12/2022

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: Dan Staglund and/or Patricia Schwartz
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

The Bonner County and Department's parcel data shows Staglund Trust, Dan and Starla Staglund Trustees as the owners of the property. Therefore, I don't see any issues with the ownership of this property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C112714

4. **SOURCE** **TRIBUTARY**

Pend Oreille River

Columbia 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: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
96-7713	Spring	Domestic	License
96-8812	Ground Water	Municipal	License

Comments: Water rights 96-7713 and 96-8812 are domestic and municipal water rights for the Southside Water and Sewer Company (SWSC). These rights are believed to supply the in-house use for these properties. In the back file of water right 96-8812, there is a list of water delivery customers for SWSC. On Page 7 of this list there are 2 entries for Dan Staglund and 2 entries for Dan and Starla Staglund. Two of the entries match the address of 2 of the 3 properties associated with this permit. Therefore, it is safe to assume that the in-house water is supplied by SWSC. The volume for the SWSC was calculated by allowing 1.2 acre-feet per home, which suggests that each property is limited to 1/2 acre of yard irrigation. It appears as though this permit was filed to allow additional irrigation of the 3 properties and a cheaper source of water for irrigation of the lands that could have been irrigated by the SWSC rights. Water right 96-4004 also appears to overlap this property, but it is actually located around the Idaho Fish and Game Fish Hatchery in the SESE and the NWSW in Tax Parcel #4. Water right 96-4004 is not on this property.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are no other water rights diverting from the location of the point of diversion.

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	3	56N	2W	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	
56N	2W	3								1.2									1.2
		Lot #								3									
Total Acres =																			1.2

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	2			

*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 was no information submitted with the application for permit Statement of Completions for submitting Proof of Beneficial Use states that the river pump is a 2 Hp pump. It is assumed that the property is less than 40 feet and is probably closer to 10 feet or so. I also assumed a fairly standard pressure of 45 psi for sprinklers to calculate a theoretical calculation. I am required to consider Administrative Processing Memorandum #17 that allows up to 0.03 cfs per acre. The application for permit states that there will be approximately 2.5 acres at 0.03 cfs for a total of 0.08 cfs (0.03 cfs X 2.5 acres = 0.075 cfs).

Administrative Memorandum #17 = 0.03 cfs/acre X 1.2 acres = 0.036 cfs rounded to 0.04 cfs

$8.8 \times 0.70 \times 2 \text{ Hp} / [10 \text{ ft lift} + (45 \text{ psi} \times 2.31)] = 0.108 \text{ cfs or } 49 \text{ gpm}$

Permit allowed = 0.08 cfs for irrigation for 2.5 acres

I am recommending 0.04 cfs for irrigation use, since it meets the standard for Administrative Processing Memorandum #17.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.2 \text{ acres} \times 3.0 \text{ af/acre} = 3.6 \text{ acre-feet}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \text{ cfs} \times 214 \text{ days} \times 1.9835 = 8.5 \text{ acre-feet}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3.6 \text{ acre-feet}$$

2. Volume Calculations for Other Uses:

N/A

G. PURPOSE OF USE

Irrigation ☒ Y ___ N # Stock _____ Domestic # of Homes _____

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 authorized a water use from Pend Oreille River for the irrigation of 2.5 acres of ground. The shape file supplied in the permit file clearly includes roads, the home, and outbuildings. Once the outbuildings and driveways/roads are removed, there is only 1.2 acres of irrigated land.

The property has been included as being served by SWSC in water right number 96-8812. I believe the in-house use is still being served by the SWSC water rights.

A condition on the permit requires a fish screen be installed. The permit holder stated on the Statement of Completion for Submitting Beneficial Use form that a fish screen was installed and met the requirements of the permit.

Conditions X15, X16, R66, and 004 should be carried forward to licensing. No further conditions are required for the licensing of this permit.

