

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

Permit No: 65-13803

Exam Date: 7/17/2014

1. Current Owner: PAULA SHULTZ  
3326 NW WINDWOOD WAY  
BEND, OR 97701  
(541) 550-7602

AND/OR

STEPHEN SHULTZ  
3326 NW WINDWOOD WAY  
BEND, OR 97701  
(541) 550-7602

2. Accompanied by: Paula & Stephen Shultz  
Phone No: Same  
Address: Same  
Relationship to Permit Holder: Owners

3. SOURCE

PAYETTE LAKE

TRIBUTARY

NORTH FORK PAYETTE RIVER

**B. OVERLAP REVIEW**

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

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

PAYETTE LAKE

L4 SW1/4SE1/4

Sec. 35, Twp 19N, Rge 03E, B.M.

VALLEY County

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: DOMESTIC

| Twp | Rge | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |     |    |        |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW  | SE | Totals |
| 19N | 03E | 35  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X   |    |        |
|     |     |     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | L 4 |    |        |

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</u><br><u>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</u><br><u>Size</u> |
|--------------------------------------------|-------------------|-----------|-------------------------|------------------|----------------------------------------------------|
| N/A                                        | Unknown           | 1/3       | Unknown                 | Unknown          | 1 1/4"                                             |
|                                            |                   |           |                         |                  |                                                    |
|                                            |                   |           |                         |                  |                                                    |
|                                            |                   |           |                         |                  |                                                    |

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

#### D. FLOW MEASUREMENTS

1.

| <u>Measurement</u><br><u>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 measurements. Water is pumped to pressure tanks for each home.

#### E. FLOW CALCULATIONS

\_\_\_\_ Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 0.34/30 + (2.31 \times 30) = 2.03/99.3 = 0.02 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.02 \text{ cfs} < 0.04 \text{ cfs } Q(\text{permit})$$

$$HP = 1/3$$

$$Z = 30' \text{ (Estimated)}$$

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

Appears that the current pumping system cannot attain the permit diversion rate of 0.04 cfs.

Recommend the theoretical diversion rate of 0.02 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 & External – 2 Homes)

$$V = 2(0.6 \text{ AF} + 0.6 \text{ AF}) = 2.4 \text{ AFA}$$

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

A 1/3-HP submersible pump diverts water from Payette Lake through a 1 1/4" suction line. The water is discharged to pressure tanks in two homes on Lot 19, north half, of the Harris Cove Subdivision. The water is used for domestic internal and external use for the two homes.

**OVERLAP ANALYSIS:**

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-13803.

Place of Use: There are no place of use overlaps for Water Right Permit No. 65-13803.

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        | 0.02(theoretical)  | &/or | N/A          |
| Proof Fee Amount          | 0.20               | &/or | N/A          |
| <b>Recommended Amount</b> | 0.02               | &/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        | 0.020 CFS             | 2.40 AFA             |
| <u>Totals:</u>        |                      | 0.020 CFS             | 2.40 AFA             |

**2. Recommended Amendments**

\_\_\_ Change P.D. as reflected above    \_\_\_ Add P.D. as reflected above    X None

