



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

January 10, 2014

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

J B SCOTT
501 E BAYBROOK CT
BOISE ID 83706-3915

RE: Water Right Permit No. 65-22919

Dear Permit Holder:

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:

✓ **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 334-2190.

Sincerely,

KAY WALKER
Sr. Water Resource Agent

Enclosures: Amendment Application and Layout

DIVERSION TO STORAGE same as RECREATION STORAGE

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	N/A		N/A	N/A	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. The 4" PVC supply line from the irrigation ditch was buried, and I was not Able to attain a measurement at the waste ditch.

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: (Continuity Equation)

$$Q = VA = 5 \text{ ft/sec} \times 0.087 \text{ ft}^2 = 0.44 \text{ cfs}$$

$$Q(\text{theoretical}) = 0.44 \text{ cfs} > 0.20 \text{ cfs } Q(\text{permit})$$

$$V = 5 \text{ ft/sec (Assumed)}$$

$$A = 0.087 \text{ ft}^2$$

Appears that the current water supply system can attain the permit diversion rate of 0.20 cfs.

Recommend the permit diversion rate of 0.20 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: (Recreation & Aesthetic Storage Pond)

Pond Surface Area = 0.45 ac.

Maximum Pond Depth = 8'

$$V = 0.45 \text{ ac.} \times 8' = 3.60 \text{ AF} > 3.5 \text{ AF (permit)}$$

Recommend permit volume: $V = 3.5 \text{ AFA}$

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

Water is diverted from Fall Creek by a concrete diversion structure. The diverted flow through a short section of 36" CMP is controlled by a 36" wheel-operated slide gate. Water is conveyed in an open channel to another concrete diversion structure, which diverts water to a small irrigation ditch. A concrete check structure, which is upstream and adjacent to the concrete diversion structure for the small irrigation ditch, is used to maintain adequate static head for diverting water in the small irrigation ditch. An 18" wheel-operated slide gate is used to control the diversion rate to the small irrigation ditch. The concrete check structure diverts excess water back to Fall Creek.

The right holder diverts water from the small irrigation ditch through a screened 4" PVC inlet. Water is conveyed to a waste water ditch near East Side Road. Water is conveyed through a 30" CMP culvert to a concrete collection box on the right holder's property. Water is discharged from the concrete collection box through 12" ABS/PVC pipe to the storage pond. An 8' x 3' concrete overflow structure discharges water through a short section of pipe to a concrete ditch. Water is then conveyed in 24" CMP pipe back to Fall Creek.

OVERLAP ANALYSIS:

Point of Diversion: There are no point of diversion overlaps for Water Right Permit No. 65-22919.

Place of Use: Water Right Permit No. 65-22919 and Water Right 65-13247 have an overlapping place of use. Both water rights discharge water to the right holder's recreation and aesthetic storage pond.

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

CONDITION NO.3 – Aesthetic and recreation storage purposes are for a small pond not to exceed 2.3 af in size. Based on 12/2/04 staff comments, a total pond storage volume of 3.5 af will be allowed. The total calculated storage volume is 3.6 af. The right holder is in compliance with Condition No.3.

RATE &/OR STORAGE RECOMMENDED FOR LICENSING

Description	Rate of Flow (cfs)		Storage (af)
Permit Amount	0.20	&/or	3.5
Beneficial Use Limit	0.20	&/or	N/A
System Measurement	0.44(theoretical)	&/or	3.6
Proof Fee Amount	0.20	&/or	N/A
Recommended Amount	0.20	&/or	3.5

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DIVERSION TO STORAGE	01/01 to 12/31	0.200 CFS	
AESTHETIC STORAGE	01/01 to 12/31		3.50 AF
RECREATION STORAGE	01/01 to 12/31		3.50 AF
<u>Totals:</u>		0.200 CFS	3.50 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