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>
Irrigation	04/01 to 10/31	0.04 CFS	
<u>Totals:</u>		0.04 CFS	

PLEASE NOTE: A volume limitation of 3.6 acre-feet is standard, but Idaho Administrative Rule IDAPA 37.03.02.035.j provides that irrigation from a spring or stream is exempt from volume reporting requirements.

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: < >

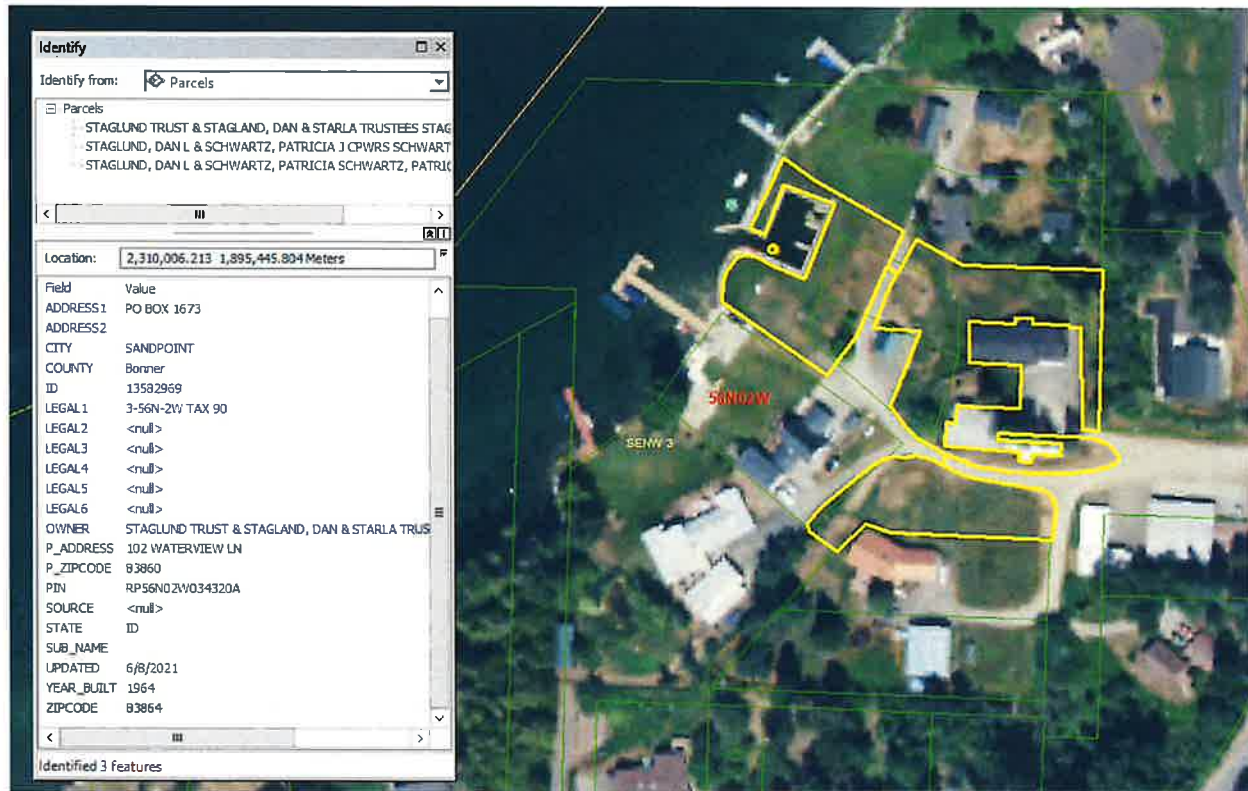
J. AUTHENTICATION – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name  Date 5-12-2022

Reviewer  Date 5/16/22

Field Exam Map:

The yellow border shows the place of use for the domestic use and the yellow point shows the point of diversion. The parcel boundaries are shown in green and in the Bonner County Parcel maps below. You can see the home with the grey roof in the eastern (larger) tax parcel. The imagery below is the 202 NAIP imagery.



Bonner County Map.

The maps below shows that 2 of the 3 properties involved in this permit are owned by Dan L. Staglund and Patricia Schwartz and the 3rd property is owned by Staglund Trust with Dan and Starla Staglund was trustees.



