

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 3-10295
Exam Date: 10/29/2025

1. Current Owner:
DAVID MARTIN 863 EATON RD WEISER ID 83672-5079 AND
LISA MARTIN 863 EATON RD WEISER ID 83672-5079
2. Accompanied by: David and Lisa Martin
Phone No: 530-370-1013
Address: 863 Eaton Rd. Weiser, ID 83672
Relationship to permit Holder: Permit Holders

3. SOURCE:
SNAKE RIVER

Tributary
COLUMBIA RIVER

Method of Determination: Proof of Beneficial Use, In-Person Field exam

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
3-10294	Snake River	Irrigation	Permit
67-2169	Weiser River	Irrigation	License
67-11573	Groundwater	Domestic	Decreed
67-4173	Warm Springs Creek, Scott Creek	Irrigation	Decreed
67-14704	Crane Creek	Irrigation Storage, Irrigation from Storage	Decreed

Comments: 3-10294 is an active permit owned by David and Lisa Martin for Irrigation, overlapping by 1.6 acres in 11N 06W NENE Lot 1. 67-2169 and 67-14704 are examples of several irrigation rights owned by Weiser Irrigation District and Crane Creek Reservoir Administration Board, respectively with the same POU. 67-11573 is a domestic right owned by the Martin's. 67-4173 is a complete overlap owned by David and Lisa Martin for irrigation of 108 acres and a diversion rate of 2.11 cfs.

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

Water Right No.	Source	Purpose of Use	Basis
3-10294	Snake River	Irrigation	Permit

Comments: Right 3-10294 is a complete POU overlap, sharing the POD with 3-10295, though it has two points of diversion listed.

C. DIVERSION AND DELIVERY SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

SNAKE RIVER L3 (SW $\frac{1}{4}$ NW $\frac{1}{4}$), Sec. 20, Twp 11N, Rge 06W, B.M. WASHINGTON County

44.27623 -117.09371

Method of Determination: In-Person Field Exam, OnX GPS

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	
11N	06W	19	2.0 L1																2.0
11N	06W	20						3.0	28.0 L3	25.0	25.0	25.0 L2							106

Total Acres: 108

Method of Determination: In-Person Field Exam, 2023 ArcGIS Aerial Imagery

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
Snake River POD	Baldor Reliance	15	22410160191	Berkeley B52PBH	001C25R

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Transducer	Closed Conduit	Transport	PT878	305120	N/A	March 2025

2. Measurements: A closed conduit measurement was collected, measuring velocity, volume, and fwd gallons.

WR 3-10295 Snake River POD			
Time	Velocity (ft/s)	Volume (ft3/sec)	FWD Gallons
11:38:00	4.08	2.05	533666.7
11:39:00	4.01	2.01	534584.8
11:40:00	3.8	1.9	535526.1
11:41:00	3.95	2	536428.4
11:42:00	4.2	2.11	537331.8
11:43:00	4.04	2	538268.7
11:44:00	4.04	2	539173.7
11:45:00	4.12	2.1	540104.5
11:46:00	3.79	1.9	541008.9
11:47:00	3.81	1.9	541933.2
11:48:00	4.08	2.1	542832.6

IDWR Closed Conduit Field Measurement:

$$\frac{542832.6 - 533666.7 \text{ gallons} * 0.00223}{10} = 2.04 \text{ CFS}$$

Idaho Power Company Closed Conduit Field Measurement:

Idaho Power had conducted a flow measurement at the point of diversion for David Martin on September 15, 2025. The equipment used by Idaho Power was a Fuji ultrasonic flow meter calibrated within +/- 3% annually. Idaho Power detected a flow rate of 967.5 GPM, or 2.16 CFS.

$$967.5 \text{ GPM} * 0.00223 = 2.16 \text{ CFS}$$

Difference:

$$\frac{2.16 \text{ CFS} - 2.04 \text{ CFS} * 100\%}{2.16 \text{ CFS}} = 5.55\% \text{ Error}$$

