

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 79-7272

Exam Date: 8/22/2012

1. Current Owner: DON VOGEL
1009 GRELLE AVE
LEWISTON ID 83501
(208)746-9590

AND

VICKI VOGEL
1009 GRELLE AVE
LEWISTON ID 83501
(208)746-9590

2. Accompanied by: Don Vogel
Phone No: Same
Address: Same
Relationship to Permit Holder:

3. **SOURCE**

SALMON RIVER

TRIBUTARY

SNAKE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 79-10405, 79-4426
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SALMON RIVER

L3 NE1/4SW1/4NE1/4

Sec. 24, Twp 31N, Rge 03W, B.M.

LEWIS County

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
31N	03W	24			X														
					L 3														

FIRE PROTECTION same as DOMESTIC

Method of Determination: Arc Map (Aerial Photo)

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
N/A	Unknown	2		Gould	(2")

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
5-gallon bucket						

2. Measurements: 5 – gallon bucket. Measured flow of 30 gpm (0.07 cfs).

E. FLOW CALCULATIONS☐ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 2/100 + (2.31 \times 30) = 12.32/169.3 = 0.07 \text{ cfs}$$

$$Q(\text{measured}) = 30 \text{ gpm (0.07 cfs)}$$

$$HP = 2$$

$$Z = 100' \text{ (Estimated)}$$

$$P = 30 \text{ psi (Assumed)}$$

Appears that the pumping system can attain the permit beneficial use diversion rate of 0.04 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 =$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: (Domestic Internal - 1 home)

$$V(\text{Domestic Internal}) = 0.6 \text{ AFA}$$

G. NARRATIVE/REMARKS/COMMENTS**WATER SUPPLY SYSTEM:**

A 2-hp submersible pump, located on the north bank of the Salmon River, pumps water to two large storage tanks. Water is conveyed through a 2" poly pipe supply line to a buried 4,000 gallon and 1,200 gallon fiberglass water storage tanks. The water storage tanks are located westerly of the point of diversion and approximately 100 feet above the Salmon River.

A spring, located westerly of the home and water storage tanks, is used to fill the 4,000 gallon water through the month of June. Spring water is delivered through 1" PVC pipe to the 4,000 gallon water storage tank. By July, the spring has dried up. At this time, the 2-hp submersible pump in the Salmon River is used to fill the water storage tanks.

DOMESTIC USE:

Water from the 4,000 gallon fiberglass water storage tank is discharged through a section of 1" PVC pipe to the home. The water is delivered to the bathrooms to operate the toilets and showers in the home.

FIRE PROTECTION:

The 4,000 gallon and 1,200 gallon buried fiberglass storage tanks are available for fire suppression.

OVERLAP ANALYSIS:**Place of Use:**

Decreed Water Right 79-4426, with a water source from an unnamed stream, and decreed Water Right 79-10405, with a water right from a spring, supply water for domestic use for the same home as Water Right Permit No. 79-7272.

Have conditions of permit approval been met? ☒ Yes ☐ No

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.04	&/or	N/A
Beneficial Use Limit	0.04	&/or	N/A
System Measurement	0.07	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.04	&/or	N/A

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	1/01 to 12/31	0.040 CFS	0.60 AFA
FIRE PROTECTION	1/01 to 12/31	0.040 CFS	
<u>Totals:</u>		0.040 CFS	0.60 AFA