04/25/2016

SOUTHSIDE WATER & SEWER
 Meter Reader's List
 From 41 South to Zimmerman Terresa L
 Active and Inactive

*This page comp
 From Field Report p. 7
 For WATER Right 96-9812
 FOR SOUTH SIDE WATER & SEWER.*

Account	Customer Name / Meter Serial #	Address	Service	Reading
0015 Active	Rothrock Wallace F & Lolly	2519 Lakeshore Drive	WATR - Prev: 2288000	
0104 Active	Rottweiler Nancy Joan	Lakeside Place-Lot 1 404 Hawkins Road	WATR - Prev: 767000	
0186 Active	Saied Rahat	Buck Run Blk 2 Lot 6 259 Buck Run	WATR - Prev: 2216000	
0209 Active	Sandaker Allen & Dayle	BR Blk 1 Lot 5 238 Buck Run	WTR2 - Prev: 468000	
0042 Active	Schaudt William T.	7 Hubbard Lane	WATR - Prev: 572000	
0159 Active	Schlehuber Mike	Lakeside Place Blk 1 Tax 2 26 Harbor View Drive	WATR - Prev: 3050000	
0066 Active	Schmidt Thomas & Erin	Wild Turkey Run 21 Westview Place	WATR - Prev: 2134000	
0038 Active	Shea David & Lindalou	1835 Lakeshore Drive	WATR - Prev: 2941000	
0083 Active	Sheckler Teree W.	650 Lakeshore Drive	WATR - Prev: 832000	
0175 Active	Shumate John & Leslie	Clearwater Blk 2 Lot 2 40 Clearwater Lane	WATR - Prev: 703000	
0146 Active	Silver Dollar LLC	95 Lakewood Dr	WATR - Prev: 915000	
0072 Active	Skrupa Carlo	RP56N02W032465A 881 Lakeshore Drive	WATR - Prev: 1444000	
0075 Active	Slaveck Mary	794 Lakeshore Drive	WATR - Prev: 1567000	
0124 Active	Sleep Brent & Tawnie	314 Lakeshore Drive	WATR - Prev: 1149000	
0132 Active	Sleep Brent & Tawnie	Lakeside Place Lots 1&2 231 Lakeshore Drive	SLEW - Prev: 4573000	
0131 Active	Sleep Brent & Tawnie	232 Lakeshore Dr	WATR - Prev: 30000	
0086 Active	Sleeth William & Mary	571 Lakeshore Drive	WATR - Prev: 351000	
0035 Active	Small Richard & Darcey	63 Lakeshore Drive	WATR - Prev: 1112000	
0116 Active	Soelje George	416 Lakeshore Drive	WATR - Prev: 1837000	
0049 Active	Staglund Dan	19 Waterview Lane	WATR - Prev: 7379000	
0050 Active	Staglund Dan	26 Waterview Lane	WATR - Prev: 772000	<i>Same PROPERTY 95 96-9804</i>
0048 Active	Staglund Dan & Starla	RP56N02W034762 A 45 Waterview Lane	WATR - Prev: 589000	<i>DAN 5-12-28</i>
0054 Active	Staglund Dan & Starla	102 Waterview Lane	WATR - Prev: 422000	<i>Same PROPERTY 95 96-9804</i>
0135A Active	Sterling Michael & Patricia	160 Lakeshore Drive	WATR - Prev: 0	
0135 Active	Sterling Michael & Patricia	Old Harford Property 117 Lakeshore Drive	WATR - Prev: 2330000	
0084 Active	Stratton Michael & Kelly	Molyneaux Place Lot 7-11 655 Lakeshore Drive	WATR - Prev: 3688000	
0097 Active	Suarez Carlos & Jackie	83 Olson Road	WATR - Prev: 1172000	
0140 Active	The Lodge At Sandpoint	41 Lakeshore Drive	WLODG - Prev: 5906000	

*PERMIT ATTACHMENT
 96-9804*