

[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	Franklin	3/4	Unknown	Diamond	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. Water level dropped significantly in the South Fork of the Payette River where the right holder could not operate his pump.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 0.75/90 + (2.31 \times 30) = 4.62/159.30 = 0.03 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.03 \text{ cfs} > 0.01 \text{ cfs } Q(\text{permit})$$

$$HP = \frac{3}{4}$$

$$Z = 90' \text{ (Estimated)}$$

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

Appears that the current pumping system can attain the permit diversion rate of 0.01 cfs.

Recommend the permit diversion rate of 0.01 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 ¾-hp submersible pump diverts water from the South Fork of the Payette River for irrigation of lawn and landscaping.

IRRIGATION SYSTEM:

The right holder sprinkler irrigates the lawn and landscaping. The 1 ¼" PVC supply line terminates at a lawn spigot. The right holder attaches a hose to the spigot to sprinkler irrigate. The hose contains three (3) sprinklers.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-13801.

Place of Use: Water Right Permit No. 65-13801 and Water Rights 65-12045 and 65-12765, and Water Right Permit No. 65-13625 have overlapping domestic places of use.

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

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.01	&/or	N/A
Beneficial Use Limit	0.01	&/or	N/A
System Measurement	0.03 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.01	&/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	4/15 to 10/15	0.010 CFS	N/A
<u>Totals:</u>		0.010 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 Rick Colingwood Date 1/27/14
 Reviewer _____ Date _____

