

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 2-10357

Exam Date: May 2, 2012

1. Current Owner: BRUCE P ROBINSON
804 RIVER VIEW DR
TWIN FALLS ID 83301
(858) 414-2999

2. Accompanied by: I spoke with Bruce Robinson via telephone a couple of weeks prior to the exam. During the exam I was accompanied by Jeff Cooper (IDWR) and we met Tommy Robinson (Bruce's son) at the site. Tommy showed us around the site and showed us the system.

3. SOURCE
SNAKE RIVER

TRIBUTARY
COLUMBIA RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Unrecorded domestic well on the property. Right 36-7270 allows for irrigation of 1.0 total acre shared amongst 14 lots including the lot associated with this permit.

2. Other water rights with the same point of diversion: None

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

SNAKE RIVER

L9 NE1/4SW1/4

Sec. 31, Twp 09S, Rge 18E, B.M.

JEROME County

Method of Determination: GPS and aerial photography

2.

PLACE OF 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	
09S	18E	31									X	X							
											L 3	L 9							

Method of Determination: GPS and aerial photography

D. FLOW CALCULATIONS

_____Additional Computation Sheets Attached

Measured Method: No measurement was taken since the pump had been removed from the diversion works. Bruce Robinson indicated that last summer, he burned up the 3 hp pump that was part of the system. Therefore, a theoretical calculation was made to estimate the diversion rate for the system...

Theoretical yield:

$$Q = \frac{8.8 \times (Hp) \times (Eff)}{H}$$

Where: Hp = 3 Hp (from conversation with permit holder)

Eff = 70% (assumed)

H = elevation distance + 2.31 x operating pressure (assume elevation difference of 50.0 feet based on field observation and estimate of pumping height and operating pressure of 0.0 psi based on open discharge at water fall).

$$H = 50.0 \text{ feet} + (2.31 \times 0.0 \text{ psi}) = 50.0 \text{ feet}$$

$$Q = \frac{8.8 \times (3) \times (0.70)}{50}$$

Q = 0.37 cfs Rate exceeds permitted amount of 0.04 cfs, therefore use permitted rate of 0.04 cfs

E. VOLUME CALCULATIONS

Not required for 42-111 type domestic uses per new Beneficial Use Examination Rules implemented 3/29/2012.

F. NARRATIVE/REMARKS/COMMENTS

Application for permit 02-10357 was filed on August 31, 2007 for the diversion of 0.04 cfs of water from the Snake River for domestic use. The permit was issued on November 28, 2007, and Proof of Beneficial Use was filed on August 25, 2008.

Earlier this spring, I was able to reach the permit holder, Bruce Robinson, via telephone. During our conversation, we discussed the system. Mr. Robinson indicated that the system consists of a pump at the Snake River that pumps water up a pipeline to a rock outcropping where the water discharges from the pipeline creating an aesthetic water fall feature. He also indicated that he could irrigate from the pipeline to water portions of his property. Mr. Robinson indicated that he had removed the pump (3 hp) from the system, because it burned up last summer. However, he indicated that the rest of the system was still there, and that there was enough of the system there to document that beneficial use had occurred. Mr. Robinson indicated that he would be out of the area for the summer, but that I was welcome to stop by and take a look at the system whenever I wanted.

On May 2nd, Jeff Cooper (IDWR) and I visited the property involved with 02-10357. During the site visit, we met Tommy Robinson (Bruce Robinson's son) who showed us around the system and property. We observed the pumping (point of diversion) location and the pipeline leading up the rock outcropping, the water fall site, and locations where irrigation water could be diverted from the system (see attached photos). The water use is associated with a residence located on Lot 22 of Country Club Estates Subdivision, just above Shoshone Falls. A domestic well, with no recorded water right, on the lot provides water to the property. In addition, spring water diverted under right 36-7270 also serves the property.

One item of note is that this right appears to be in pending Water District 02. Depending on the timing of licensing, appropriate water district conditions may need to be implemented as part of the license.