Theoretical Calculation:

$$\frac{8.8 * 15 \text{ HP} * 0.77 \text{ eff}}{[10\text{ft} + (10 \text{ psi} * 2.31)]} = 2.99 \text{ CFS}$$

Per AP Memo 3:

$$0.02 \text{ CFS} * 108 \text{ acres} = 2.16 \text{ CFS}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 107.4 \text{ acres} * 4.5 \text{ AF} = \mathbf{483 \text{ AF}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 2.16 \text{ cfs} * 259 \text{ days} * 1.9835 = 1,109.6 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \mathbf{483 \text{ AF}}$$

G. NARRATIVE/REMARKS/COMMENTS

An application was received to the Department on March 13, 2024, to appropriate 2.16 CFS from the Snake River for irrigation of 108 acres. This permit was proposed as supplemental to right 67-4173, which utilizes Scott Creek and Warm Springs Creek for the same 108 acres as permit 3-10295. Permit 3-10295 was later approved on May 10, 2024, with a Proof of Beneficial Use due date of May 1, 2029. Proof was submitted to the Department on September 22, 2025, and a field exam was conducted on October 29, 2025. The permit was approved with condition R65 stating that the permit and all combined rights should not exceed 0.02cfs per acre or 4.5 acre-feet annually. This condition was placed since the right overlaps completely with rights 67-4173 and partially overlaps in 1.6 acres with permit 3-10294. Permit 3-10294 project construction for irrigation of 40 acres at a diversion rate of 0.80 cfs had commenced, but not completed, by the time of this field exam and uses two points of diversion, one of which overlaps with right 3-10295.

It should be noted that the place of use expands into the SWSW L1 by 10 yards, as measured via ESRI 2023 aerial imagery. The area of irrigated land in SWSW L1 includes 0.09 acre and is on David and Lisa Martin's parcel. The place of use for 67-4173 does not include SWSW L1 though the developed place of use is a complete overlap. This may simply be a discrepancy between the imagery layer and PLS system, and I do not recommend an amendment to the license.

During my field exam, I collected a closed conduit flows measurement at the point of diversion, showing a diversion rate of 2.04 CFS at the time of the field exam. It should be noted that there was noise interference at the location of the measurement, as a noise notification appeared while I measured the wall thickness of the pipe. I proceeded with the measurement, though the error is high due to the noise interference. On September 15, 2025, the same measurement was collected by Idaho Power Company (IPC), showing a diversion rate of 2.16 CFS, the permitted diversion rate. Item E shows both flows measurements, theoretical calculation, and percent difference for IDWR and IPC measurements. Since the IPC measurement was provided (figure 8) and the equipment used to collect said measurement, I recommend that the diversion rate of 2.16cfs is licensed.

Condition 121 was replaced with 103, per Department standards.

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>	<u>Volume</u>
IRRIGATION	03/01 to 11/15	2.16 CFS	483 AFA

Totals:

2.16 CFS

483 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
 ☒ None

I. AUTHENTICATION Kate Englund - Water Resource Agent

Field Examiner's Name Kate Englund Date October 31, 2025

Reviewer Scott King Date February 5, 2026





Figure 1 System diagram including buried mainline, gated pipe, above-ground mainline, open ditch, and point of diversion. The diagram includes 2023 ESRI imagery of the irrigated place of use.