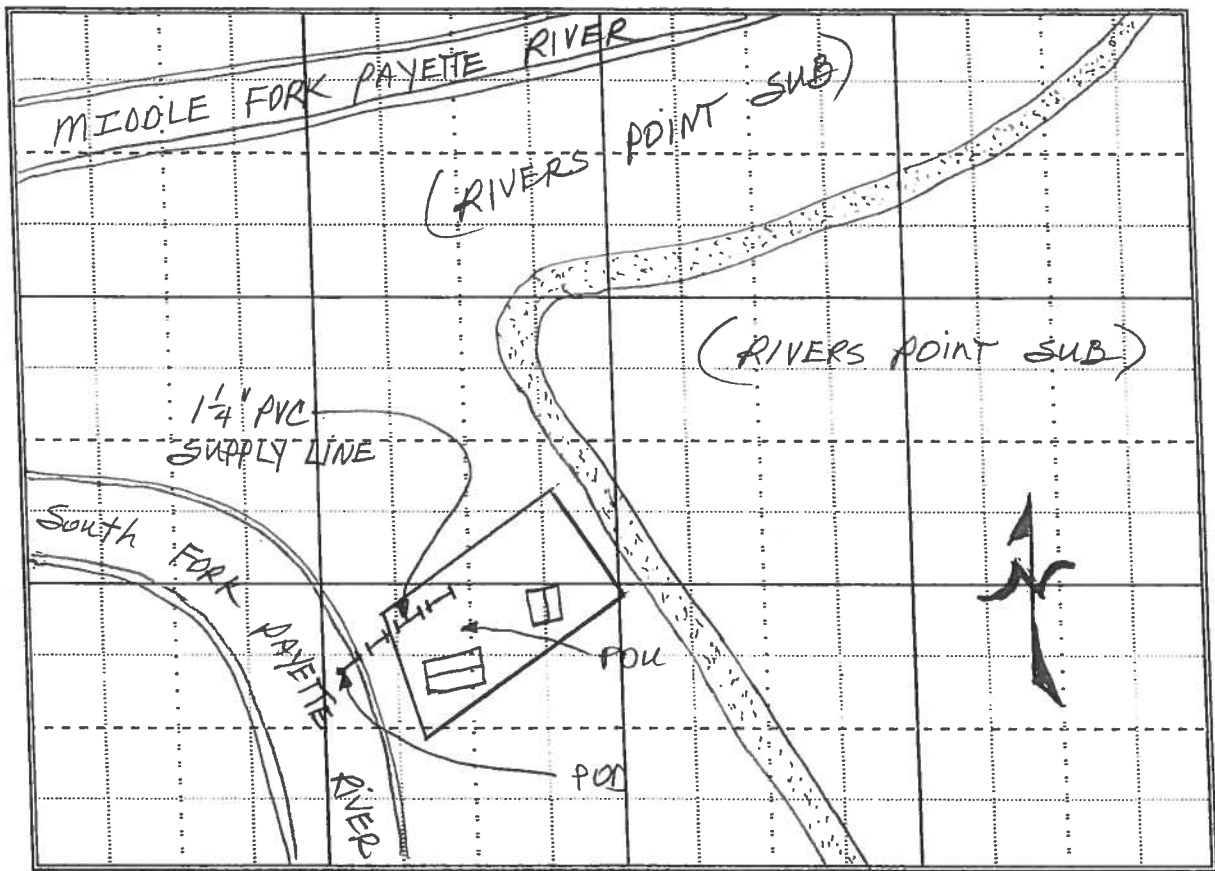
65-13801
GOV'T. LOT 4

ESRI AERIAL PHOTO - 2012



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

FIELD EXAM PHOTOS

Water Right Permit: 65-13801

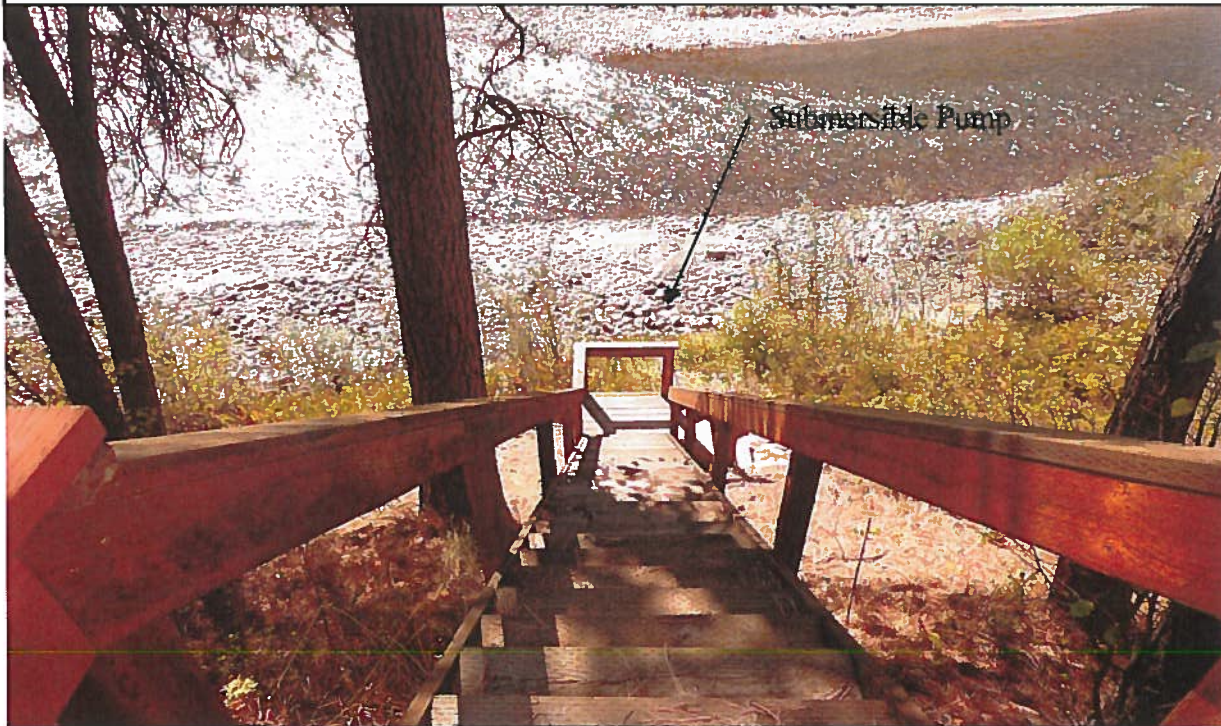
Field Exam Date: 9-10-13

PLS: NW1/4, NW1/4 Section 21, T.09N, R.04E

Field Examiner: RC



Point of Diversion: View westerly of the $\frac{3}{4}$ -hp submersible pump used to divert water from the South Fork of the Payette River. Water is conveyed to the home thru a 1 $\frac{1}{4}$ " PVC supply line. The right holder's submersible pump is not near the water due to flow reductions during the past 2 – 3 days.



Point of Diversion: View from the right holder's home high above the South Fork of the Payette River and the point of diversion.



Place of Use: View southwesterly of the typical lawn and landscaping adjacent to the right holder's home that is irrigated by the water diverted from the South Fork of the Payette River.



State of Idaho

DEPARTMENT OF WATER RESOURCES

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C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

May 15, 2013

Scott Rhead
7100 Brookover Drive
Boise, ID 83709

RE: Scheduling Field Exam for Water Right Permit No. 65-13801

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of May 27, 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 0.01 cfs of surface water from the South Fork of the Payette River for domestic use for one 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 May 24, 2013, to conduct the exam during the week of May 27, 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,

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.