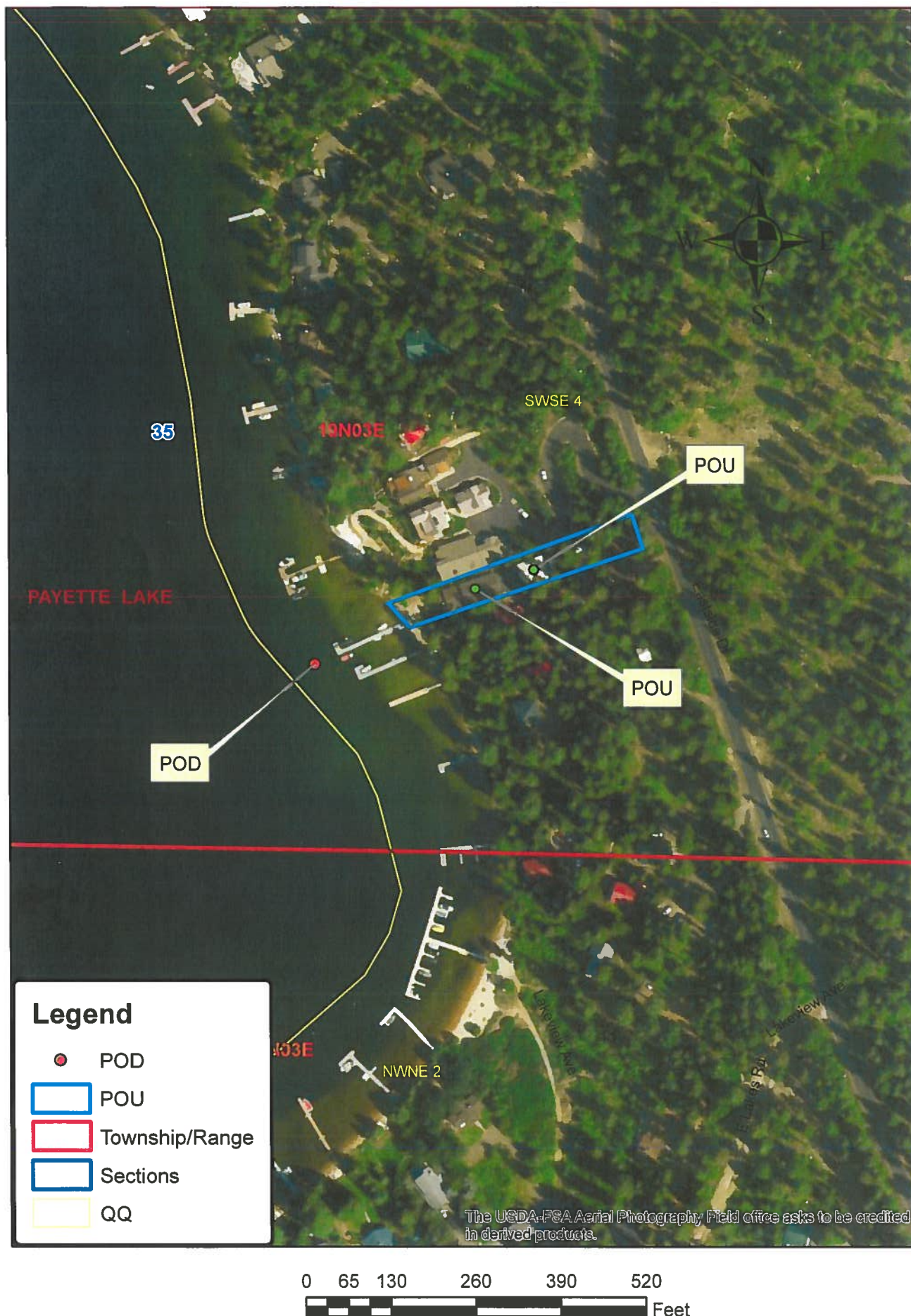
\_\_\_ Change P.U. as reflected above    \_\_\_ Add P.U. as reflected above    \_\_\_ Other

