

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-17841

Exam Date: 4/23/2025

1. Current Owner:
FACELESS CEDAR LLC 11065 S CARLIN BAY RD HARRISON ID 83833-7800
2. Accompanied by: BOB HAGEN
Phone No: (208) 449-6177
Address: SAME AS ABOVE
Relationship to permit Holder: OWNER

3. **SOURCE:**
UNNAMED STREAM

Tributary
TURNER CREEK

Method of Determination: ArcMap and DRG. GPS Locator -116 45.693, 47 34.148

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
95-18365	UNNAMED STREAM & GROUNDWATER	IRRIGATION, AESTHETIC, & FIRE PROTECTION	PERMIT- B U EXAM
95-17901	GROUNDWATER	COMMERCIAL	LAPSED

Comments: There is a Beneficial Use Field Exam for water permit #95-18365 currently being processed which is a direct overlap of this water right place of use. Water right 95-18365 is for irrigation, aesthetic and fire protection storage & uses from a pond which is filled by the same POD unnamed stream as this water right. It overlaps the irrigation, but it is for 9 acres which is more than the 6 acres of this water right. Condition X35 will be added to this water right to avoid stacking of irrigation use. These rights, when combined, do not exceed 0.12 cfs for the irrigation beneficial use.

I do not have any overlap concerns with water right 95-17901, it has lapsed and the applicants decided not to pursue the Commercial use.

2. Other water rights with the same point-of-diversion: YES Overlap

Water Right No.	Source	Purpose of Use	Basis
95-18365	UNNAMED STREAM & GROUNDWATER	IRRIGATION, AESTHETIC, & FIRE PROTECTION	PERMIT- B U EXAM

Comments: This permit for water right #95-17841 is using the same point of diversion and the same pipeline that runs to the pond. This is a back-up in case the owners decide to irrigate directly from the unnamed stream instead of pulling from the pond. The main irrigation system is hooked up to the pond and the lines are coming from the opposite side of the intake line to the pond. Mr. Hagen stated this water right would only be used if there was a problem with the system.

C. DIVERSION AND DELIVERY SYSTEM

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

UNNAMED STREAM SW¼ SW¼, Sec. 20, Twp 49N, Rge 03W, B.M. KOOTENAI County

Method of Determination: **ArcMap and 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	
49N	03W	20										1.0	5.0						6.0

Total Acres: 6.0

Method of Determination: **ArcMap and GPS**

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

☒ X 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

☒ X 1:24,000 or greater.☒ X Aerial Photo Attached (required for irrigation of 10+ acres).☒ X 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					

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
5 GAL BUCKET						

2. Measurements: During the field exam on April 23, 2025, a 5 gallon bucket test was performed. Three 5-gallon bucket tests were completed from the point of diversion pipe which is gravity fed to the pond. The test was performed at the direct flow shut off prior to going into the pond. I am recommending a rate of 53.07 gpm = **0.12 cfs**, considering department rounding standards.

E. FLOW CALCULATIONS

Measured Method: 5-GAL Bucket Test = (5 gal / 5.68 sec) x 60 sec/min = 52.82 gpm
 = (5 gal / 5.63 sec) x 60 sec/min = 53.29 gpm
 = (5 gal / 5.65 sec) x 60 sec/min = 53.1 gpm

Average of 3ea 5-GAL Bucket Tests = (52.82 gpm + 53.29 gpm + 53.1) / 3 = **53.07 gpm = 0.12 cfs considering department rounding standards.**

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6 \times 3 = 18 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.12 \text{ cfs} \times 229 = 27.48 \times 1.9835 = 54.5 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 18 \text{ af}$$

1. Volume Calculations for irrigation:

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

I met Bob Hagen on April 23, 2025 and performed the Beneficial Use Field Exam while doing a follow up on water right 95-18365 to get a more accurate flow rate. I took some pictures in July which is the same system that this water right uses. There is a fish screen on the intake that is 100 ft of corrugated pipe to 900 ft of 2" poly pipe. This is gravity fed to the area of the pond. I performed three 5-gallon bucket test measurements from the diversion pipe resulting in an average diversion rate of 53.07 gpm = **0.12 cfs**, considering department rounding standards, which is recommended for licensing purposes as the maximum diversion rate.

During the exam, there was evidence of irrigation of at least 6 acre, which I mapped on ArcMap. There is actually 9 acres of irrigation coming from the pond and this water right would be a back-up and would not be connected to the 6 irrigation systems. This would equate to less irrigation than the complete irrigation. This water right is for 6 acres of irrigation which equates to 18 AFA.

I have added condition X35 to describe irrigation overlap between 95-18365 & 95-17841. All other conditions on the permit have been carried forward to licensing.

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	03/15 to 11/15	0.12 CFS	

Totals: 0.12 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 Tammy Alleman - Water Resource Agent

Field Examiner's Name Tammy Alle Date 5/2/25

Reviewer _____ Date _____

95-17841



100 ft of corrugated pipe to 900 ft of 2-inch pipe to Pond





Intake with Fish Screen



2 Inch Gravity Fed Line Diversion to Irrigation

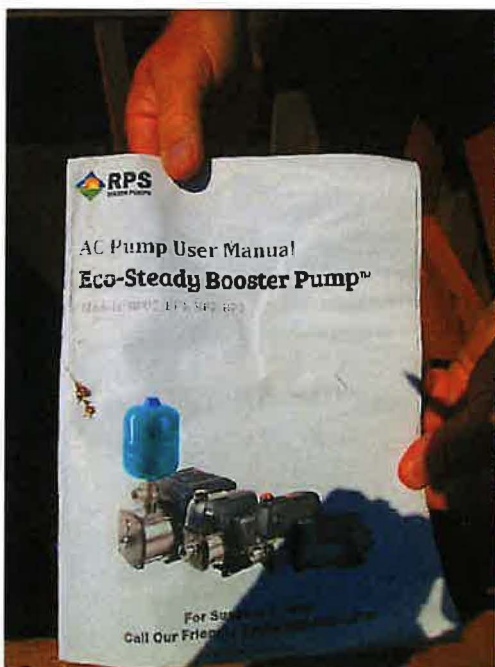


Outflow to Irrigation System from Pond (opposite side of the intake line)





3 HP RPS Booster Pump & Sprinkler Manifold pulling from the Pond





6 Sprinkler Station to 2" Pipe to 1 1/2" Galvanized Pipe with 3/8" Rain Bird Sprinkler Head



Irrigation Uses



Irrigation Uses



Garden Irrigation



Irrigation Uses