

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

A. GENERAL INFORMATIONPermit No: 97-7534

Exam Date: 9/20/2016

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: Daniel Stowe
- Owner of Record Correct? X Y N
- Address of Record Correct? Y N
- If No: Address

Tax lot data shows Daniel J. Stowe the owners of the property.

3. Beneficial Use Fees have been paid: X Y N Receipt No: C0

4. SOURCE TRIBUTARY

Spring

Sinks

Method of Determination: GIS, Google Maps, and Taxlot Data Please Note: There is a lane/slash dirt road that leads up to an area where the spring is located, and there does appear to be some type of structure at this location. I believe this area to be the spring location.

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 right 97-4028 is a statutory claim that states it is located in Government Lot 1, which is north of Priest River, but uses the 40 acre tract designation south of Priest River. I couldn't find any parcels in the name of the folks that filed 97-4028, so I think this water right has been forgotten or never existed. Water rights 97-7013 and 97-7291 also appear to overlap this place of use, but they are also on the north side of Priest River, and there is no evidence of water ever being delivered to the south side of the river by these two water rights.

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 water rights in this entire section, and this permit is the only point of diversion in the general area.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Spring			NW	NW	8	59N	4W	B.M.	BONNER
								B.M.	
								B.M.	

Method of Determination: GIS, Google Earth, and Tax Lot data. There is clearly a road to the area designated as the point of diversion, and what appears to be a small structure in the area also. The road leading to this area is a dirt road/track that runs up to this area, so I am reasonably convinced that this is the location of the spring and the small structure is probably a small spring house. The owner also supplied what appears to be a map from the Idaho Department of Lands showing the spring location, so I am guessing that Idaho Department of Lands has verified the spring location as part of their permitting process.

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	
59N	4W	5										D							
		Lot #										3							
Total Acres =																			

Method of Determination: GIS and Tax Lot Data

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
Spring	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:

A theoretical calculation was not used on this permit, since there probably isn't a pump. I assume that the spring is gravity fed to the home through an above ground plastic pipe due to the distance and topography of the area.

Administrative Processing Memorandum #22 allows = 0.04 cfs per home

Permit allowed = 0.04 cfs

I am recommending a diversion rate of 0.04 cfs as is standard for domestic uses.

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 Memorandum #22 allows 1.2 af for in-house use and up to ½ acre of yard irrigation. I am recommending the 1.2 af for this permit.

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. The permit includes both Idaho Department of Lands and the homeowner as the owners of the permit. I believe the Idaho Department of Lands has verified the point of diversion as part of their permitting process. The map supplied appears to have been created by the Idaho Department of Lands. The home has been in place prior to 1998, so there is no question that a domestic use has been developed.

Conditions 2(X01), 3(187) and 4(004) will be carried over to licensing. The remaining conditions will be removed. There doesn't appear to be a need for any additional conditions.

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

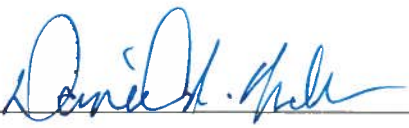
2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above ___ None

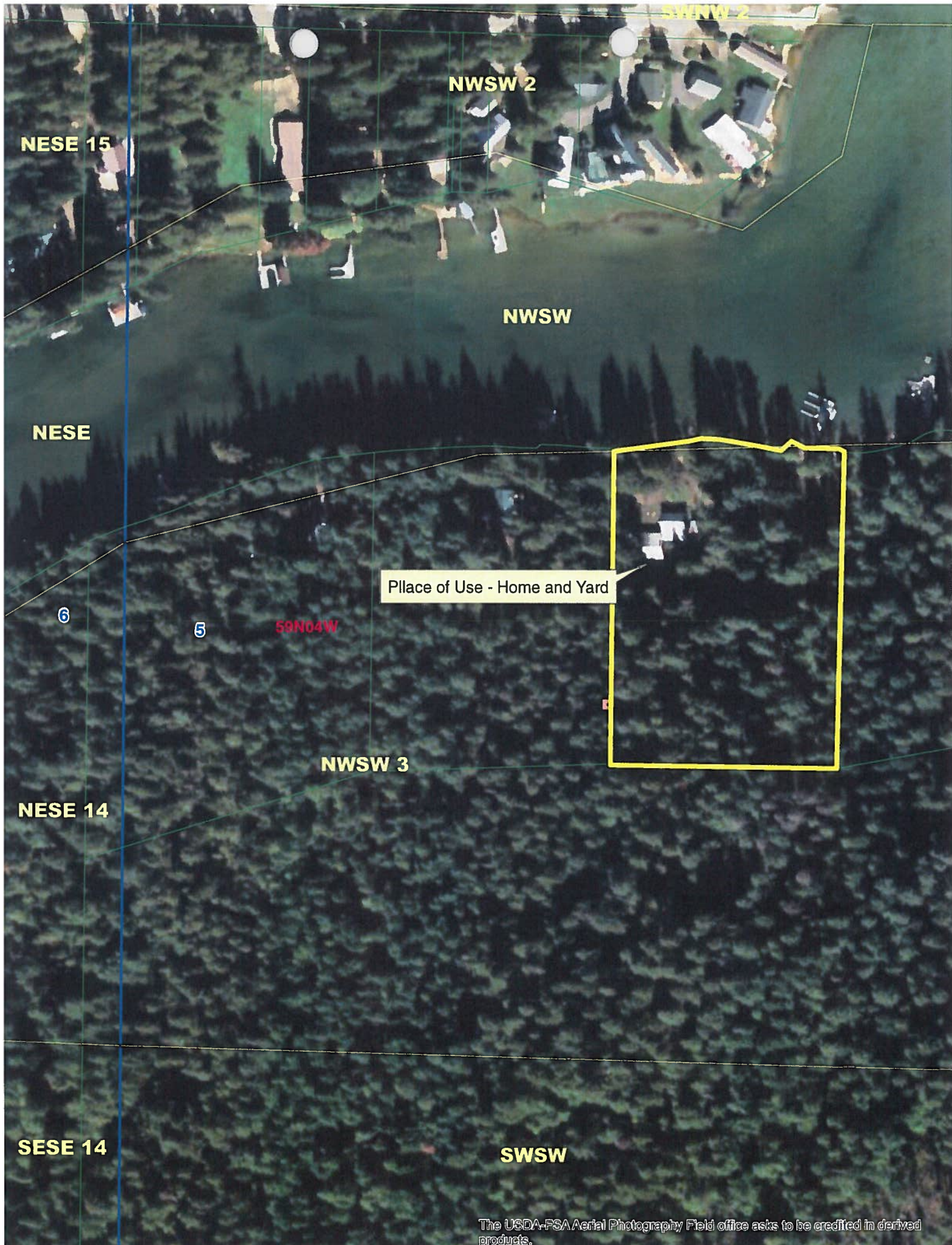
___ Change P.U. as reflected above ___ Add P.U. as reflected above ___ None

Other: < >

J. AUTHENTICATION – DANIEL A. NELSON – STAFF HYDROLOGIST

Field Examiner's Name  Date 9-20-16

Reviewer _____ Date _____



NESE 15

NWSW 2

SWNW 2

NWSW

NESE

Place of Use - Home and Yard

6

5

59N04W

NWSW 3

NESE 14

SESE 14

SWSW

SWSW

5

Point of Diversion with what
looks like a small structure.

NWNW

59N04W

8