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

G. 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	0.040 CFS	N/A
<u>Totals:</u>		0.040 CFS	N/A

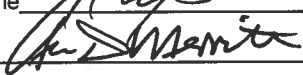
2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

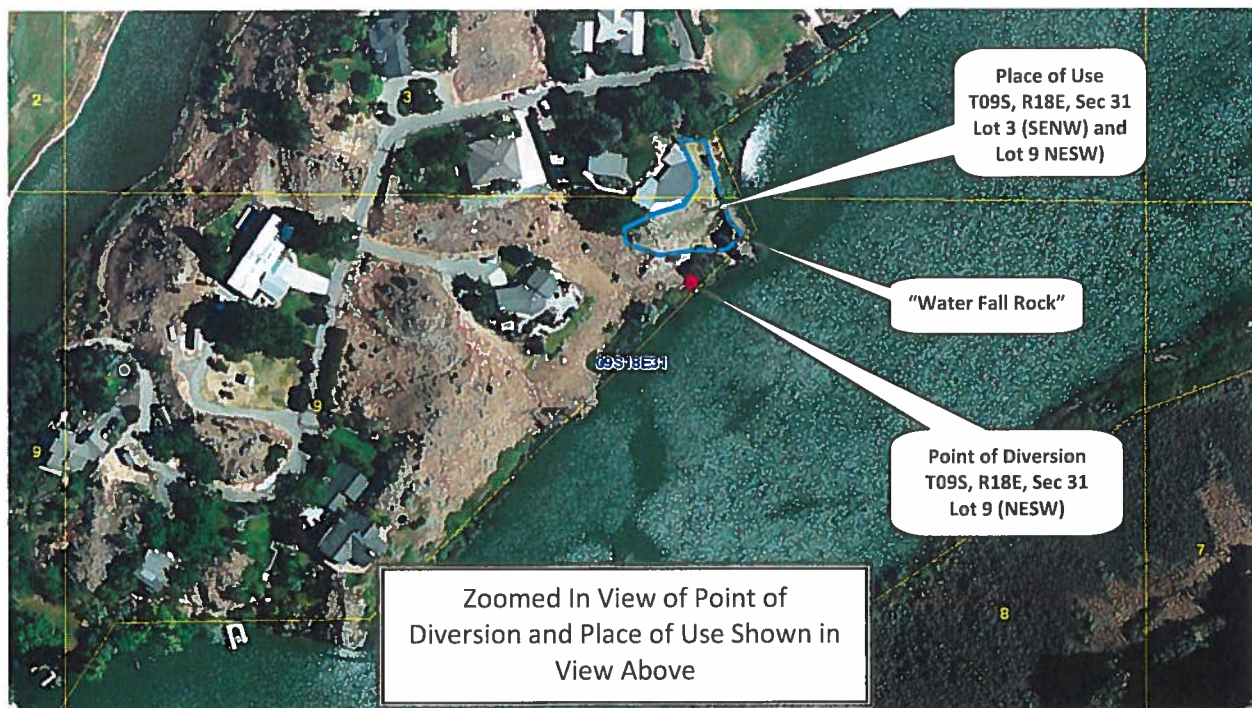
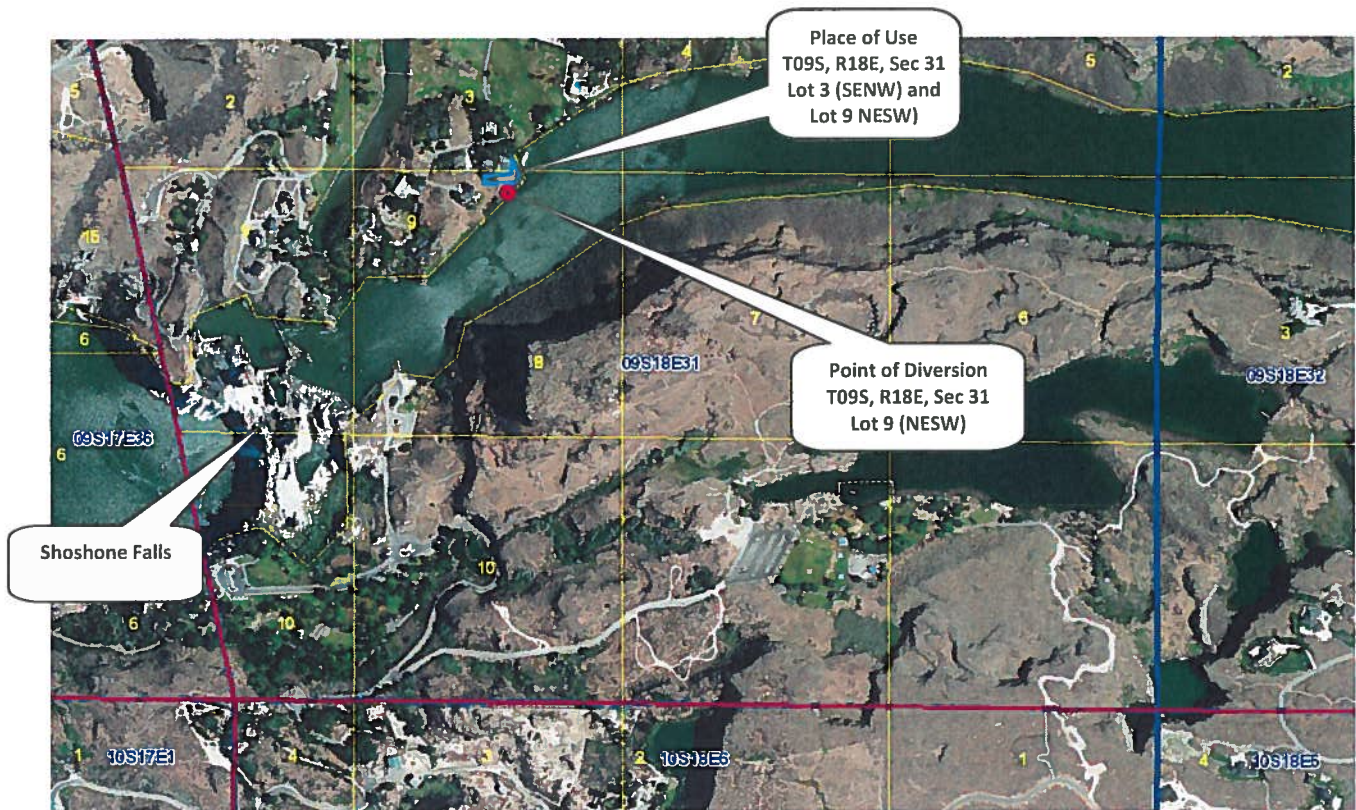
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

