

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

A. GENERAL INFORMATION

Permit No: 96-9529

Exam Date: 12/16/2015

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- a. Irrigation of 5 acres or less
- b. Storage of up to 14.6 AF for stockwater purposes only
- c. X **Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less**
- d. Other < >
2. Current Owner: Name: Lee Andring and/or Teresa Andring
 Owner-of-Record Correct? ☒ Yes ☐ No
 Address-of-Record Correct? ☒ Yes ☐ No
 If No: Added email address

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: C101284

4. SOURCE**TRIBUTARY**

Cocolalla Lake

Cocolalla Creek

Method of Determination: Application map along with aerial photography and GIS of POU.

Change in Source: ☐ Yes ☒ No**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: Domestic water rights 96-9554 and 96-9555 are the only two other water rights in the QQ. They are both owned by Scott Perchynski and are associated with a lot located to the south of this permit.

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments: Water right 96-9555 has a point of diversion from Cocolalla Lake however it is south of this permit and is not shared.

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

Source	Govt. Lot	¼	¼	¼	Sec.	TWP	RGE		County
Cocolalla Lake	8		SW	SE	6	55N	02W		Bonner

Method of Determination: The legal description in the permit is validated by PLS data and aerial photography. The POD is located in the Cocolalla Lake.

Change in POD? ☐ Yes ☒ NoAmendment Required? ☐ Yes ☒ No

2. **LOCATION OF PLACE(S) 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	
55N	02W	6															X		
																	L8		

Method of Determination: Application map, aerial photography, GIS – The mapping and photography does appear to show part of the associated taxlot over the QQ line and into the L9 (NESE) however it also appears that the taxlot information combined with the aerial photography has shifted slightly north and east. The Place of Use should remain in the original PLS location as this shifting of the PLS does not appear to be accurate with landmarks in the photography.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

3.

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
The pipe size is unknown.

☒ 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
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

2. Measurements: In-office field exam. No measurements taken

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Rate Calculation for Domestic
Theoretical calculation = 0.04 cfs (see attached)
According to processing memo #22, a standard rate of flow for 1 house is 0.04 cfs
Permit allowed 0.04 cfs
License recommended for 0.04 cfs.

F. VOLUME CALCULATIONS

Volume Calculations for Domestic:
According to processing memo #22, domestic use for in-house and yard irrigation can have up to 1.2 AF of annual water use.
License recommended for 1.2 AF for this permit.

G. PURPOSE OF USE

Irrigation ☐ Yes ☒ No # Stock _____ Domestic # of Homes 1 home
Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.
If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Permit 96-9529 qualifies for an in-office license exam as it is for a small diversion rate (0.04 cfs) for domestic use at 1 home.

The taxlot associated with the place of use is owned by William Andring and Teresa Andring according to information updated on 3/12/2015 by Bonner County.

There are no direct overlaps with the place of use or point of diversion associated with this permit.

As there is not a condition limiting the volume of this domestic use, an annual volume should be listed on the license.

Two mapping sources were used to identify the house associated with the permit. Google Earth was used to cross reference 2015 preliminary imagery that shows a roof structure in the trees on the property. The Google Earth image that was used to cross reference our mapping tools is attached.

Conditions; the condition related to combined limitations with Water Right 97-7516 should be removed as this condition may have been added in error. Water right 97-7516 is located in a different township and range and is not located near this permit. Conditions 004, X01, and 187 should be carried over to licensing. Condition X15 related to fish screening should be carried over to licensing as this in-office exam is unable to verify had appropriate fish screening. Condition X60 should be added as clarification of lot location within a subdivision.

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	1.2 AF

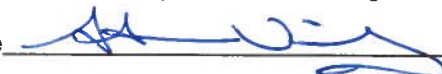
2. Recommended Amendments

☐ 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 ☐ Other

Other: < >

I. AUTHENTICATION – Steven Visosky, Water Resource Agent

Field Examiner's Name  Date 12/16/15

Reviewer  Date 12-17-15

Attachment to in-office field exam report 96-9529

Map created by Steven Visosky December 16, 2015



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections
- Taxlots
- Quarter Quarters

0 0.02 0.04 0.08 Miles





Google earth

feet 200
meters 60



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 96-9529
 Reviewer: Steven Visosky
 Date of Review: 12/16/2015

P/D No.:

	Well #1	Well #2	Well #3	
PUMP HORSEPOWER	0.75	0.75	0.75	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	10	10	10	
DISCHARGE PRESSURE	40	50	60	
RATE OF FLOW (cfs)	0.05	0.04	0.03	0.04
	20	17	14	16.91

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

A standard sized pump for smaller domestic diversions is a 3/4 HP pump. Assuming a lift of approximately 10' from the lake to the house with a standard discharge pressure of 50PSI, a standard pump could reasonably pump 0.04 CFS producing 17 GPM. Given this information, a standard size pump would not limit the diversion rate of this permit.

Process	Basin Sequence	Owner	Source	POD/ POU	SWSE	Overlap review for license
Water Permit	96-9529	ANDRING, LEE; ANDRING, TERESA	COCOLALLA LAKE	POD	X	Permit under review
Water Permit	96-9529	ANDRING, LEE; ANDRING, TERESA	COCOLALLA LAKE	POU	X	Permit under review
Water Right	96-9554	PERCHYNSKI, SCOTT	GROUND WATER	POD	X	Domestic water right from Groundwater south of permit
Water Right	96-9554	PERCHYNSKI, SCOTT	GROUND WATER	POU	X	Domestic water right from Groundwater south of permit
Water Right	96-9555	PERCHYNSKI, SCOTT	COCOLALLA LAKE	POD	X	Domestic from Cocolalla Lake- South of permit
Water Right	96-9555	PERCHYNSKI, SCOTT	COCOLALLA LAKE	POU	X	Domestic from Cocolalla Lake- South of permit

Beneficial Use Proof Evaluation

Permit Number: 96-9529 Reviewer: dblock Review Date: 12/14/2015

Acceptability

- 1) Is the contact on the request the current permit holder? Yes
- 2) Does the address of record need to be updated? Yes
- 3) Proof Submitted Date: 12/11/2015
- 4) Proof Due Date: 1/1/2016
- 5) Days added for weekend due date?
- 6) Days added for holiday due date?
- 7) Number of days late: -21
- 8) Proof received timely? Yes

Analysis

- 1) Are the water uses correct? Yes
- 2) Is a measuring device required? No
- 3) Is a measuring device installed? No
- 4) Is a measuring device waiver requested?
- 5) Drilling Permit Number:
- 6) Is a drilling permit upgrade needed?
- 7) Was a well drillers report filed?
- 8) Is proof accepted? Yes

Fees

- 1) Is a licensing exam fee required? Yes
- 2) Was proof submitted with an exam report from a CWE? No
- 3) Filing fee due: \$50.00
- 4) Filing fee submitted: \$50.00
- 5) Remaining fee or (refund): \$0.00

Receipt IDs

N030208, C101284

Comments

Proof deemed acceptable. Gave file to water right agent for in-house license review. Water right agent will enter the proof made date in AdHoc at the time of licensing. Installation of a fish screen at the POD is questionable.