

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34518

Exam Date: 9/16/20

1. Current Owner:
AL RUSSELL JR 1350 S WILLOW WOOD WAY EAGLE ID 83616

2. In-office qualification (IDAPA 035.01.r): Irrigation ≤ 5 acres

3. SOURCE:

BOISE RIVER

Tributary

SNAKE RIVER

Method of Determination: Permit application, ArcMap, aerial imagery

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
N/A	N/A	N/A	N/A

Comments: Overlap review depicts municipal and irrigation water rights within the same qq

2. Other water rights with the same point-of-diversion: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
N/A	N/A	N/A	N/A

Comments: There are no other water rights that share POD.

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

BOISE RIVER NE¼ SW¼, Sec. 16, Twp 04N, Rge 01E, B.M. ADA County

Method of Determination: Legal description in permit validated by PLS data and mapping.

PLACE OF USE: IRRIGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
04N	01E	16									3								3

Total Acres: 3

Method of Determination: ArcMap Tools and Aerial Imagery

3.

N/A Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

X Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X Aerial Photo Attached (required for irrigation of 10+ acres).

N/A Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A		3	N/A	PENTEC	N/A

D. FLOW MEASUREMENTS

1. N/A (Qualifies for In-Office Exam)

E. FLOW CALCULATIONS

Irrigation Permit: 0.05 cfs
 B.U. Standard Allowance: 0.03 cfs x 3 ac= 0.09 cfs
Mitigation Right 63-20041 0.05 cfs
 B.U. Proof Fee: \$50 → 0.00 cfs to 0.20 cfs

License Recommendation 0.05 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (1.7 \text{ ac}) \times (4.5 \text{ afa}) = 7.65 \text{ af}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.05 \text{ cfs}) \times (123 \text{ days}) \times 1.9835 = 12.2 \text{ af}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 7.65 \text{ af}$$

* Per Beneficial Use Exam Rules, irrigation from river is exempt from reporting total volume.

G. NARRATIVE/REMARKS/COMMENTS

The field exam was conducted in-office January 28, 2020 by Kate Huelse.

Permit 63-34518 authorized the diversion of 0.05 cfs from the Boise River tributary of the Snake River for irrigation use in Section 16, Township 04 North, Range 01 East, SW 1/4, NE 1/4. Based on the information provided in the water right file, this qualifies for an in office field exam.

The proof of beneficial use was submitted on December 19, 2019 by Al Russell. Current Ada County tax lot data represent Mr. Russell as the land owners pertinent to the place of use and point of diversion. The permit specifies that the use is for irrigation purposes for a lawn. Measured 3.5 acres of irrigation using ArcMap tools and imagery and verified with a site visit.

Mr. Russell is irrigating the grass and trees throughout his property using a 3 horsepower pentec pump located in his pond and diverted to a pressure tank. He has 12 stations of 6-7 sprinklers, he typically runs 1 to 2 stations at one time. The sprinklers being used to irrigate are 5004PC Rainbirds with a pressure range of 25-65 psi, Mr. Russell explained the sprinklers have a contact pressure gage that ranges from 40-60psi. I have calculated the theoretical flow rate to reflect the pressure range of Mr. Russells system, the average theoretical rate is 0.09cfs.

The diversion rate I have recommended for this license is 0.05 cfs, and as stated in the permit the user shall not exceed 0.03 cfs per acre nor more then 7.7 af (4.5 afa per acre).

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS**1. Recommended Amounts**

<u>Beneficial Use</u>	<u>Period of Use</u>	<u>Rate of Diversion</u>
IRRIGATION	03/01 to 11/15	0.05 CFS

Totals: 0.05 CFS

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 X None

I. AUTHENTICATION Kate Huelse - Water Resource Agent

Field Examiner's Name Kate Huelse Date 1/30/20

Reviewer Patrick Kelly Date 1-30-2020

State of Idaho
Department of Water Resources
Beneficial Use In Office Field Exam
63-34518



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.035 0.07 0.14 Miles





State of Idaho

DEPARTMENT OF WATER RESOURCES

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BRAD LITTLE
Governor

GARY SPACKMAN
Director

February 5, 2020

ROBERT TRAUX
1888 E RODEO LN
KUNA ID 83634-1341

Notice of Intent to Void Permit

RE: Water Appropriation Permit 63-33857

Dear Permit Holders:

In 2013 IDWR issued permit 63-33857 authorizing Robert Traux to develop a right to divert 0.150 cfs from groundwater for domestic and irrigation purposes in Section 18, Township 2 North, Range 01 East.

The Idaho Department of Water Resources reviewed your permit prior to issuing a water right license. The original permit stated that your place of use was in NW ¼ SW ¼ a review of irrigated lands showed 0.4 acres are in the NE ¼ SW ¼ therefore it has been verified that your place of use has 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 Idaho Code 42-211.

The final step in the water appropriation process is the issuance of a Water Right License. By issuing a license, IDWR recognizes that you have met the requirements for establishing a water right. Before a license can be issued your permit must be amended to depict your water use as it was actually developed. Once the development period authorized by your permit expires, your permit cannot be retained to cover future development of the resource.

The enclosed Application for Amendment form depicts the element of the water right as they will appear in the license when issued. Please review the amendment forms carefully. If you concur with the information presented, please sign and return the forms with the filing fee of \$100.00. If I do not receive the requested information from you within thirty days, I will take action to void your permit under the provision of Section 42-219(8) of the Idaho Code.

If you have any questions, please contact me at 208-334-2190.

Respectfully,

A handwritten signature in black ink that reads "Kate Huelse". The signature is written in a cursive, flowing style.

Kate Huelse
Water Resource Agent

Enclosure