

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22905

Exam Date: 9/23/2014

1. Current Owner: DENNIS LAMMEY
15575 SAND HOLLOW ROAD
CALDWELL, ID 83607
(208)459-2773

And/Or

HELEN LAMMEY
15575 SAND HOLLOW ROAD
CALDWELL, ID 83607
(208)459-2773

2. Accompanied by: Wayne McDonald (Unavailable)
Phone No: (208) 462-3978
Address: 5 Middlefork Circle
Relationship to Permit Holder: Neighbor

3. SOURCE

MIDDLE FORK PAYETTE RIVER

TRIBUTARY

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

MIDDLE FORK PAYETTE RIVER

SW1/4NE1/4

Sec. 23, Twp 10N, Rge 04E, B.M.

BOISE County

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
10N	04E	23	<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>	0.5
					0.5														

Total Acres: 0.5

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> <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> <u>Size</u>
N/A	Meyers	2	Unknown	Meyers	9860605

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <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 measurement. Unable to obtain a pressure measurement with a pitot tube.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 2/20 + (2.31 \times 40) = 12.32/112.40 = 0.11 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.11 \text{ cfs} > 0.03 \text{ cfs } Q(\text{permit})$$

$$HP = 2$$

$$Z = 20' \text{ (Estimated)}$$

$$P = 40 \text{ psi (Assumed)}$$

Appears that the current pumping system can attain the permit diversion rate of 0.03 cfs. However, since only 0.5 acres is irrigated, recommend the maximum diversion rate of 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \times 3.5 = 1.8 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 231 \times 1.9835 = 9.2 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.8 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

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

A 2-hp centrifugal pump diverts water from the Middle Fork of the Payette River through a screened intake on a 2" flexible hose. Water is discharged through an unknown sized irrigation main to a pressurized irrigation system.

IRRIGATION SYSTEM:

The right holder's pressurized irrigation system is comprised of six (6) stations. The stations have a mixture of pop-up spray and high impact sprinklers. The narrow sections of lawn and landscaping adjacent to the home and garage are irrigated with the pop-up spray sprinklers. The remaining lawn and landscaping is irrigated by Rain Bird Model No. 2045 Maxi Paw rotary high impact sprinklers.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-22905.

Place of Use: There are no place of use overlaps for Water Right Permit No. 65-22905.

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

CONDITION NO.1 (01H) – Prior to diversion of water under this right, the right holder shall install a lockable device. The fuse box for the home and the irrigation pump is located in a locked garage. Right holder is in compliance with Condition No.1.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.03	&/or	N/A
Beneficial Use Limit	0.02	&/or	N/A
System Measurement	0.11(theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	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>
IRRIGATION	03/15 to 10/31	0.020 CFS	1.80 AFA
<u>Totals:</u>		0.020 CFS	1.80 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