H. AUTHENTICATION

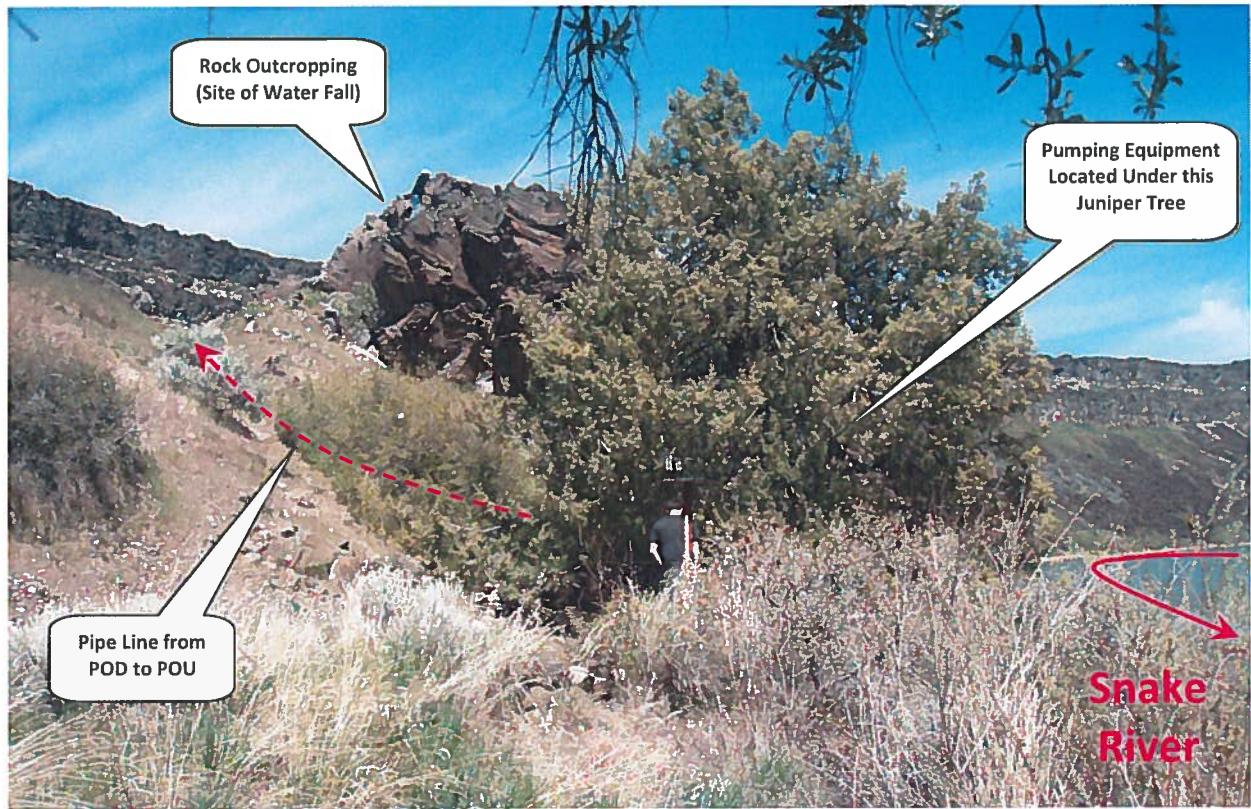
Field Examiner's Name  Date 5/29/2012

Reviewer  Date 5/30/2012

02-10357 Point of Diversion and Place of Use Map (Bing Maps Aerial Photography)

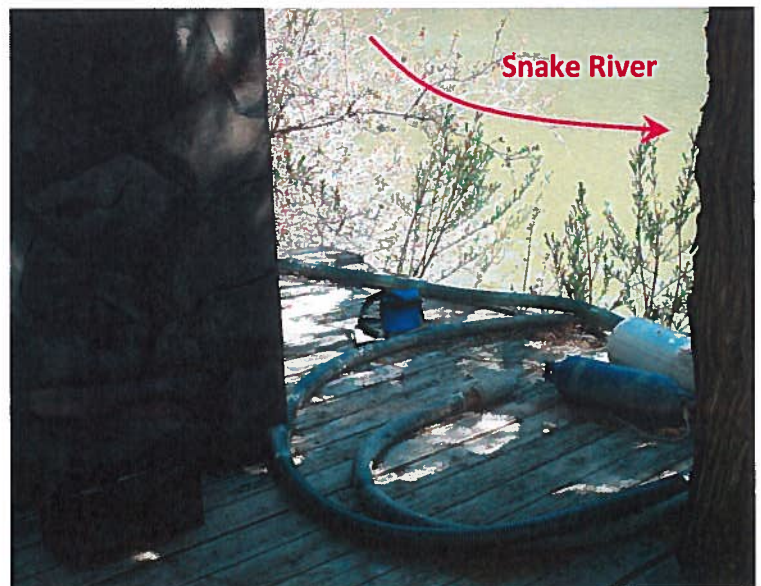
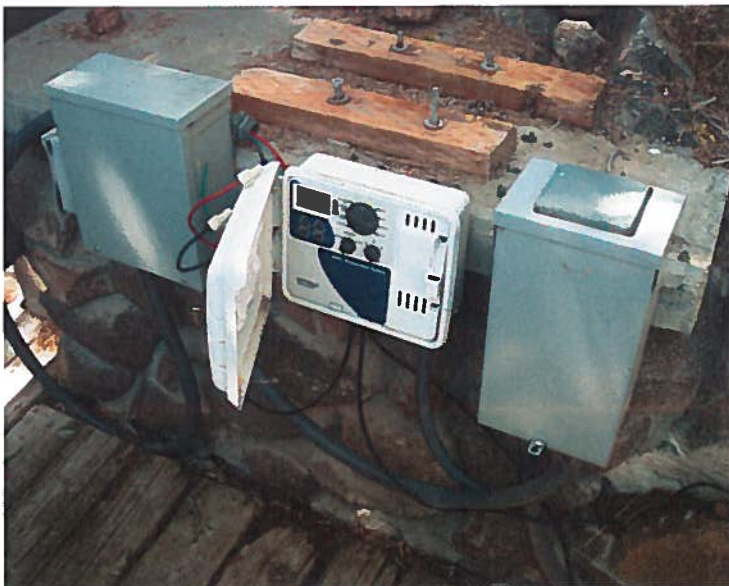