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

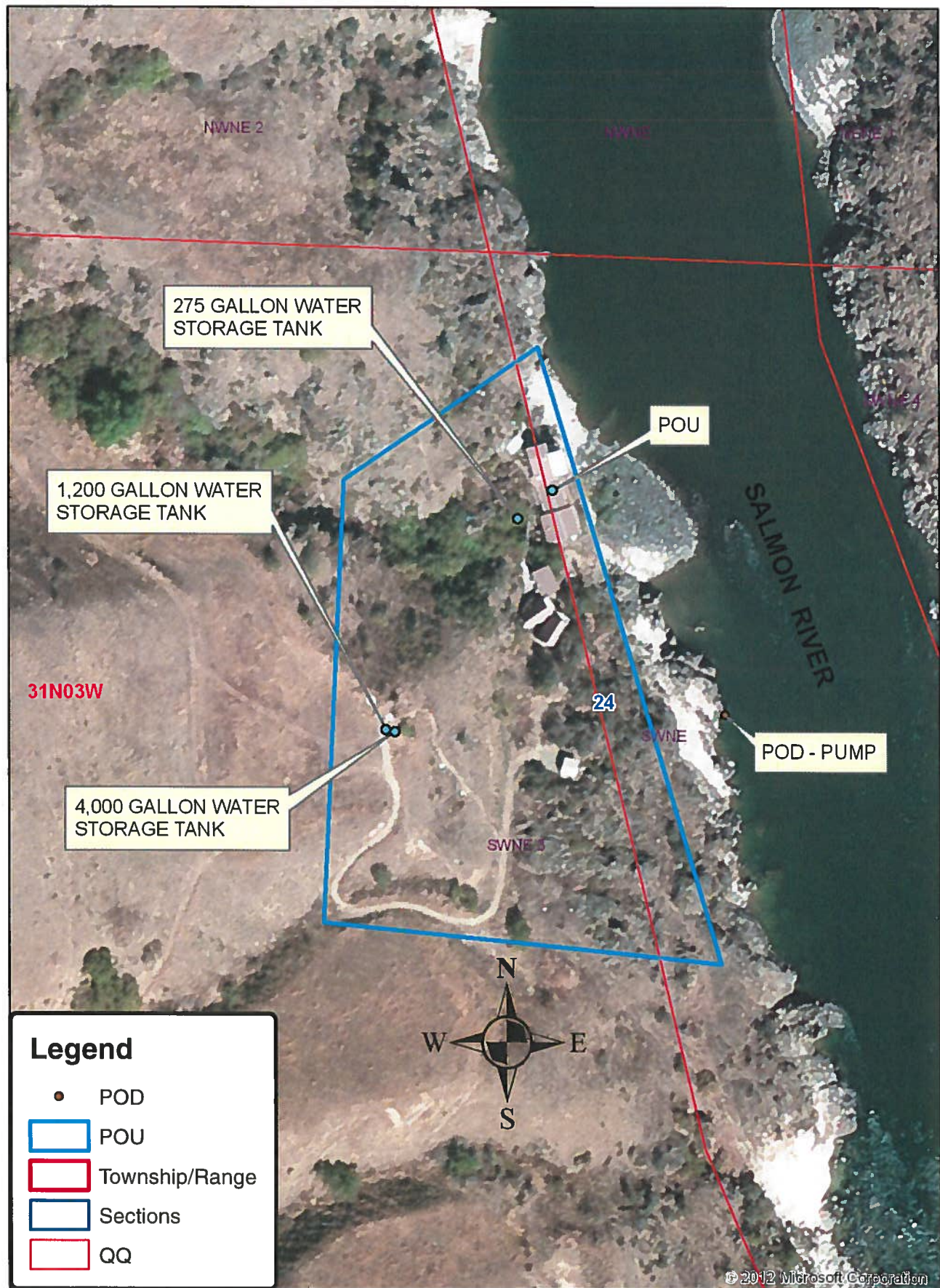
I. AUTHENTICATION

Field Examiner's Name Lick Collingwood Date 12/26/12

Reviewer _____ Date _____

79-7272
Gov't. Lot 3

BING AERIAL PHOTO - 2011

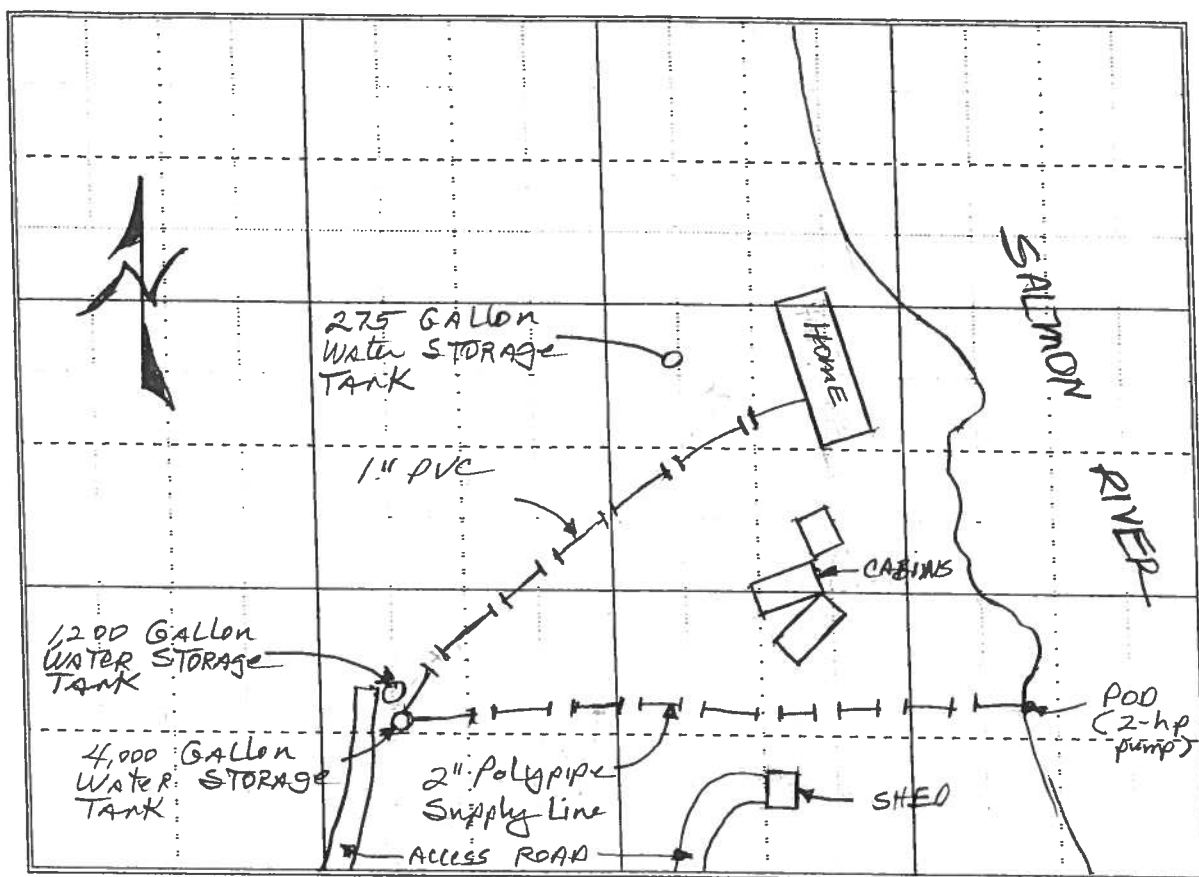


Legend

- POD
- POU
- Township/Range
- Sections
- QQ

0 40 80 160 240 320
Feet

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☐ see attached.



Scale: 1" = NTS

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