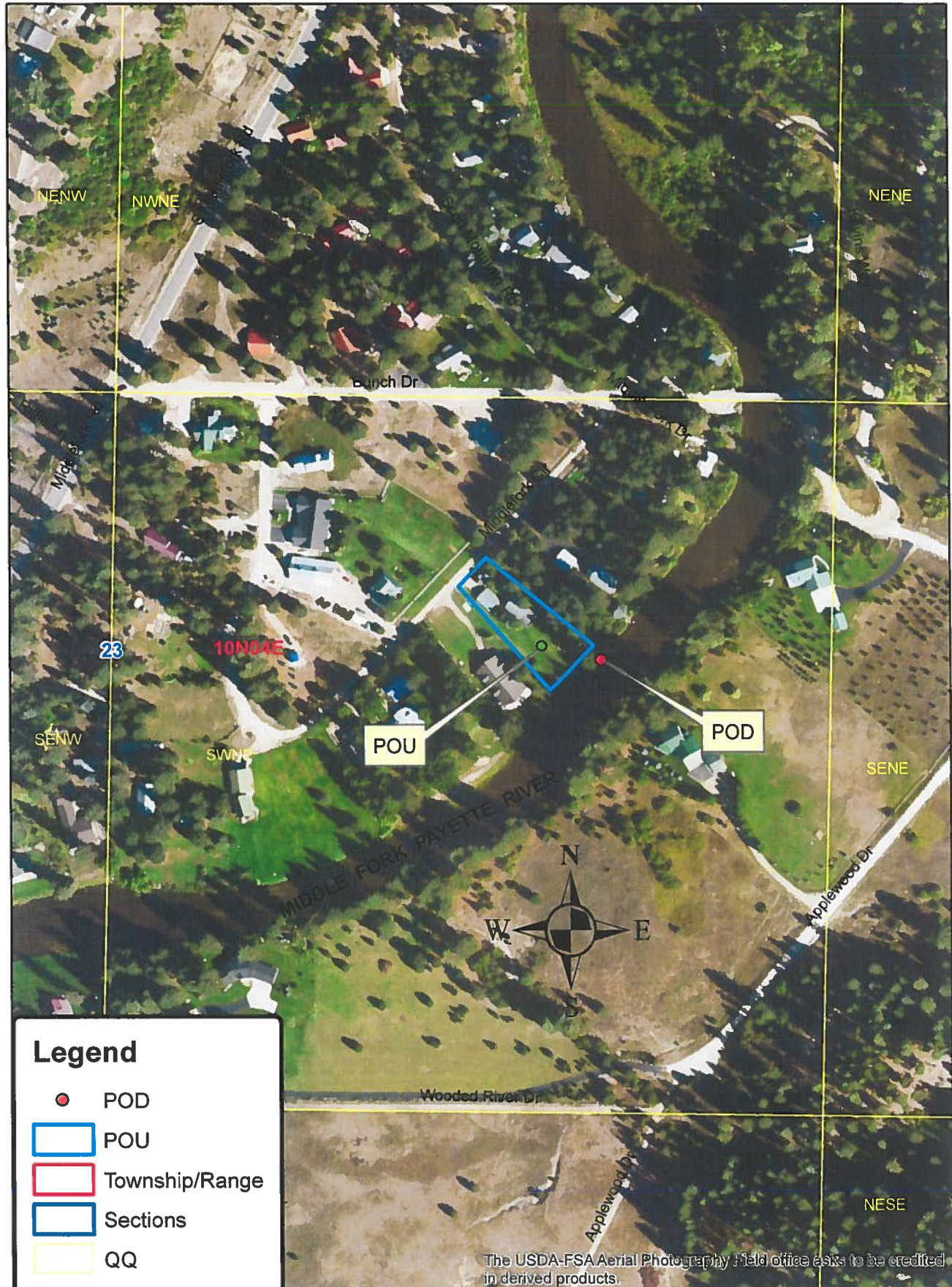
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 11/4/14