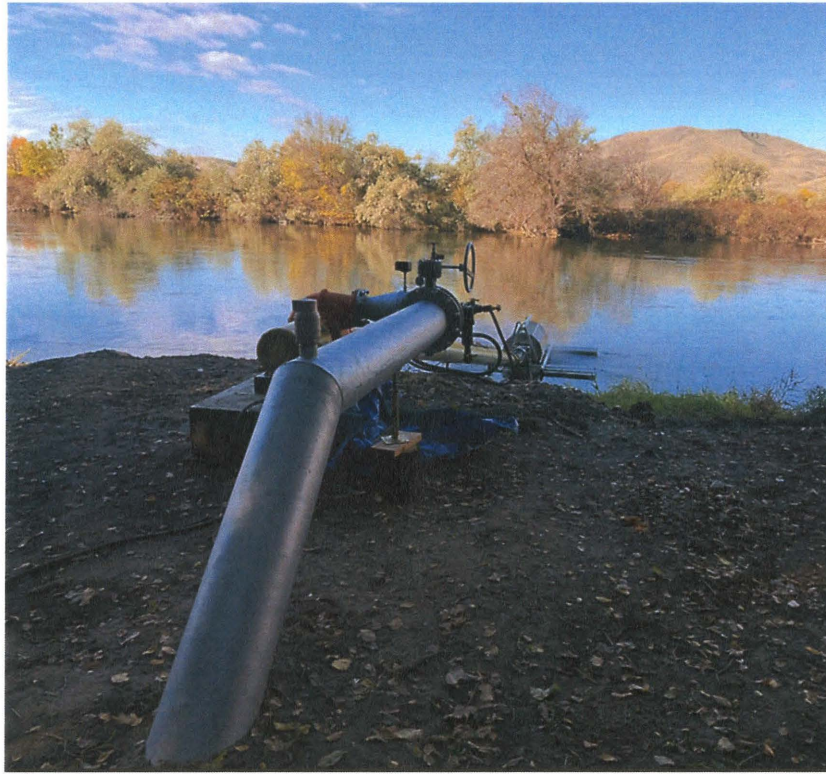


Figure 2 Point of diversion from Snake River.



Figure 3 Point of diversion from Snake River with closed conduit flow meter attached. Photo includes Baldor Reliance pump motor and straight length conduit.



Figure 4 Pressure gage reading 10psi at the time of the field exam.

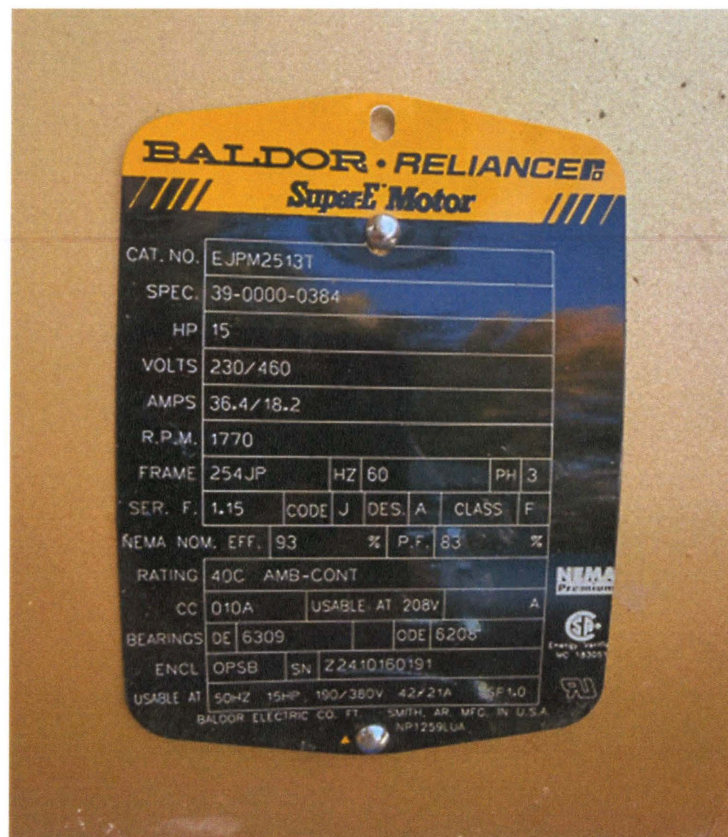


Figure 5 Baldor Reliance SuperE motor specification tag including pump horsepower, serial number, and model number.



Figure 6 Motor specification tag displaying model number.