- ☐ Aerial photo attached (required for irrigation of 10+ acres)
- ☐ Photo of diversion and system attached

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BUREAU OF LAND MANAGEMENT

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DM ID: 39361 Survey Type: [Original Survey](#) Survey Title: [Retracement And Resurvey East And North Boundaries](#) State: [Idaho](#)

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Sheet: 1 Description: —

zoom

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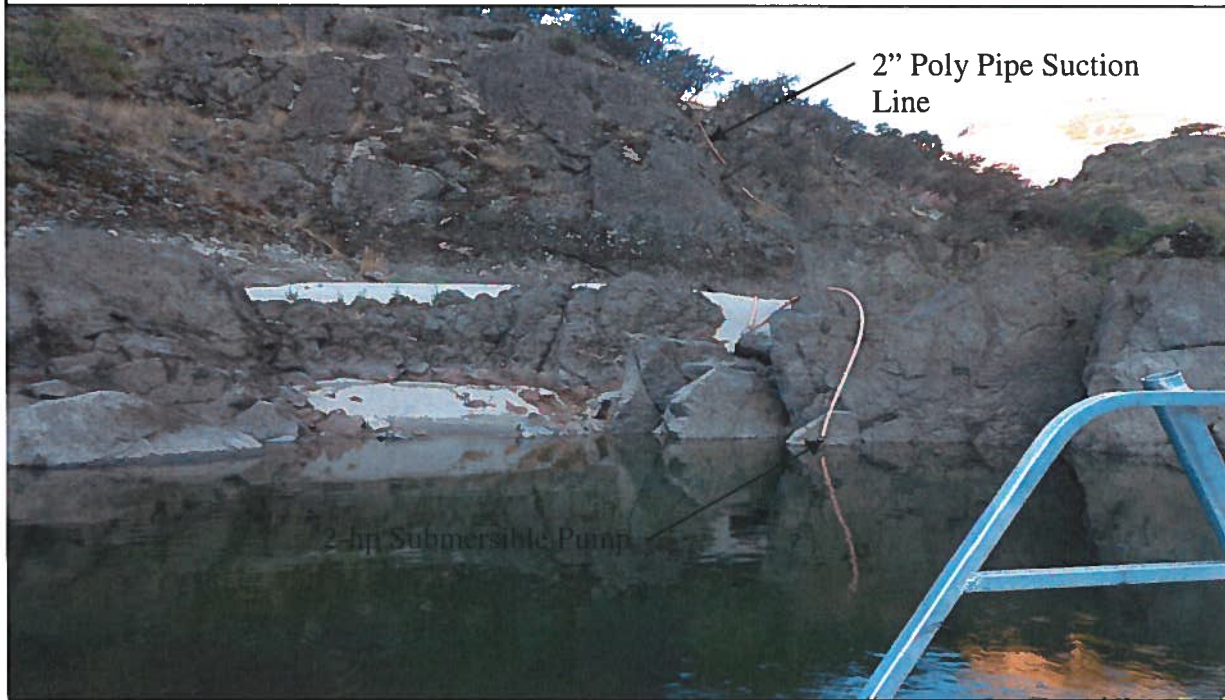
FIELD EXAM PHOTOS

