



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

November 5, 2013

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

GREG SIMIONE And/or GEROLD DENNET
23 RIVER RANCH RD
GARDEN VALLEY ID 83622

RE: Water Right Permit No. 65-13818

Dear Permit Holders:

The Department of Water Resources is reviewing the permit referenced above prior to issuing a water right license. By issuing a license, the Department confirms the extent of development that has been established in compliance with the terms of the permit. The examiner who verified your water use reported that certain elements of the permit have been developed differently than described on your permit. Changes that do not increase the authorized use of water under the permit can be requested and approved in accordance with Section 42-211, Idaho Code. Before a license can be issued, your permit must be amended to depict your water use as it was actually developed.

Based on the examiner's report, the following elements were developed differently than described on your permit:

☒ **Point of Diversion**

☒ **Place of Use**

The enclosed Application for Amendment form depicts the elements of the water right as they will appear on the license when it is issued. Please review the amendment form carefully. If you concur with the information presented, please sign the form and return it with the \$100.00 filing fee within 14 days.

If you have any questions, please call me at (208)334-2190.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

Enclosures: Amendment Application & Layout

11-13-13
telecon w/ Greg
form & fee
are in the
mail - kw

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-13818

Exam Date: 6/18/2013

1. Current Owner: GREG SIMIONE
23 RIVER RANCH RD
GARDEN VALLEY ID 83622
(208) 462-5400

AND/OR

GEROLD DENNET
23 RIVER RANCH RD
GARDEN VALLEY ID 83622
(208) 462-5400

2. Accompanied by: Al Marion
Phone No: (208) 462-5058
Address: 25 River Road, Garden Valley, ID 83622
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 NE1/4NE1/4
BOISE County

Sec. 34, Twp 10N, Rge 04E, B.M.

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: IRRIGATION

Tw	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
10N	04E	34	0.7																0.7

Total Acres: 0.7

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	Emerson	2	Unknown	Jacuzzi	2"

*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. Operating gauge pressure of 50 psi.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 2/15 + (2.31 \times 50) = 0.09 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.09 \text{ cfs} > 0.03 \text{ cfs } Q(\text{permit})$$

$$HP = 2$$

$$Z = 15' \text{ (Estimated)}$$

$$P = 50 \text{ psi}$$

Appears that the current pumping system can attain the permit diversion rate of 0.03 cfs. However, since only 0.70 acres are currently being irrigated ($0.70 \times 0.03 \text{ cfs} = 0.021 \text{ cfs}$), recommend a diversion rate of 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.7 \times 3.5 = 2.8 \text{ AFA}$$

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

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.8 \text{ AFA}$$

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 2" flexible hose. The pump discharges water through a 2" PVC main line to a pressurized irrigation system to irrigate lawn and landscaping for Lot 12, Pine Tree Ranch No.11.

IRRIGATION SYSTEM:

The pressurized irrigation system is comprised of 4 stations, with each station having approximately (ten) 10 Orbit rotary sprinklers and nine (9) Hunter pop-up sprinklers.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-13818.

Place of Use: There are no place of use overlaps for Water Right Permit No. 65-13818.

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

CONDITION NO.3 (01H) – Prior to diversion of water under this right, the right holder shall install a lockable device. At the request of the original property owner, a letter dated April 26, 2001, was submitted to the Department by Mark Limbaugh, District 65 Watermaster. The letter approves the request by the former property owner to waive the lockable device requirement. Right Holder has complied with Condition No.3.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.03	&/or	N/A
Beneficial Use Limit	0.03	&/or	N/A
System Measurement	0.09 (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	4/15 to 10/15	0.020 CFS	2.80 AFA
<u>Totals:</u>		0.020 CFS	2.80 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

