

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-18086
Exam Date: 06/27/2024

1. Current Owner:
THE 6530 MAPLEWOOD TRUST 6530 E MAPLEWOOD AVE POST FALLS ID 83854-7070
2. Accompanied by: DAVID GENCARELLA
Phone No: (208) 929-0415
Address: SAME AS ABOVE
Relationship to permit Holder: Permit Holder

3. **SOURCE:**
SPOKANE RIVER

Tributary
COLUMBIA RIVER

Method of Determination: ArcMap & DRG.

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
95-13409	Ground Water	Domestic	Decreed Water Right
95-9198	Ground Water	Municipal	License
95-9307	Spokane River	Irrigation	Decreed Water Right
95-4063	Ground Water	Domestic	Statutory Claim (No Claim filed)

Comments:

- 95-13409 authorizes domestic use for 1 home which normally includes ½ ac irrigation. 95-18086 was originally permitted for domestic and irrigation on the same parcel. The applicant stated during the field exam that the domestic use is only hooked up to the well and the irrigation is the beneficial use from the Spokane River source. There is no overlap for these water rights.
- 95-9198 is a licensed water right which authorizes municipal from a ground water well. The place of use appears to partially overlap this parcel but does not supply water to this parcel.
- 95-9307 is a decreed water right from the Spokane River for irrigation use but is a completely different parcel.
- 95-4063 is a statutory claim from ground water for domestic use but a claim was never filed on this water right.

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

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SPOKANE RIVER SW¼ NE¼, Sec. 8, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: GPS; POD is a lake water intake pipe from the dock to the shoreline at approximately -116°51.683, 47°41.845

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	
50N	04W	8		1.0 L3			1.0 L2												2.0

Total Acres: 2.0

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.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
Spokane River	Unknown				

D. FLOW MEASUREMENTS

Flow measurement not required as per IDAPA RULE 37.03.02.035.01.r.iii.

E. FLOW CALCULATIONS

The diversion rate for this irrigation right is limited to **0.06 cfs** or 27 gpm.

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 2.0 \text{ ac} \times 3.0 \text{ afa} = 6.0 \text{ af}$$

$$V_{D.R} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.06 \text{ cfs} \times 246 \text{ days} \times 1.9835 = 29.3$$

$$V = \text{Smaller of } V_{I.R} \text{ and } V_{D.R} = 6.0 \text{ af}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

This permit qualified for an in-office exam. A field exam was conducted on 9/26/2023 with the applicant, David Gencarella, to obtain photographs of the POU/POD and to verify irrigation areas being recommended for licensing. Aerial imagery was used to prove there is a green space from irrigation occurring on the property which enabled me to accurately trace out the active irrigation acreage resulting in sufficient information to license this permit.

The applicants didn't develop a domestic beneficial use under this surface water system. The applicant's domestic use is connected to a well and has a water right #95-13409. I have removed the domestic beneficial use from this permit during licensing review.

The POD is a submersible pump in the lake with a screened intake pipe that goes to the irrigation system shown in the pictures. The line is buried and no measurement could be taken. The irrigation system was operable at the time of my field exam and the owner confirmed the pump size to be a 2 HP pump, not the 5 HP pump that was submitted on the original application and the Statement of Completion. Pump performance specifications illustrate the 2 hp pump is capable of producing 27 gpm or 0.06 cfs. The permit authorized development of 2.0 acres irrigation which was confirmed during my

exam and also using the aerial imagery. I am recommending a maximum diversion rate of **0.06 cfs** based on department standards.

From the POD a 1 ¼ inch poly line routes up slope with an elevation gain of 10 ft (including 15 ft suction lift from river to pump) to the irrigation system. I was unable to determine operating pressures to evaluate head pressure for the system. Irrigation of lawn, landscape, gardens, and treed areas occurs by pressurized zone irrigation. There are a total of 9 zones with 6 sprinklers per zone. I used ArcMap aerial imagery to trace out the 2.0-acre irrigation POU. The annual volume required for 2 acres equals 6.0 af but there are no volumetric reporting requirements toward licensing this surface water source.

I removed condition 029 from the permit during licensing review; the applicant asserts a fish screen is installed by designation on the statement of completion form. I removed 132 associated with domestic use. All other conditions on the permit have been carried forward to licensing. Aside from 95-13409, which is a different source and use, as discussed on page 1 overlap concerns, there are no other overlapping water right concerns for licensing this permit.

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	03/15 to 11/15	0.06 CFS	

Totals: 0.06 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 Tammy Alleman - Water Resource Agent

Field Examiner's Name Tammy Alleman Date 2/27/25
 Reviewer Chris Bue Date 4/25/25

95-18086











