

[illegible]

Method of Determination: Arc Map (Aerial Photo); Tax Lots.

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	N/A		N/A	N/A	1 1/4"

*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>
N/A						

2. Measurements: No field measurement. Unable to access the pump vault to obtain a flow measurement.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: (Continuity Equation)

$$Q = VA = 5 \text{ ft/sec} \times 0.0085 \text{ ft}^2 = 0.04 \text{ cfs}$$

$$V = 5 \text{ ft/sec (Assumed)}$$

$$A = 0.0085 \text{ ft}^2$$

Appears that the current water supply system can attain the permit diversion rate.

Recommend the permit 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: N/A

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

A concrete spring box collects water from a nearby spring. Water is discharged through a section of 1 1/4" PVC pipe to a buried 1,000-gallon pump vault.

A unknown sized pump diverts water through approximately 900 lineal feet of 1 1/4" PVC pipe. The spring water is discharged into a pressure tank located in the right holder's shop. The water is used for domestic use for 1 home.

OVERLAP ANALYSIS:

Point of Diversion: Water Right Permit No. 79-14090 and Water Right No. 79-14091 have an overlapping point of diversion. A 1 1/4" flush line from the spring box discharges water to a stock water pond associated with Water Right No. 79-14091.

Place of Use: There are no place of use overlaps for Water Right Permit No. 79-14090.

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	0.04(theoretical)	&/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	01/01 to 12/31	0.040 CFS	N/A
<u>Totals:</u>		0.040 CFS	N/A

2. Recommended Amendments

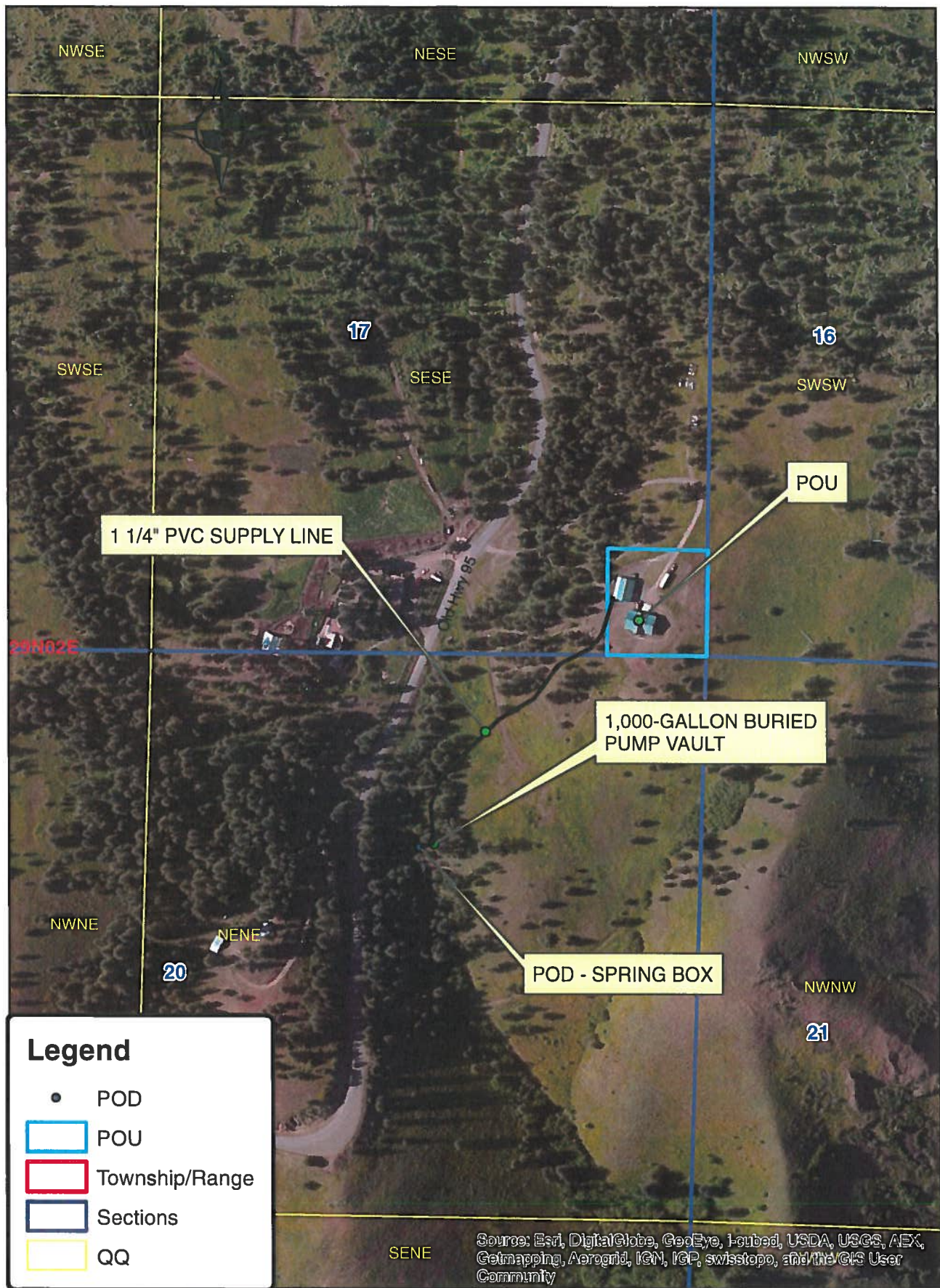
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Lick Collingwood Date 12/23/13
 Reviewer _____ Date _____