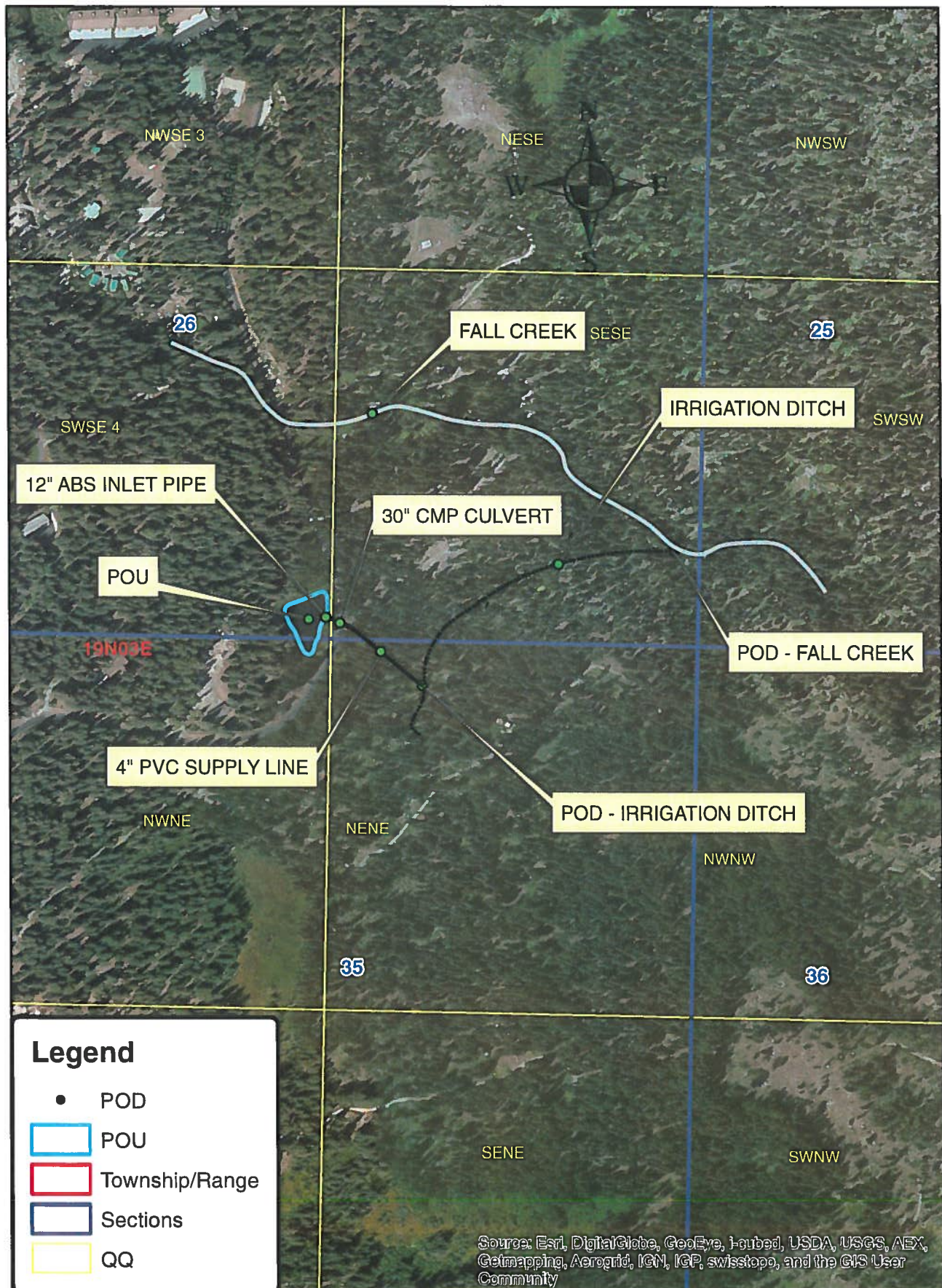
I. AUTHENTICATION

Field Examiner's Name Rick Collingwood Date 1/6/14

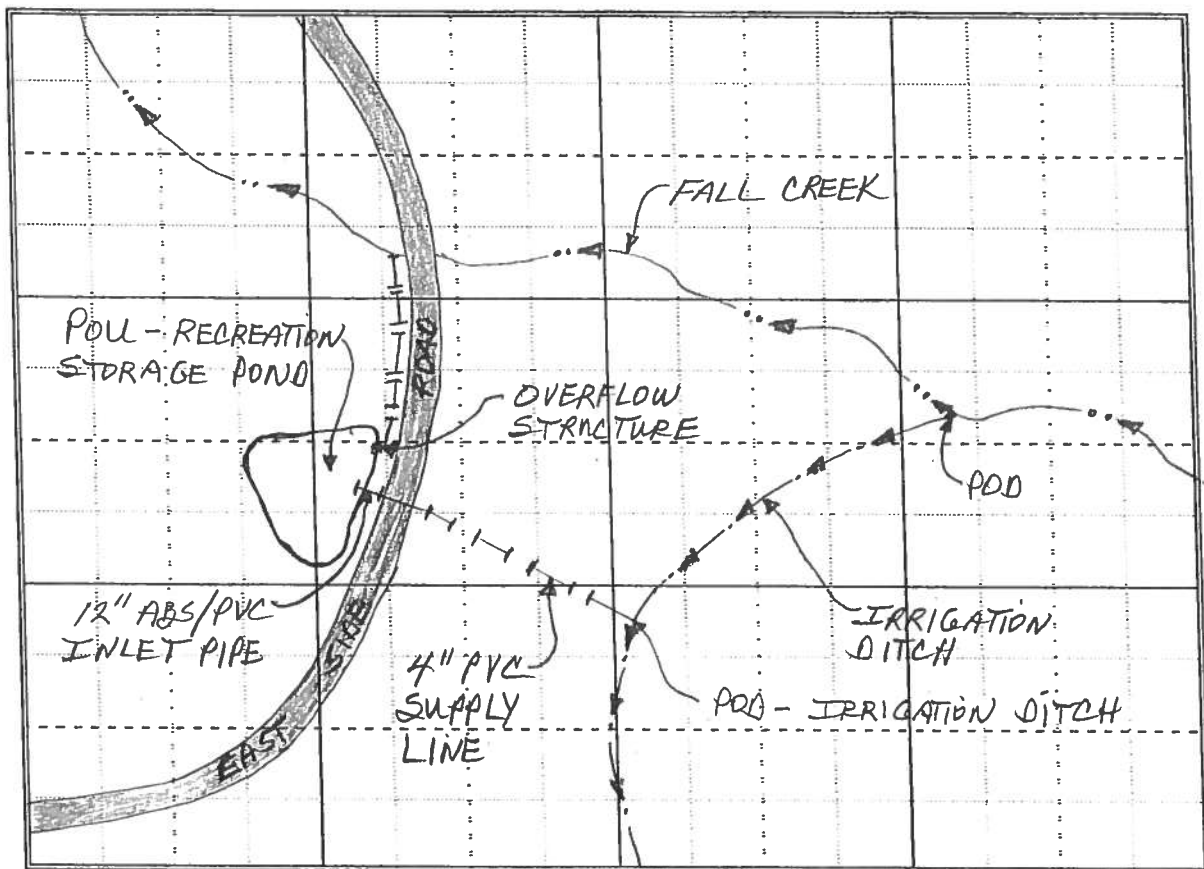
Reviewer _____ Date _____

65-22919
GOV'T. LOT 4

ESRI AERIAL PHOTO - 2012



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: 65-22919

Field Exam Date: 8-14-13

PLS: SW1/4, SE1/4 Section 26, T.19N, R.03E

Field Examiner: RC



Point of Diversion: View of concrete diversion structure, 36" CMP, and a 36" wheel gate at Fall Creek.



Point of Diversion: View upstream of Fall Creek and the concrete diversion structure.



View easterly of the conveyance channel from the Fall Creek diversion. The concrete weir structure is used to maintain static head for the small irrigation ditch used by the right holder and to divert water back to Fall Creek.



View southeasterly of the concrete diversion structure, 18" CMP, and an 18" wheel gate for the small irrigation ditch.



View southerly of the screened intake for the 4" PVC supply pipe which diverts water from the small irrigation ditch to discharge to the right holder's storage pond.



View of concrete collection box between the storage pond and Eastside Road. A 30" CMP culvert pipe across Eastside Road discharges water to the collection box. A section of 12" ABS/PVC pipe discharges water to the storage pond.



Place of Use: View westerly of the 12" ABS/PVC discharge pipe near the easterly bank of the storage pond.



View easterly of the 8' x 3' concrete storage pond overflow structure. Water discharged from the storage pond is conveyed to an open ditch and pipe for discharge back to Fall Creek.



Place of Use: View westerly of the storage pond and the concrete storage pond overflow structure located near the northeasterly corner of the storage pond.



View northerly of a concrete channel and CMP pipe which conveys the storage pond overflow back to Fall Creek.



State of Idaho

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C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

July 30, 2013

J.B. Scott
C/O J.B. Scott Childrens Trust
501 E. Baybrook Ct.
Boise, ID 83706-3915

RE: Scheduling Field Exam for Water Right Permit No. 65-22919

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 0.20 cfs of surface water from Fall Creek for 3.5 AF of recreation and aesthetic storage.

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.

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
2735 Airport Way
Boise, Idaho 83705-5082

Return Service Requested

J.B. Scott
P.O. Box 70001
Boise, ID 83707-0101

83705 05082E

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WESTERN REGION

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J.B. SCOTT CHILDRENS TRUST
501 E. BAYVIEW CT
BOISE ID 83706-3915

RETURN TO SENDER





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July 24, 2013

C. L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Interim Director

J.B. Scott
P.O. Box 70001
Boise, ID 83707-0101

RE: Scheduling Field Exam for Water Right Permit No. 65-22919

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