**I. AUTHENTICATION**

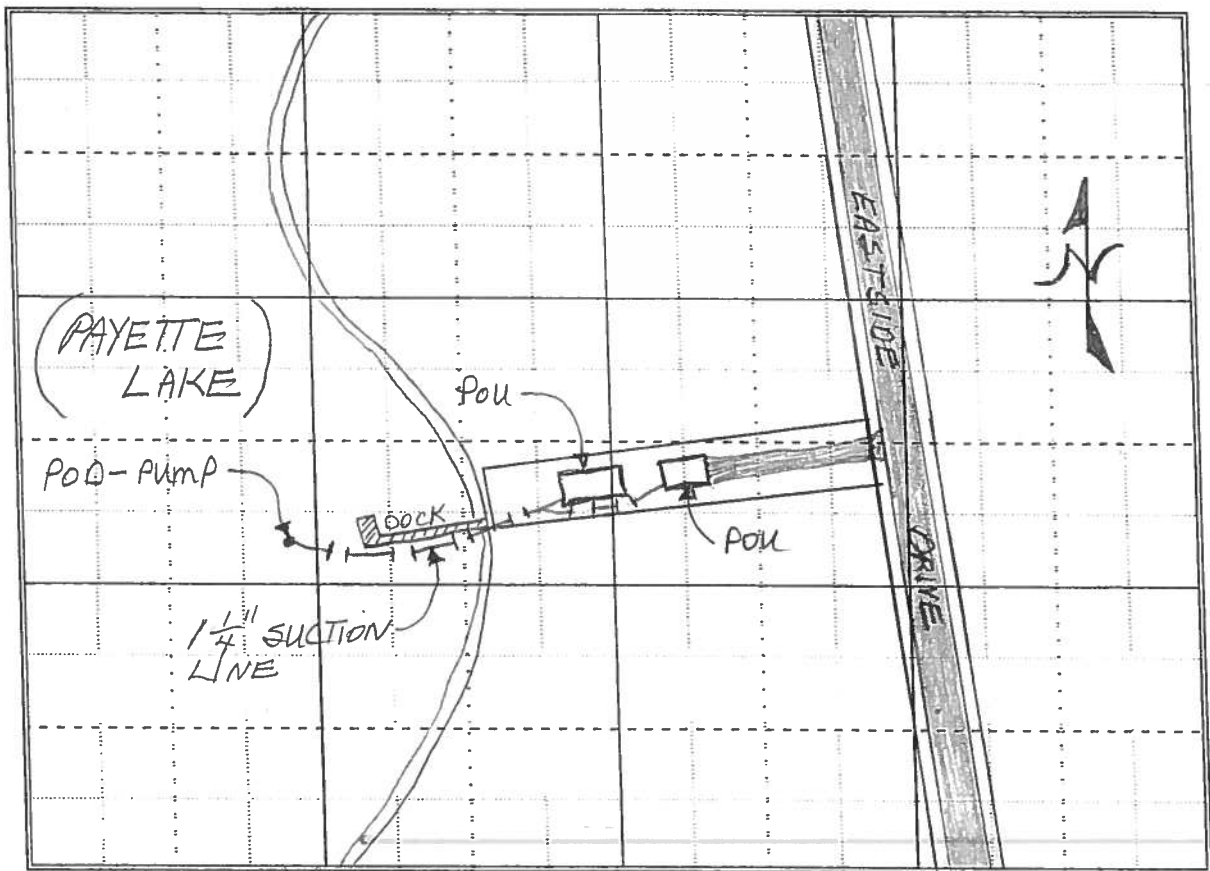
Field Examiner's Name *Rick Collingwood* Date 11/24/14