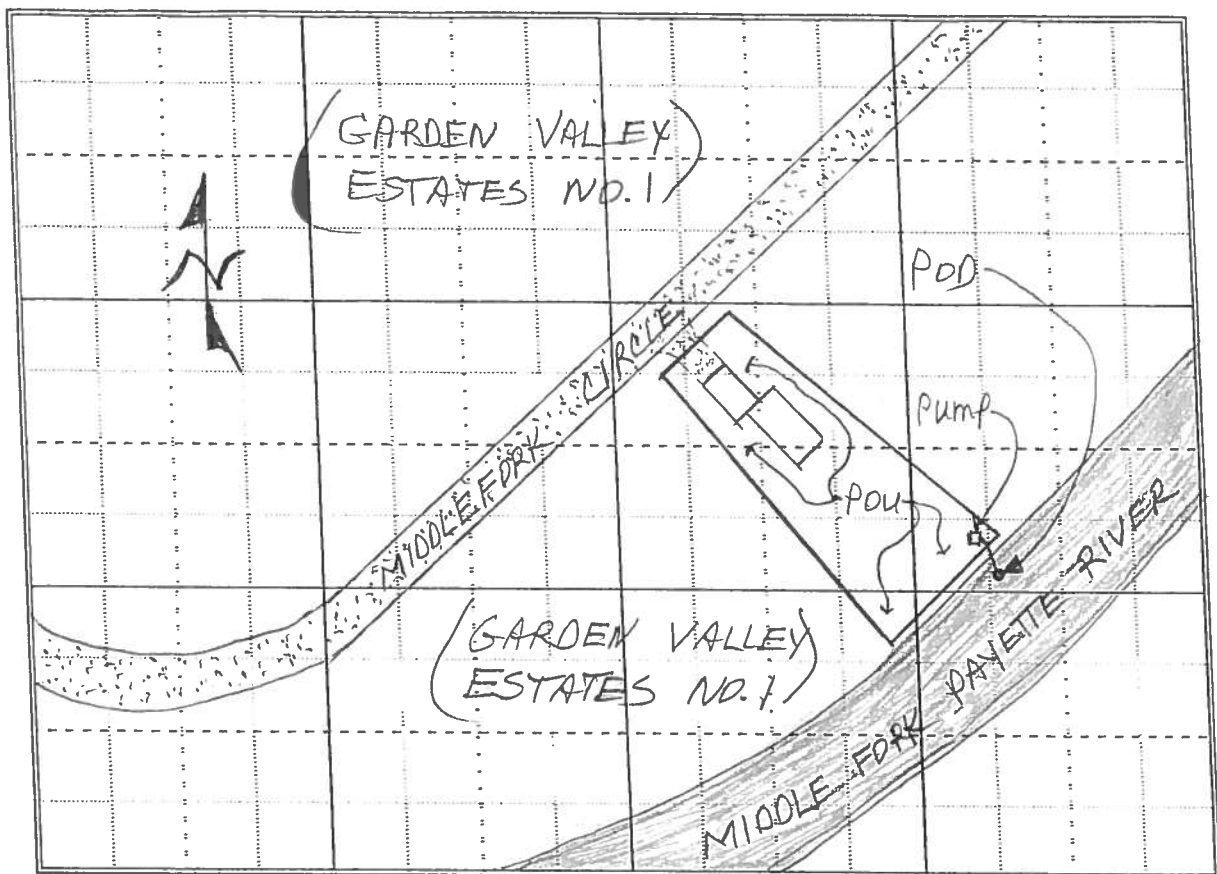
Reviewer _____ Date _____

65-22905

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: 65-22905

Field Exam Date: 9-23-14

PLS: SW1/4, NE1/4 Section 27, T.10N, R.04E

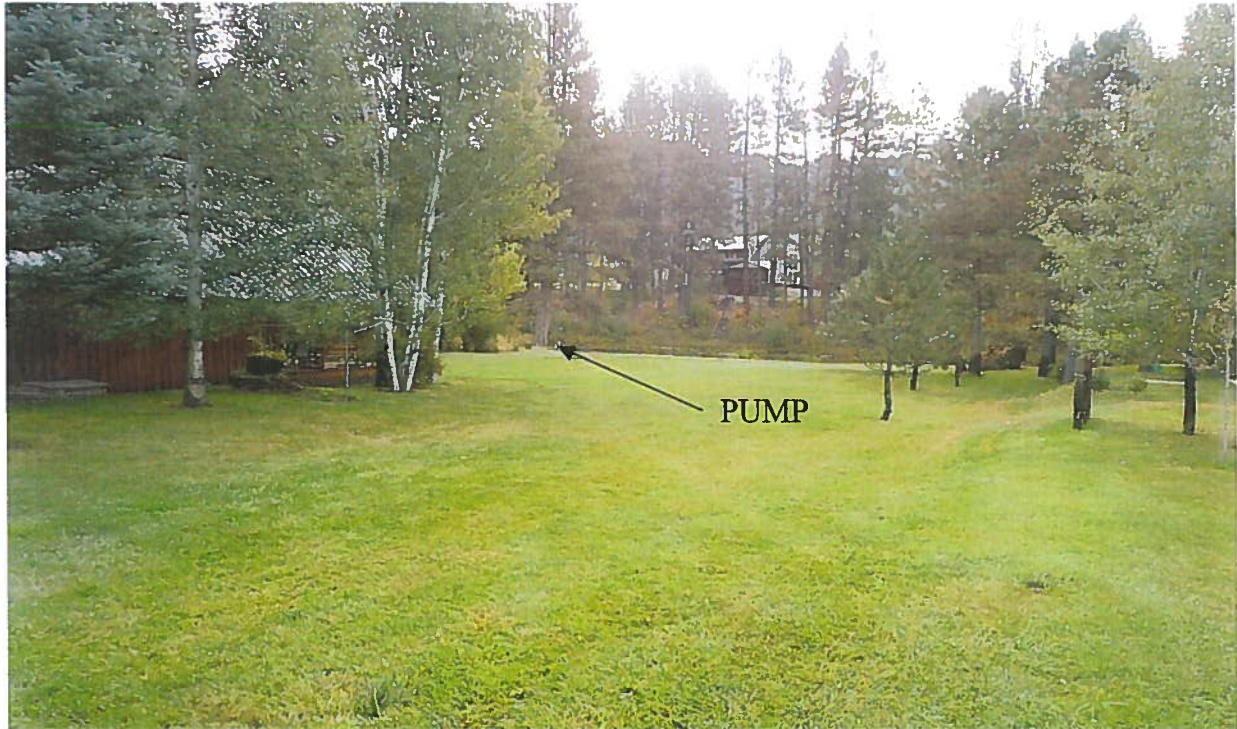
Field Examiner: RC



Point of Diversion: View easterly of a screened 2" flexible hose suction line near the westerly bank of the Middle Fork of the Payette River.



View easterly of the 2-hp centrifugal pump, pressure filter, and power source at the northeast corner of the right holder's parcel.



Place of Use: View easterly of the right holder's irrigated lawn and landscaping.



Place of Use: View easterly of the spray sprinkler heads in operation at the southwest corner of the right holder's property.



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

C. L. "BUTCH" OTTER, Governor

April 28, 2014

GARY SPACKMAN, Director

Dennis & Helen Lammey
15575 Sand Hollow Road
Caldwell, ID 83607

Re: Water Right Permit No. 65-22905

Dear Mr. & Mrs. Lammey:

I am writing to inform you of an existing water right permit which exists on your property, Lot 16, Block 1, Garden Valley Estates No.1, located at 28 Middle Fork Circle, Garden Valley, Idaho. A water right permit is not a water right, but a permit issued by the Department to allow beneficial use of water as requested by the applicant. The beneficial use for the water right permit is to divert surface water from the Middle Fork of the Payette River for irrigation. The water right permit was issued to the previous property owners, Stephen and Leslie Mathes.

In order to proceed with obtaining a water right for irrigation, there are two options available which transfers the water right ownership to you. The first option would be to have the Mathes' assign the water right permit to you. If you have contact information for the Mathes', we can submit an 'Assignment of Permit' form for their execution. The process fee for an 'Assignment of Permit' is \$25.00. If contact information is not attainable for the Mathes', the next option would be to proceed with obtaining the water right under the Mathes' name. Upon issuance of the water right, you will then need to execute a 'Change of Ownership'. This will officially transfer the water right ownership to you. The process fee for the 'Change of Ownership' is \$25.00. I have enclosed an 'Assignment of Permit' form and a 'Notice of Change in Water Right Ownership' form for your use.