Water Right Permit: 79-7272

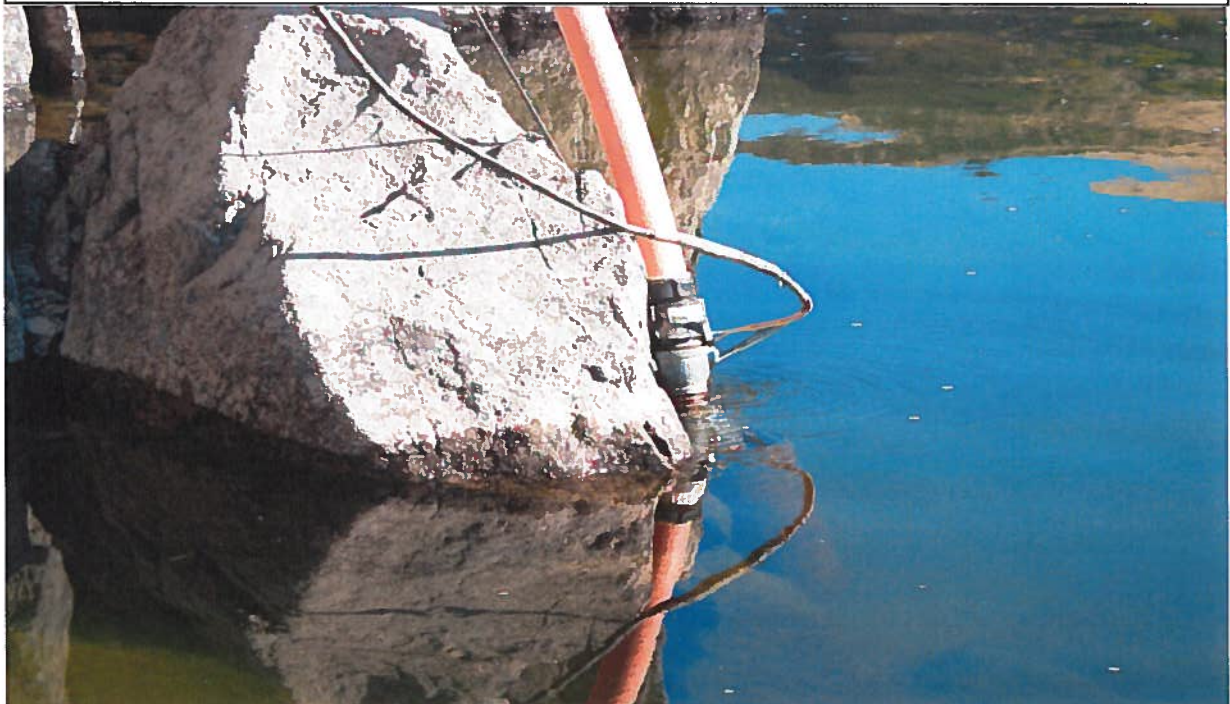
Field Exam Date: 8-22-12

PLS: SW1/4, NE1/4 Section 24, T.31N, R.03W

Field Examiner: RC



Point of Diversion: View northwesterly of location of the 2-hp submersible pump and 2" poly pipe suction line.



Point of Diversion: View of 2-hp submersible pump and the 2" poly pipe suction line located on the north bank of the Salmon River. The pump is placed in a section of steel pipe. Water is pumped to a 4,000 gallon and a 1,200 gallon fiberglass tanks approximately 100-feet above the river.