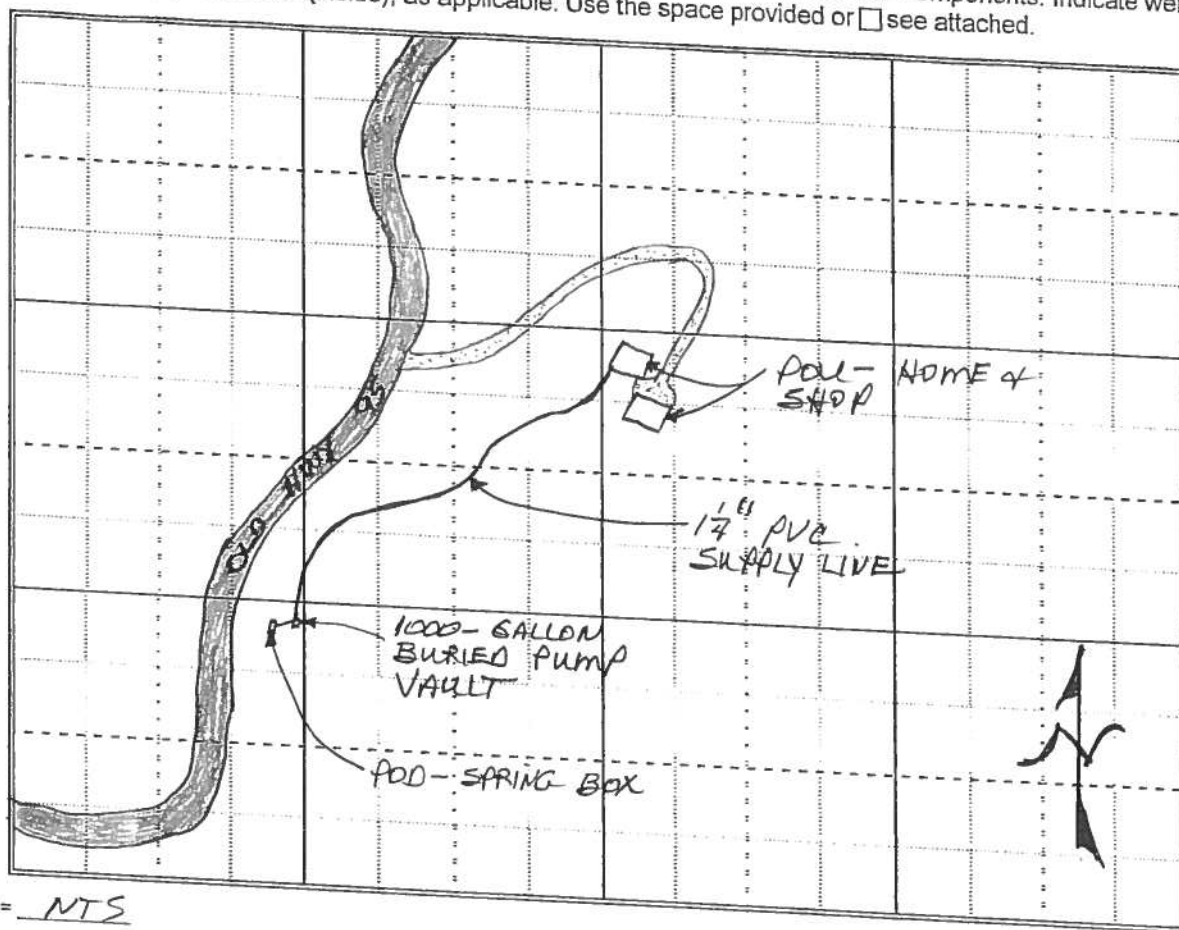
79-14090

ESRI AERIAL PHOTO - 2012



0 110 220 440 660 880 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

FIELD EXAM PHOTOS

Water Right Permit: 79-14090

Field Exam Date: 8-13-13

PLS: SE1/4, SE1/4 Section 20, T.29N, R.02E

Field Examiner: RC



Point of Diversion: View of spring box. Spring water is discharged from the spring box through 1 1/4" PVC pipe to a 1,000-gallon buried pump vault.



Point of Diversion: View inside of spring box and the 1 1/4" PVC pipe which discharges water to a 1,000-gallon buried pump vault. The valve box contains a 1 1/4" valve to allow periodic flushing of the spring box.



View southeasterly of the 1,000-gallon pump vault located near the spring box. A submersible pump diverts water through approximately 900 lineal feet of 1 1/4" PVC pipe to a pressure tank located in a shop near the home.



Place of Use: View westerly of the home and shop served by the spring.



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

July 25, 2013

David Seyer
P.O. Box 635
Grangeville, ID 83530

RE: Scheduling Field Exam for Water Right Permit No. 79-14090

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of August 12, 2013**. 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 from a spring for domestic use for 1 home.

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 2, 2013, to conduct the exam during the week of August 12, 2013.** 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,

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