

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

A. GENERAL INFORMATIONPermit No: 77-14374Exam Date: 7/6/2022

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: Denise M. Nuxoll
Owner of Record Correct? X Y N
Address of Record Correct? Y N
If No: Address

The Department's parcel data shows Denise M. Nuxoll as the owner of the property. The Idaho County maps doesn't provide the owner's name, so I did not include the Idaho County data. Ms. Nuxoll did provide a copy of the Quitclaim Deed showing she is the owner of the property,

3. Beneficial Use Fees have been paid: X Y N Receipt No: C113209

4. SOURCE**TRIBUTARY**

Spring

Sinks

Method of Determination: GIS and Tax Parcel 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

Comments: There are other rights in the area, but none of those rights are shown 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 other rights in the area. These springs appear to be in the same drainage, but there are no other springs at the same location as this spring. It appears as though there is a bank of springs in this drainage that may or may not be associated.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
	1	SW	SW	NE	27	26N	8E	B.M.	Idaho
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Parcel DataChange in POD? X N Amendment Required? X N**2. PLACE OF USE:** Use: Domestic and stockwater

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
26N	8E	27								D	D								
		Lot #																	
Total Acres =																			

Method of Determination: GIS and Tax Parcel Data PLEASE NOTE: A portion of the property is in the Mineral Survey 1416. It does appear a portion of the property could be slightly over the Mineral Survey border. The tax parcel goes is in both the SENW and the NESW.

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

Please Note: The application did not provide adequate information to determine if the spring water was being pumped or gravity fed through the system. The spring is between 40 and 80 feet of elevation difference, which would equate to 17 to 35 psi, which would be adequate for this cabin use. This is a remote area without power lines, so the only other option would be a solar powered pump. Either way, there should be adequate water for a cabin of this type.

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 to determine the flow rate from the spring. Therefore, I am required to fall back on the standard for domestic use set forth by Administrative Processing Memo #22. The application for permit states that there will be one home with up to ½ acre of yard irrigation.

Administrative Memo #22 = 0.04 cfs for domestic use.

Permit allowed = 0.04 cfs for domestic use

I am recommending 0.04 cfs for domestic use based Administrative Processing Memorandum #22 and on the limits imposed by the permit.

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 acre-feet for in-house use and yard irrigation.

This permit has a condition that limits the domestic use to 13,000 gpd. Therefore, no volume is required for this permit.

G. PURPOSE OF USE

Irrigation ___Y___N # Stock _____ Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ___Y___N

Method of Determination: Tax parcel data, GIS, and application for permit.

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 for a spring. As mentioned above, there are a number of rights within the same draw. The topographical maps don't show any streams or water ways in the general area. There are several springs shown on the topographical maps in the general area, so it is safe to assume that the spring associated with this permit is reasonable.

The applicant supplied a copy of the special use permit for this water system. It appears from the documentation that this water right has been authorized by the US Forest Service.

The special use Authorization Exhibit A map in water right 77-14369 shows the spring and pipeline for this permit. This line is labeled as the Edmondson Waterline. I am assuming this was a special use permit authorization for a different owner. In the special use permit authorization supplied in this application, there is a portion of the approval that clearly states that the authorization cannot be passed onto any future owner. It appears each owner must file for their own authorization.

Conditions X01, 187, 071, X60, F22, 004, and 199 should be carried forward to licensing. Condition 121 should be changed to condition 103 as is standard. 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>
Domestic	01/01 to 12/31	0.04 CFS	
<u>Totals:</u>		0.04 CFS	

Please Note: A volume is not required, because condition 071 limits the volume to 13,000 gallons per day, so no volume is needed.

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 7-6-22

Reviewer  Date 7/6/22

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.

