

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23630
Exam Date: 05/27/2022

1. Current Owner:
RAYMOND H OXLEY 8326 W IDAHO BLVD LETHA ID 83636-7705 AND/OR
STEPHANIE M OXLEY 8326 W IDAHO BLVD LETHA ID 83636-7705 AND/OR
PETER R OXLEY 8326 W IDAHO BLVD LETHA ID 83636-7705
2. Accompanied by: STEPHANIE M OXLEY
Phone No: 208-571-8651
Address: 8326 W IDAHO BLVD LETHA ID 83636-7705
Relationship to permit Holder: PERMIT HOLDER

3. **SOURCE:**
UNNAMED DRAIN

Tributary
PAYETTE RIVER

Method of Determination: Aerial photography and site visit

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: None

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

UNNAMED DRAIN SE¼ NW¼, Sec. 1, Twp 06N, Rge 03W, B.M. GEM County

Method of Determination: Site visit and GPS at 43°53'13" N 116°38'37" 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	
06N	03W	1					11.0 L3												11.0

Total Acres: 11.0

Method of Determination: Field photos and aerial photography used to verify irrigation use site.

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
1001663	N/A	N/A	N/A	N/A	N/A

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: Area of ditch was measured along with a series of timed rounds of a pinecone covering 10 ft distance.

E. FLOW CALCULATIONS

 x Additional Computation Sheets Attached

Measured Method: Float test

Calculated Rate Irrigation	0.18 cfs
Permitted Total Rate	0.24 cfs
License Recommendation Total Rate	<u>0.18 cfs</u>

F. VOLUME CALCULATIONS

- Volume Calculations for irrigation: No volume on surface water per IDAPA Beneficial Use Exam Rules 35.01. (j). viii
- