

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-22637

Exam Date: 8/12/2013

1. Current Owner: ECK FAMILY TRUST DATED 7/19/1999
TRS MICHAEL J ECK AND NANCY F ECK
P.O. BOX 346
MCCALL, ID 83638
(208) 634-1315
2. Accompanied by: Mike Eck
Phone No: Same
Address: Same
Relationship to Permit Holder:

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

PAYETTE LAKE

L3 NW1/4SE1/4

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

VALLEY County

Method of Determination: Arc Map (Aerial Photo)

2.

PLACE OF USE: IRRIGATION

Tw	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
19N	03E	35														1.5			1.5
																L 3			

Total Acres: 1.5

Method of Determination:

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>
<u>N/A</u>	<u>Franklin</u>	<u>1</u>	<u>Unknown</u>	<u>Unknown</u>	<u>Unknown</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

*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>
<u>N/A</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

2. Measurements: No field measurement. Pressurized irrigation system operating pressure of 66 psi (Gauge) with pressure tank.

E. FLOW CALCULATIONS Additional Computation Sheets Attached

Measured Method: (Theoretical Horsepower Equation)

$$Q = 8.8 \times 0.7 \times 1/80 + (2.31 \times 66) = 6.16/232.46 = 0.03 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.03 \text{ cfs} < 0.04 \text{ cfs } Q(\text{permit})$$

$$HP = 1$$

$$Z = 80' \text{ (Estimated)}$$

$$P = 66 \text{ psi (Gauge)}$$

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

Recommend the theoretical pumping capacity diversion rate of 0.03 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \times 3.0 = 4.5 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 200 \times 1.9835 = 11.9 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.5 \text{ AFA}$$

2. Volume Calculations for Other Uses: N/A

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

A 1-hp pump diverts water from Payette Lake through an unknown sized suction line. Water is conveyed to the pressurized irrigation system for irrigation of approximately 1.5 acres of lawn and landscaping. The water conveyance system extends from Payette Lake to Eastside Drive.

IRRIGATION SYSTEM:

The right holder's pressurized irrigation system is comprised of 18 stations. The pressurized irrigation system contains a mixture of rotary and spray pop-up sprinklers.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-22637.

Place of Use: There are no place of use overlaps for Water Right Permit No. 65-22637.

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

CONDITION NO.2 (01H) – Prior to diversion of water under this right, the right holder shall install a lockable device. Pump controls/junction box are located in the home's crawl space. Right holder has complied with Condition No.2.

CONDITION NO.7 (X60) – Place of use is located within Lot 5, Harris Cove Subdivision. Place of use is located in Lots 5 & 6, Harris Cove Subdivision, and Lots 7 & 8, Nokondo Subdivision.

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	0.03 (theoretical)	&/or	N/A
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.03	&/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	04/15 to 10/31	0.030 CFS	4.5 AFA
<u>Totals:</u>		0.030 CFS	4.5 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

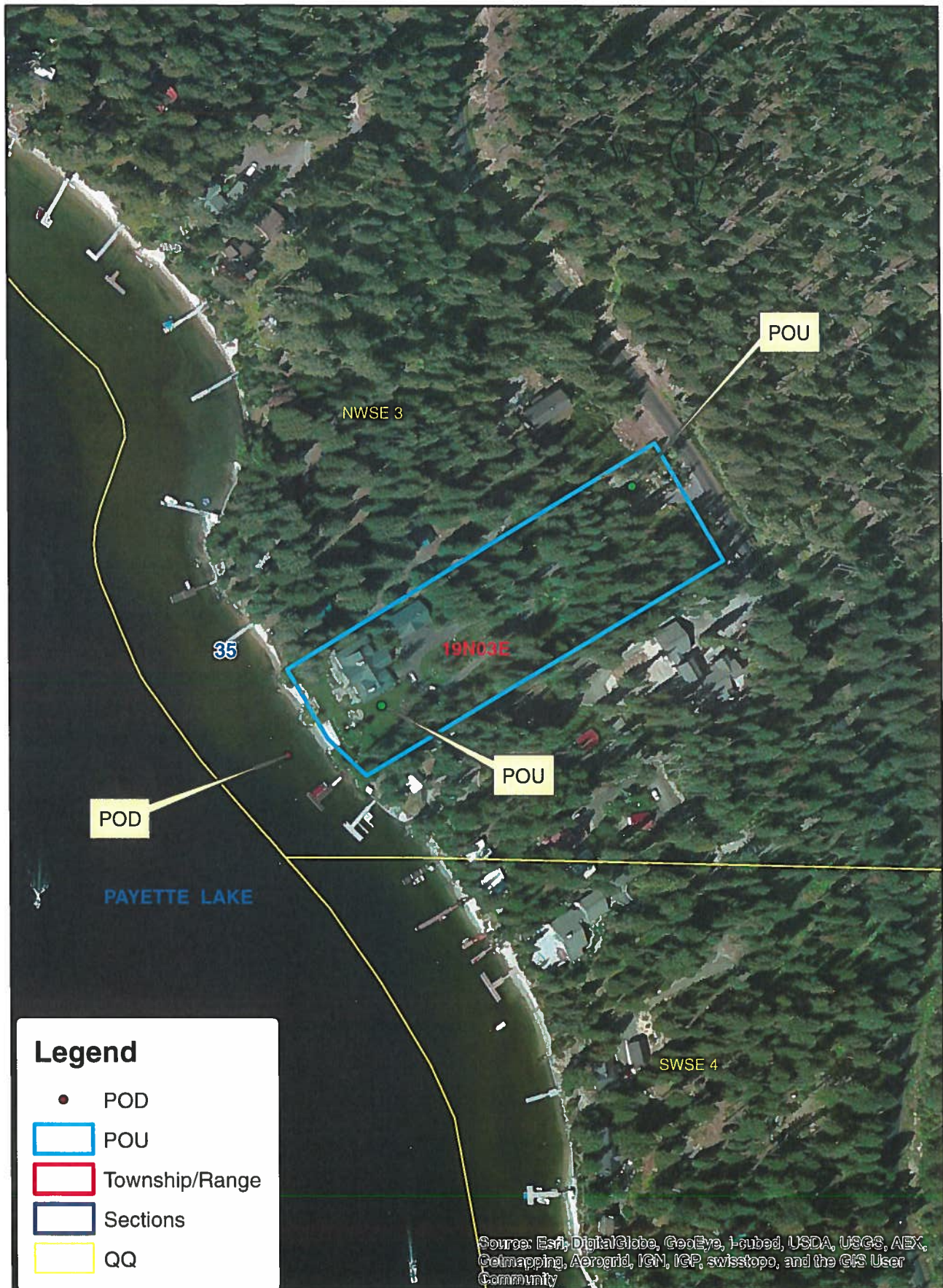
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 12/4/13

Reviewer _____ Date _____

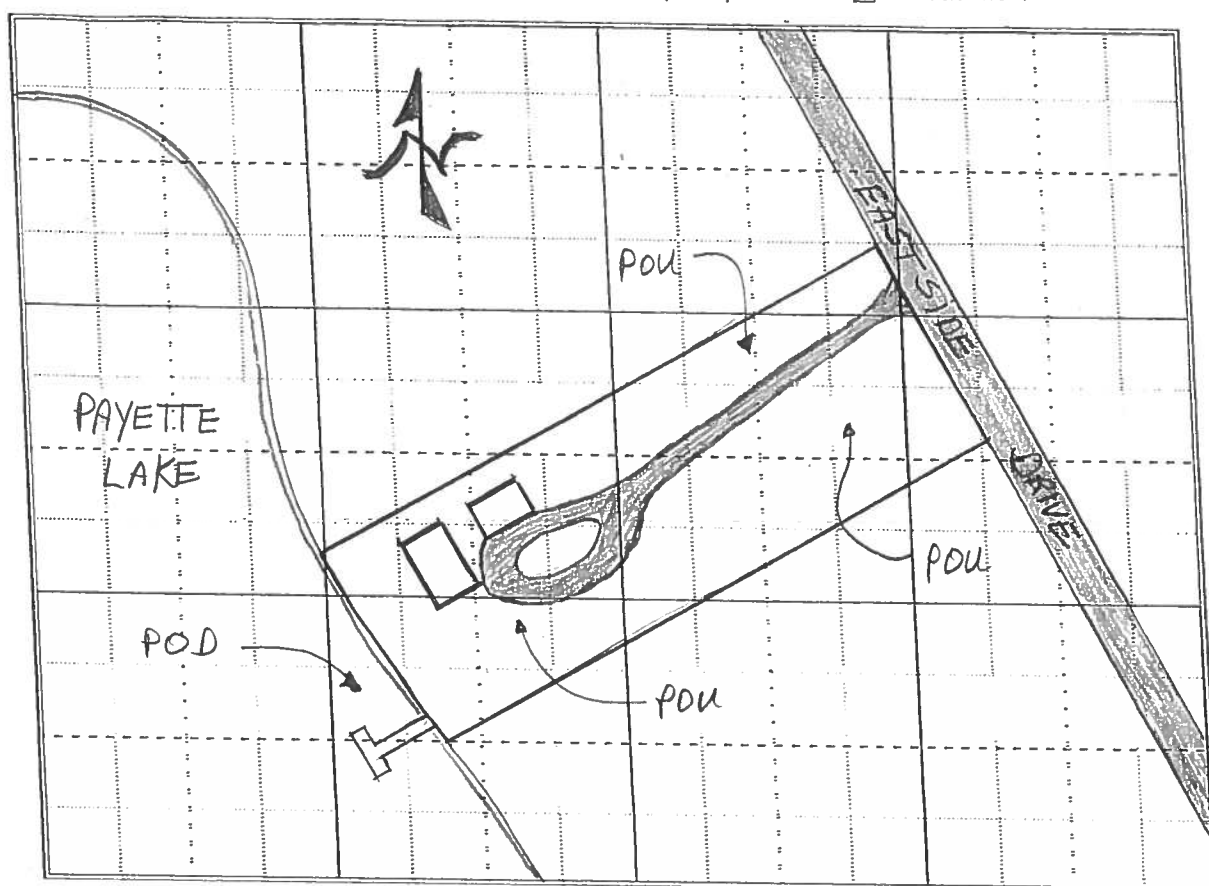
65-22637
GOV'T. LOT 3

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" = 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

