

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-10529
Exam Date: 06/18/2024

1. Current Owner:
RAY CROSSINGHAM 114 HORSESHOE LN SANDPOINT ID 83864-7921 AND/OR
CHRISTINE CROSSINGHAM 114 HORSESHOE LN SANDPOINT ID 83864-7921
2. Accompanied by: Christine Crossingham
Phone No: ((208) 597-1008
Address: 114 Horseshoe Lane, Sandpoint, ID 83864
Relationship to permit Holder: Applicant

3. **SOURCE:**
SPRING

Tributary
SINKS

Method of Determination: ArcMap & DRG

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
96-4115	Springs	Stockwater	Statutory Claim
96-4212 Split to 96-9102 & 96-9103	Hornby & Carr Creeks	Stockwater, Irrigation, Domestic	Statutory Claim(s)
96-9543	Pend Orielle River	Municipal	License

Comments: Water rights 96-4115 is a statutory claim and no claim was filed on it so it is not an overlap concern. Water right 96-4212 was split into 96-9102 & 96-9103 the place of use is not the same, so this is not an overlap. Water right 96-9594 is a municipal water right and is not a concern for overlap of 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:**

SPRING NW¼ SW¼ SE¼, Sec. 30, Twp 57N, Rge 02W, B.M. BONNER County
SPRING NE¼ SW¼ SE¼, Sec. 30, Twp 57N, Rge 02W, B.M. BONNER County

Method of Determination: GPS. PODs are springs with pond excavated around the source located at -116°37.185, 48°15.26 and -116°37.138, 48°15.253

PLACE OF USE: STOCKWATER STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	02W	30															X		

PLACE OF USE: FIRE PROTECTION STORAGE

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	02W	30															X		

Method of Determination: Beneficial use field examination and ArcMap 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
SPRING					

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
NONE						

2. Measurements: There is no diversion rate as pond is excavated around spring source to capture spring water.

E. FLOW CALCULATIONS

Measured Method: None

F. VOLUME CALCULATIONS

The annual volume for this right is limited to = **6.3 AF** based on the following calculation:

- 25 head mixed stock x 12 gpd x 365 days = 109,500 gals / 325,850 gal per af = **0.4 af** considering department rounding standards.
- Fire Protection Annual Volume = 2.7 af (pond #1 capacity) + 1.4 af (pond #2 capacity) + 1.0 af (pond #1 seepage/evaporation loss) + 0.8 af (pond #2 seepage/evaporation loss) = **5.9 af**

G. NARRATIVE/REMARKS/COMMENTS

A beneficial use field examination was performed on 6/18/2024. There are 2 ponds excavated around spring sources used by the applicant for stockwater & fire protection storage uses. The DRG layer shows that the Pend Orielle River is near to the ponds but the exam did show they are hydraulically connected. The ponds are located on the spring source(s) and there is no outflow from the ponds, showing they sink.

During licensing review, ArcMap aerial imagery coupled with field notes were used to trace out the ponds surface areas which equal 0.45 acres for pond #1 and 0.36 acres for pond #2, considering department rounding standards. The maximum depth of pond #1 equals 15 ft with an average depth of 6 ft. The maximum depth of pond #2 equals 10 ft. with an average depth of 4 ft. Pond #1 has a capacity of 2.7 af, and an estimated seepage & evaporation loss equals 1.0 af. Pond #2 has a capacity of 1.4 af, and an estimated seepage & evaporation loss equals 0.8 af. Based on the ponds development and current pond analysis sheet calculations, the beneficial uses have an annual volume equal to **6.3 af** total for both ponds.

The maximum diversion volume on the permit was 6.3 af is what I am recommending for licensing. The conditions remain the same.

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>	<u>Annual Volume</u>
STOCKWATER STORAGE	01/01 to 12/31		0.4 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		5.9 AF

Totals:

6.3 AF

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 1/29/2025

Reviewer Chae Belf Date 3/28/2025