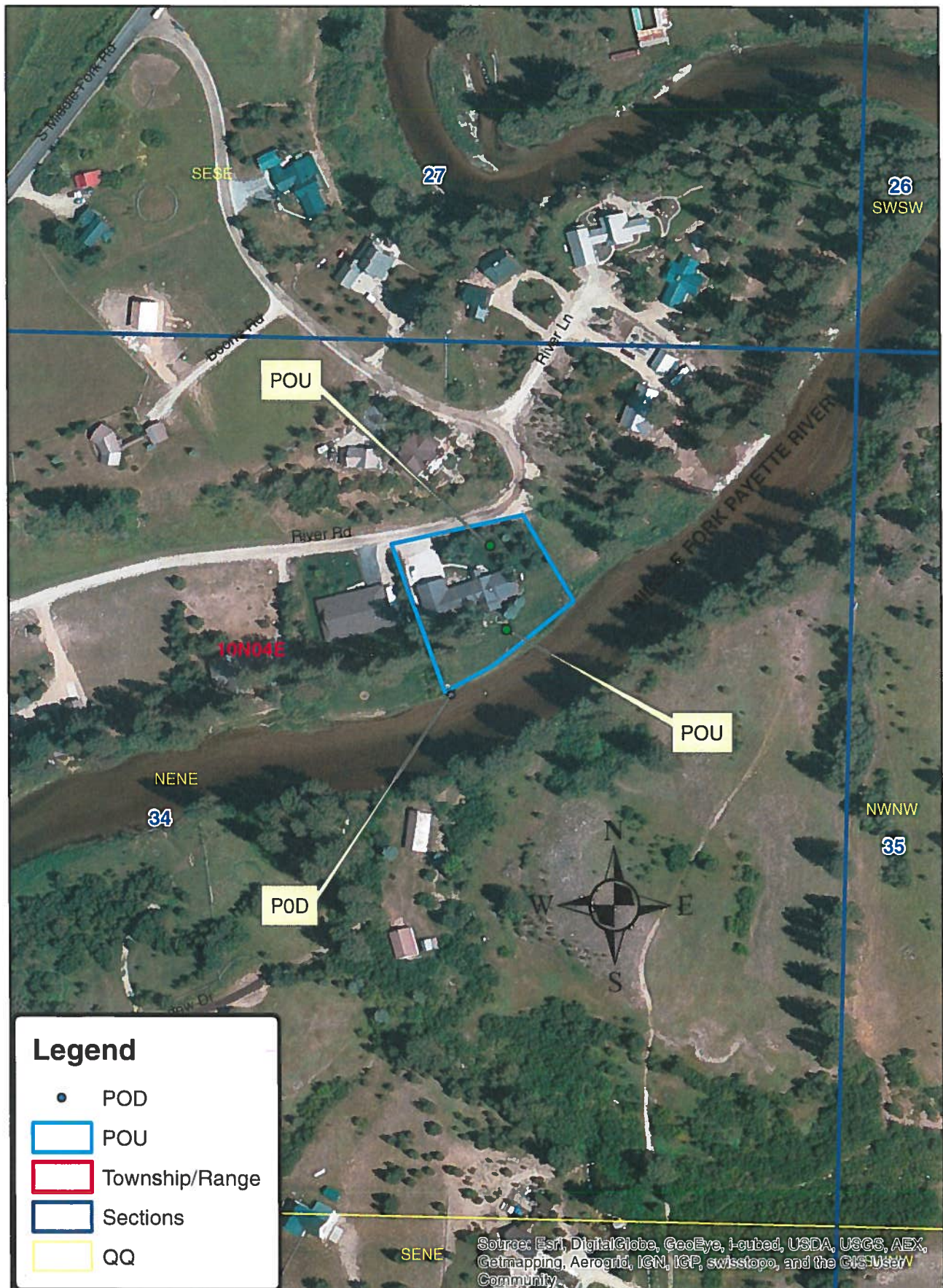
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 11/4/13

