

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-34731
Exam Date: 06/02/2021

1. Current Owner:
PING RICH 22843 BUSKIRK DR MIDDLETON ID 83644-5656 AND/OR
KEVIN RICH 22843 BUSKIRK DR MIDDLETON ID 83644-5656
2. Accompanied by: Kevin Rich
Phone No: 208-989-7443
Address:
Relationship to permit Holder: Same

3. **SOURCE:**
BOISE RIVER

Tributary
SNAKE RIVER

Method of Determination: Site visit, aerial imagery

B. OVERLAP REVIEW

1. Other water rights with the same place of use: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
Farmers Coop Ditch Co	Multiple	Irrigation	Decreed

Comments: Farmers Cooperative Ditch Company water rights overlap the place of use. The permit holder confirmed that no shares of Farmer Coop is delivered to the place of use for this permit.

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

Water Right No.	Source	Purpose of Use	Basis

Comments: No overlap present.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**
BOISE RIVER L8 (SE¼ NE¼), Sec. 32, Twp 05N, Rge 04W, B.M. CANYON County

Method of Determination: GPS at 43° 43' 44" N, 116° 50' 4" W

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	
05N	04W	32				3.0 L8													3.0

Total Acres: 3.0

Method of Determination: Site visit, aerial imagery, digital PLSS system

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
n/a	Subaru	n/a	T1180091	Generac	3003015912

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
n/a	n/a	n/a	n/a	n/a	n/a	n/a

2. Measurements: No measurements were taken during the examination.

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

The pump has a maximum stated flow of up to 185gpm (0.41cfs). The department accepts rates of diversion as high as 0.03 cfs/acre for irrigation of up to 5 acres, as per Administrative Memo #17. I am recommending a diversion rate of 0.09 cfs for the purposed license, which is what was requested on their application for permit.

Pump maximum stated flow = 185gpm (0.41 cfs)

Permit allowed = 0.09 cfs

F. VOLUME CALCULATIONS

A volume recommendation for the license is not necessary, per ADAPA rule 035.01.J.viii, as the source is from stream flow.

G. NARRATIVE/REMARKS/COMMENTS

This permit authorizes 0.09 cfs of surface water from the Boise River, tributary to the Snake River, for irrigation purposes in Canyon County. Proof of beneficial use was due on July 1, 2024 and was received by the Department on November 23, 2020. A field exam was conducted by WRA Tyler Smith on June 2, 2021 and was accompanied by Kevin Rich, the permit holder.

The point of diversion was identified as a Generac T20-S pump in the Boise River on the East side of the island. The pump has the capacity to divert up to 185 gallons per minute (0.41 cfs), but is not operated at the maximum capacity most of the time. The pump has a chain and padlock which constitutes a lockable controlling device and satisfies condition 01H. There is also a screen on the intake pipe to prevent debris from clogging the pump. The point of diversion is under the administration of Water District 63, and the license should maintain all applicable conditions for regulation by the Watermaster.

Water is diverted by the pump to 15 different sprinklers located throughout the place of use via 2" poly lines. Only 2 to 3 sprinklers are run at a time to maintain pressure, and the 2" poly lines connect to 1 ¼" pvc sprinkler lines at the base of the sprinkler mounts. The sprinklers are run until the pump runs out of gas, which is approximately 4 to 5 hours a day.

The place of use is 3 acres of an island within the Boise River waterway. Deeds provided with the application confirm that the land is owned by the permit holders and that they have the authority to access the property. A rotation of crops are grown on the three acres including but not limited to sorghum, corn, buck wheat, rice and turnips. Although the irrigation of 3 acres falls within the limits of an in-office exam, a field examination was conducted due to the tree cover over the place of use.

Have conditions of permit approval been met? ☒ 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	0.09 CFS	

Totals: 0.09 CFS

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 ☒ None

I. AUTHENTICATION- Field Examiner- Tyler Smith -

Water Resources Agent's Name _____ Date _____

Reviewer AS _____ Date 2/11/26 _____



Fig. 1 – POD is a pump in the Boise River GPS at

43° 43' 44" N

116° 50' 4" W



Fig. 2 –Generac Pump is fitted with a Subaru motor which has the capacity to pump up to 185 gallons per minute.



Fig. 3 – Motor specs.

Prod. No: 210DZ7011

SN: T1180091



Fig. 4 – Water pump data specs:

Model: 0069200

SN: 3003015912

GPM/LPM: 185/700

Feet/Meter: 98/29.8



Fig. 5 – Lockable controlling works installed on the pump.



Fig. 6 – 15 sprinkler heads total throughout the field, but only 2-3 are run at a time.



Fig. 7 – View of irrigation place of use from the East side of the field, looking West.



Fig. 8 – 2" mainlines connect to 1 1/4" sprinkler lines.