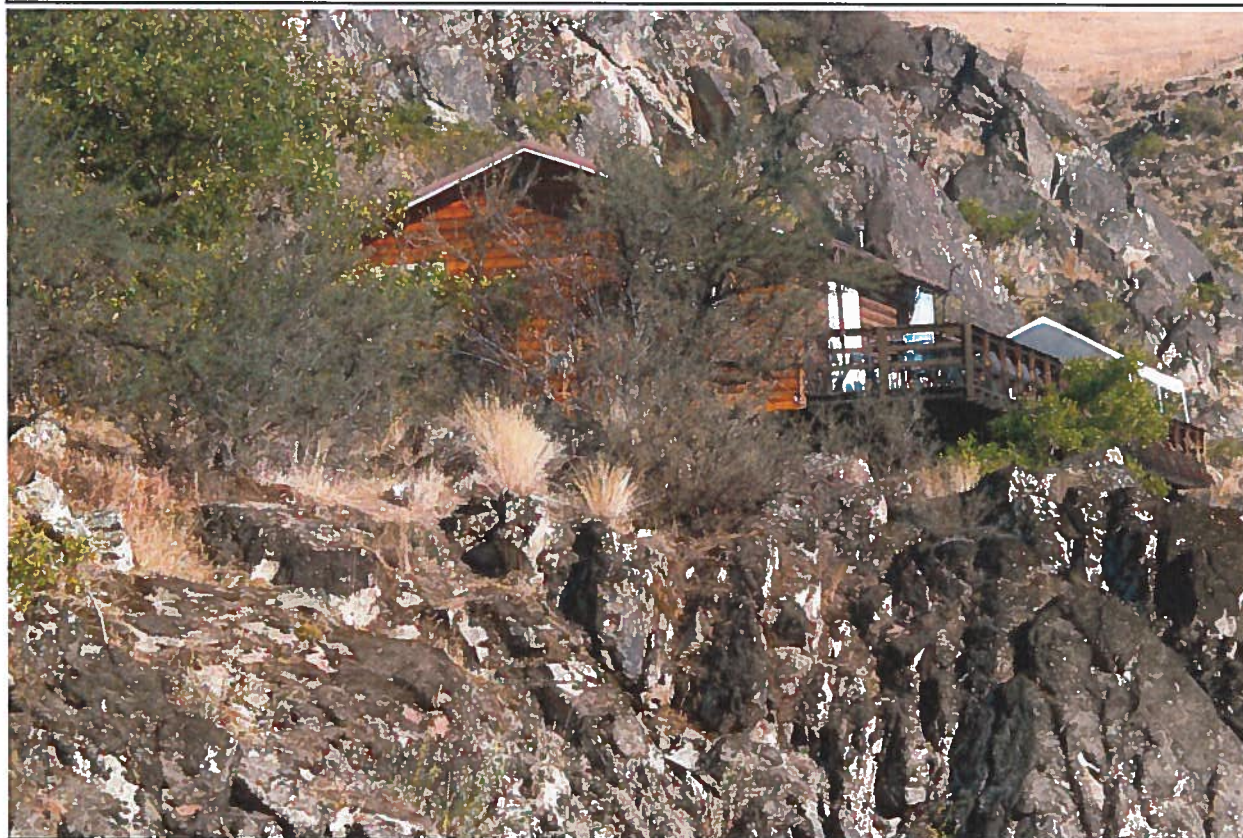
View southeasterly from the location of the 4,000 gallon and 1,200 gallon water storage tanks of a storage building which houses the pump controls.



View of 2" poly pipe suction line to the 4,000 gallon water storage tank. The short section of 2" poly pipe with the control valve is used to release air when filling the water storage tanks. The buried 5-gallon bucket to the right contains a 1" isolation valve. The 1" line from the 4,000 gallon water storage tank provides water to the bathroom of the home for the operation of the toilets and showers.



View of the buried 4,000 gallon water storage tank. The 4,000 gallon and 1,200 gallon water storage tanks are filled manually with the 2" suction line from the Salmon River.



Place of Use: View northwesterly of the home on top of the north bank of the Salmon River.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region, 2735 Airport Way • Boise, Idaho 83705-5082

Phone: (208) 334-2190 • Fax: (208) 334-2348 • Web Site: www.idwr.idaho.gov

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

August 6, 2012

Don & Vicki Vogel
1009 Grelle Avenue
Lewiston, ID 83501

RE: Scheduling Field Exam for Water Right Permit No. 79-7272

Dear Mr. & Mrs. Vogel:

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **on August 29, 30, & 31, 2012**. An examination is needed to verify your water use in order to issue a water right license.

Please be advised that you will need to operate your system under normal operating conditions during the examination. The permit authorizes the diversion of 0.04 cfs of surface water from the Salmon River for domestic use for one home and fire protection.

In order to conduct your exam as efficiently as possible, we ask that you call this office to schedule a day and time convenient for you. **Please call me at 208-334-2190 by August 14, 2012, to conduct the exam on August 29, 30, or 31, 2012.** If there is a problem with scheduling or conducting the examination at this time, please let me know so we can reschedule or make other arrangements.

I appreciate your attention to this matter and I look forward to hearing from you.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive, flowing style.

Rick Collingwood, P.E.
Water Resource Agent, Sr.