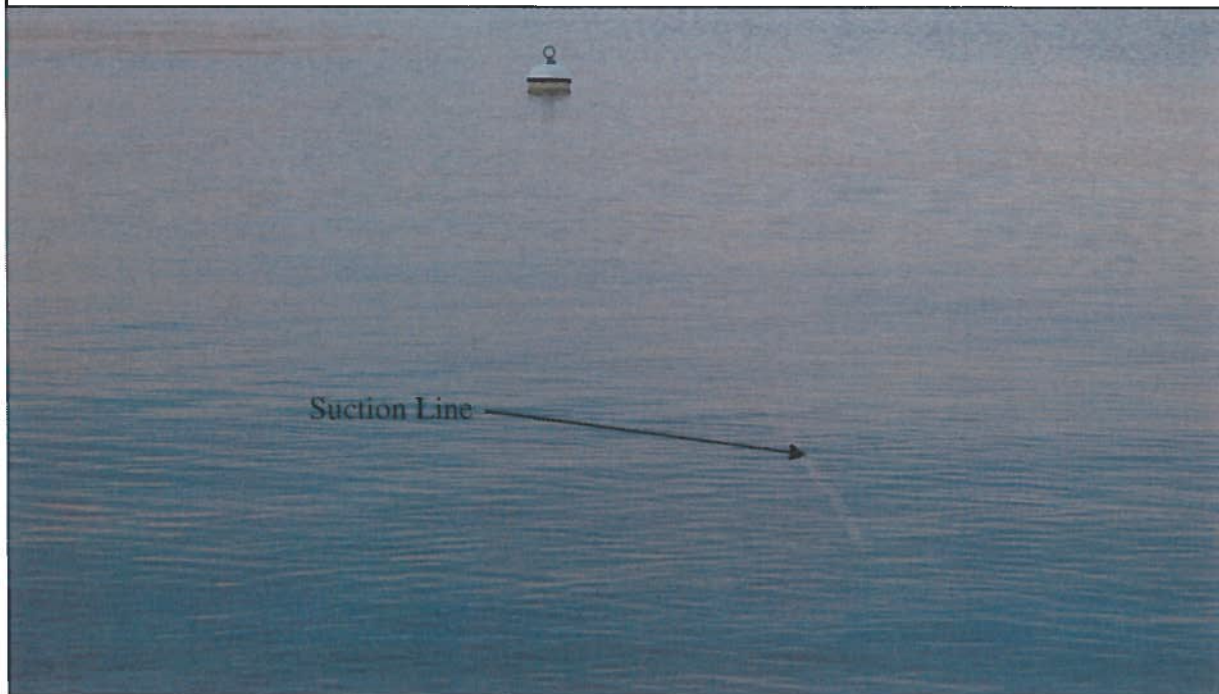
FIELD EXAM PHOTOS

Water Right Permit: 65-22637

Field Exam Date: 8-12-13

PLS: NE1/4, SW1/4 Section 35, T.19N, R.03E.

Field Examiner: RC



Point of Diversion: View southwesterly of the suction line in Payette Lake. Lake water is pumped to a pressurized irrigation system for lawn and landscape irrigation.



Place of Use: View northeasterly from the right holder's boat dock of rotary pop-up sprinklers irrigating lawn and landscaping adjacent to Payette Lake.



Place of Use: View northeasterly of rotary pop-up sprinklers irrigating a landscape area adjacent to the driveway.



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
Director

August 7, 2013

Eck Family Trust
P.O. Box 346
McCall, ID 83638

RE: Scheduling Field Exam for Water Right Permit No. 65-22637

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 irrigation of 1.5 acres.

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 9, 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,

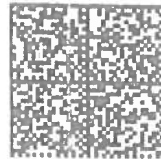
Rick Collingwood, P.E.
Water Resource Agent, Sr.

94158



RECEIVED
AUG 05 2013
WATER RESOURCES
WESTERN REGION

PRESORTED
FIRST CLASS



UNITED STATES POSTAGE
PRINCE GEORGES
\$00.36
02 1M JUL 24 2013
0008003708
MAILED FROM ZIP CODE 83702

NIXIN 957 SE 1300 0207/30/13
RETURN TO SENDER
ATTEMPTED - NOT KNOWN
UNABLE TO FORWARD

BC: 83705508235 *2472-06499-30-20

8370505023



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July 24, 2013

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

Eck Family Trust
C/O Michael J. & Nancy F. Eck
325 China Basin Street
San Francisco, CA 94158

RE: Scheduling Field Exam for Water Right Permit No. 65-22637

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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.