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

## AERIAL PHOTO - 2013



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

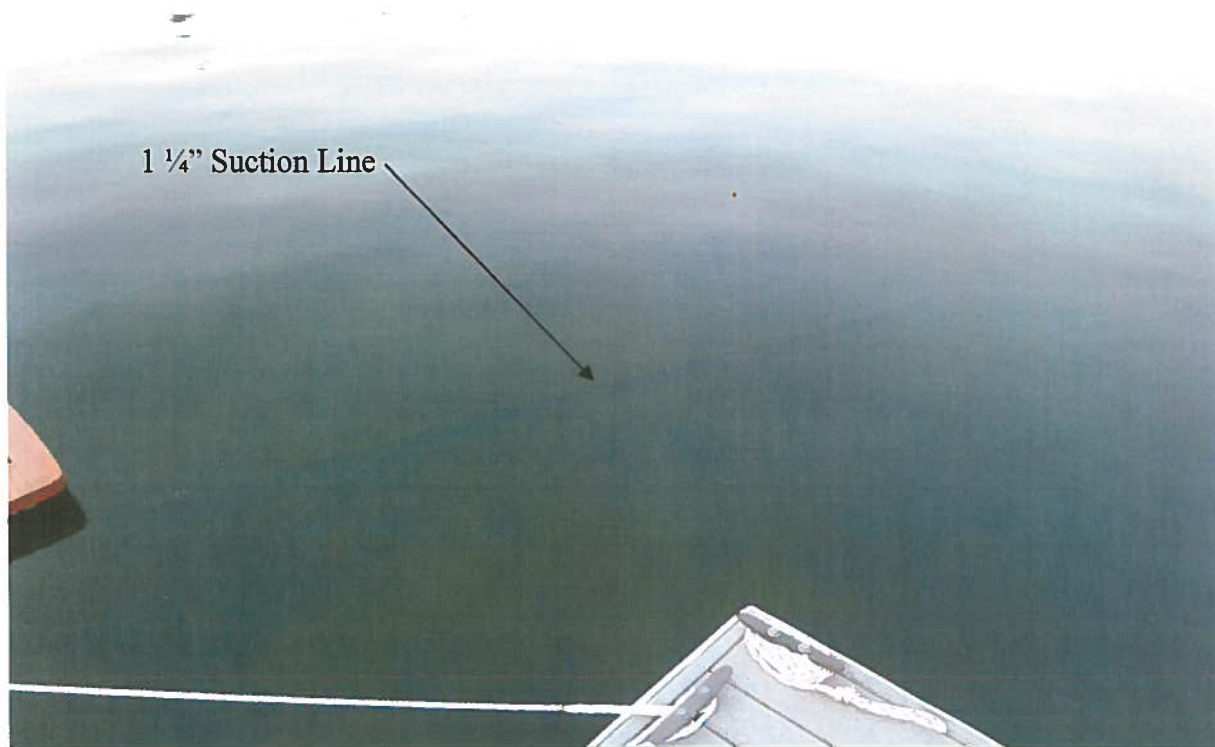
## **FIELD EXAM PHOTOS**

Water Right Permit: 65-13803

Field Exam Date: 7-17-14

PLS: SW1/4, SE1/4 Section 27, T.19N, R.03E

Field Examiner: RC



Point of Diversion: View of the 1 1/4" suction line beyond the right holder's docks in Payette Lake.



Place of Use: View easterly from the end of the dock of the right holder's main residence, which is one of two homes on the parcel served by the water system in Payette Lake.



Place of Use: View easterly of the right holder's second residence which is served by the water system in Payette Lake.



## State of Idaho

### DEPARTMENT OF WATER RESOURCES

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

PHONE: (208) 334-2190 FAX: (208) 334-2348 [www.idwr.idaho.gov](http://www.idwr.idaho.gov)

C.L. "BUTCH" OTTER, Governor

GARY SPACKMAN, Director

June 9, 2014

Stephen & Paula Shultz  
3326 NW Windwood Way  
Bend, OR 97701

RE: Scheduling Field Exam for Water Right Permit No. 65-13803

Dear Permit Holder:

The Idaho Department of Water Resources (IDWR) is planning to conduct water right field examinations in the vicinity of the above-referenced permit **during the week of July 14**. An examination is needed to verify water use(s) developed under the permit in order to issue a water right license.

Your permit authorizes the diversion of surface water from Payette Lake for domestic use. If you developed a beneficial use of water and still own the place of use property identified in the permit, please contact me at your earliest convenience to schedule an examination.

If you developed a beneficial use of water under the permit but no longer own the place of use property, please use the enclosed Assignment of Permit form (\$25 fee). This will allow IDWR to work with the new permit owner through the water right licensure process.

A water right license cannot be issued if beneficial use of water was not developed or if use was developed but abandoned. If either of these cases has occurred, please relinquish the permit by using the enclosed Relinquishment of Permit form (no fee required). The permit will be voided if a relinquishment form is not submitted within thirty (30) days. If you no longer own the property and do not assign or relinquish your permit, IDWR will work with the current property owner to issue a license or to void the permit.

Please contact me to schedule a field examination for a day and time that is convenient for you. **Please call me at (208) 334-2190 by June 27 to conduct the field exam during the week of July 14.** If there is a problem with scheduling or conducting the field examination at this time, please let me know so we can reschedule.

Please call me at (208) 334-2190 if you have any questions. I appreciate your attention to this matter and look forward to hearing from you.

Sincerely,  


Rick Collingwood, P.E.  
Staff Engineer

Enclosure: Relinquishment and Assignment of Permit Forms



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](http://www.idwr.idaho.gov)

July 24, 2013

C. L. "BUTCH" OTTER  
Governor

GARY SPACKMAN  
Interim Director

Stephen & Paula Shultz  
1339 E. 3<sup>rd</sup> Avenue  
Salt Lake City, Utah 84103

**RE: Scheduling Field Exam for Water Right Permit No. 65-13803**

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 of surface water from Payette Lake for domestic use.

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,

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.