02-10357 Licensing Field Exam Photos

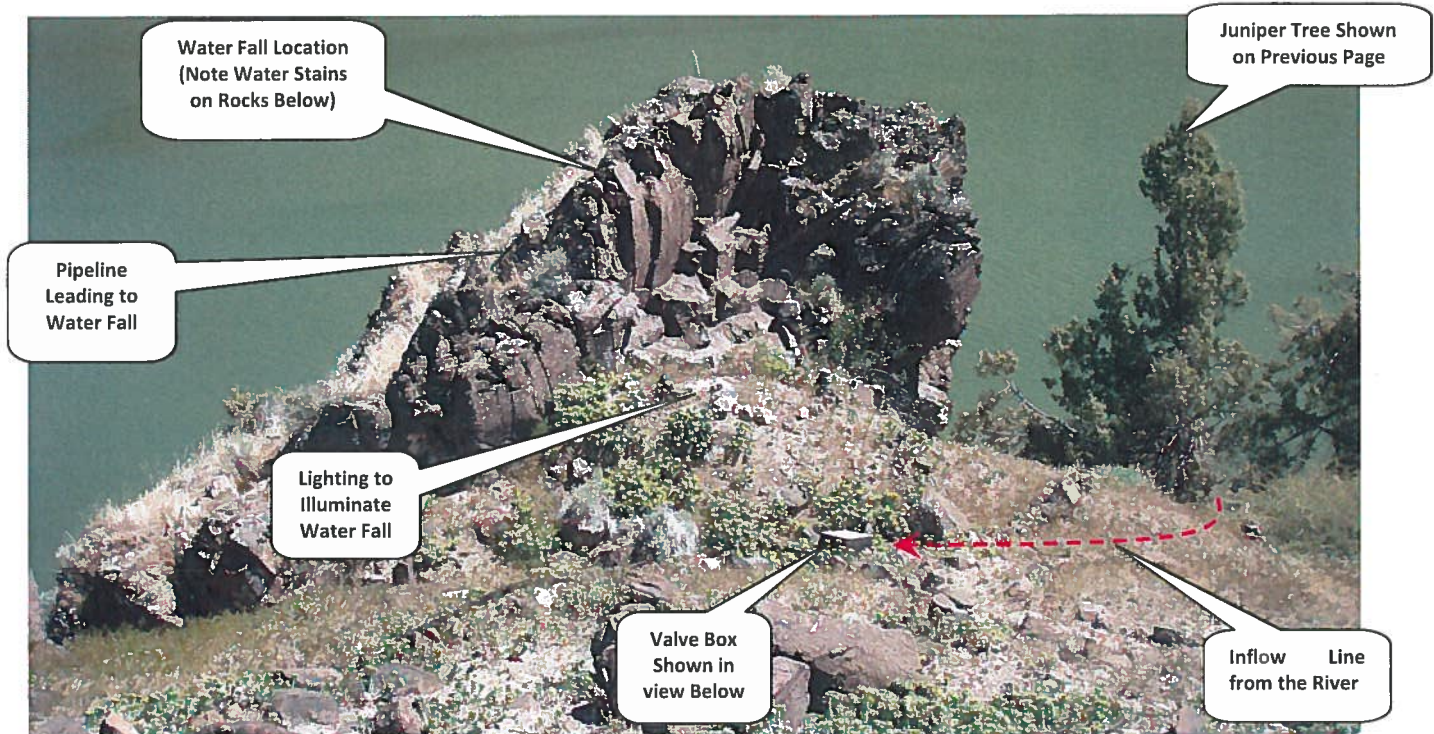


ABOVE: Overall view showing the general location of the point of diversion (pumping station under juniper tree) and place of use (water fall on rock outcropping and irrigation of surrounding area(s)).

BELOW: Views under the juniper tree shown in view above showing various equipment utilized to pump water from the Snake River to the place of use further up the hillside. Note that other than missing pump, the equipment appears to be functional.



02-10357 Licensing Field Exam Photos



ABOVE: View from home on Lot 22 in Country Club Estates looking down towards the Snake River. The location of the valve box (shown in view below) is indicated, along with the location of the water fall on the rock outcropping. The top of the juniper tree above the point of diversion (shown on previous page) is also visible.

BELOW: View of valve box shown in view above showing various pipes leading from the box (to water fall and irrigation place of use).