The next step which needs to take place to proceed with issuance of the water right is to conduct a field examination. The field examination is required to verify that the permit information is accurate, and if possible to obtain a water flow measurement. If the surface water from the Middle Fork of the Payette River is no longer being put to beneficial use for irrigation, please let me know and we will proceed with relinquishment or voidance of the water right permit. I have enclosed a 'Relinquishment of Permit' form for your use. However, if you are beneficially using the surface water for irrigation, you are required to obtain a water right from our Department.

I am planning to conduct water right field examinations in your area **during the week of May 19**. 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 May 14 to conduct the field exam during the week**

of May 19. If there is a problem with scheduling or conducting a field examination at this time, please let me know so we can reschedule.

If you have any questions, you can contact me at the Idaho Department of Water Resources Western Region Office at (208) 334-2190, or by e-mail at rick.collingwood@idwr.idaho.gov.

Sincerely,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is written in a cursive style with a large, looping "R" and a stylized "C".

Rick Collingwood, P.E.
Staff Engineer



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

June 6, 2013

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

Stephen & Leslie Mathes
1150 E. Basenji
Meridian, ID 83642

RE: Scheduling Field Exam for Water Right Permit No. 65-22905

We are planning to **conduct water right field examinations** in the vicinity of the above-referenced permit **during the week of June 24, 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 0.03 cfs of surface water from the Middle Fork of the Payette River for irrigation of 1.0 acre.

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 June 21, 2013, to conduct the exam during the week of June 24, 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.