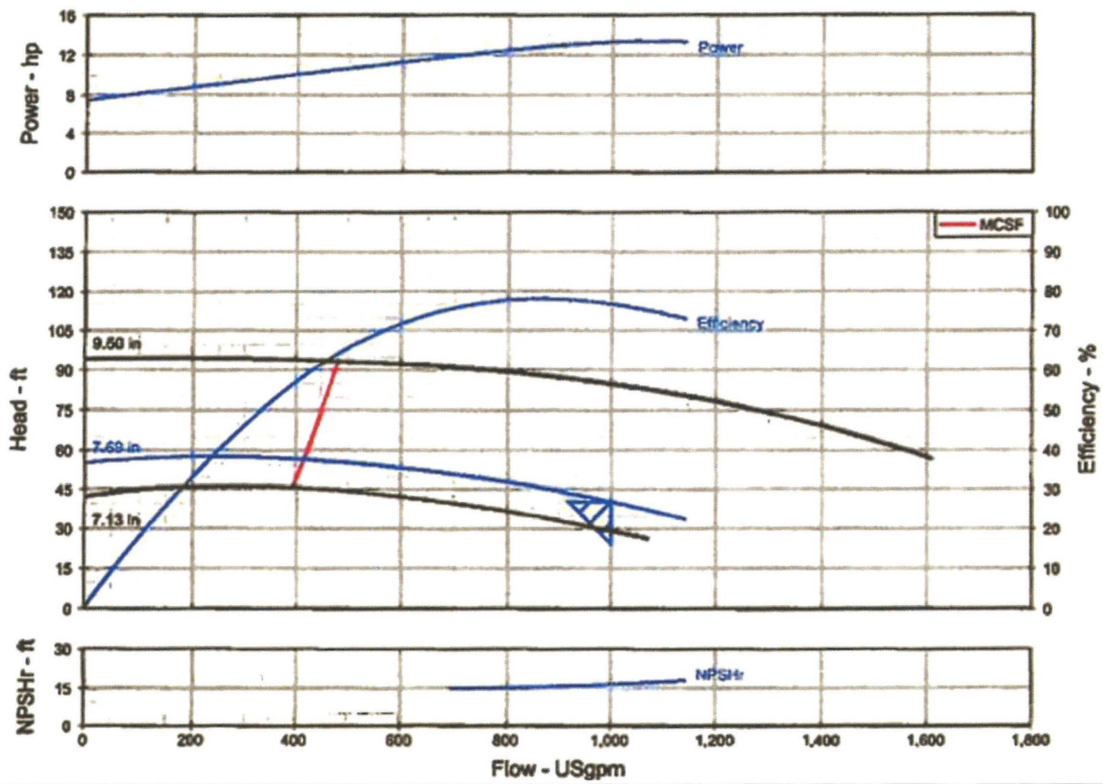


Figure 7 Pump efficiency curve, provided by WR owner. The curve shows a 77% efficiency.

To: David Martin
863 Eaton Road
Weiser, Idaho 83672
Re: Pump Flow Test
From: Duane Pearson
Agricultural Representative
Idaho Power Company
Date: 9-15-2025

Results:

Brady Kinney and Duane Pearson, with Idaho Power, completed a pump flow test on pump number 11N06W2004 (15 HP motor with a Berkeley B5ZPBH pump). The following conditions were measure using a Fujl ultrasonic flow meter:

967.5 gpm @ 10 psi

Note: meter is calibrated annually to within +/- 3%

Included on the following pages of this report are pictures of the pumping station, motor, pump and gauges.

Figure 8 Pump Flow Test conducted by IPC, provided to the Department by David Martin.



Figure 9 South facing photo of irrigated field within 11N 06W S20 SWNW L3.



Figure 10 North facing photo of irrigated field within 11N 06W S20 NWSW L2.



Figure 11 West facing photo of irrigated field within 11N 06W S20 NWSW L2.



Figure 12 Northwest facing photo of irrigated field within 11N 06W S20 NESW. Photo includes open ditch associated with WR 67-4173.



Figure 13 Northeast facing photo of irrigated field within 11N 06W S20 NESW. Photo includes open ditch associated with WR 67-4173.