Reviewer _____ Date _____

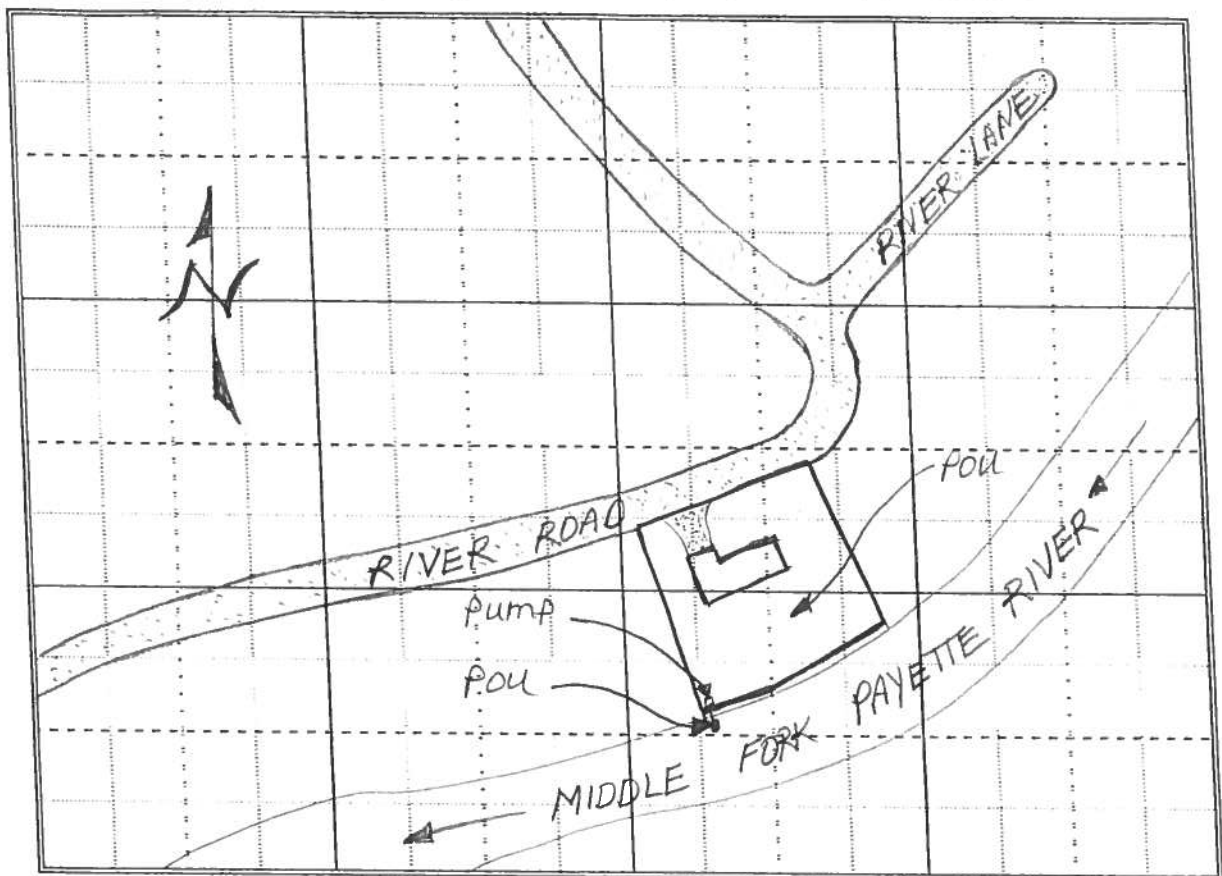
65-13818

ESRI AERIAL PHOTO - 2012



0 65 130 260 390 520
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" = 1175

- ☐ 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: 65-13818

Field Exam Date: 6-18-13

PLS: NE1/4, NE1/4 Section 34, T.10N, R.04E.

Field Examiner: RC



Point of Diversion: View southerly of the screened intake and the 2" flexible hose suction line near the north bank of the Middle Fork of the Payette River.



View northerly of the 2-hp centrifugal pump, 2" flexible hose suction line, 2" PVC discharge main line, and enclosure.



Place of Use: View easterly of the lawn and landscaping area adjacent to the river.



Place of Use: View easterly of the front lawn and landscaping area.



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

Greg Simione & Gerold Dennet
23 River Ranch Road
Garden Valley, ID 83622

RE: Scheduling Field Exam for Water Right Permit No. 65-13818

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,

A handwritten signature in black ink that reads "Rick Collingwood". The signature is fluid and cursive, with the first name "Rick" and last name "Collingwood" clearly legible.

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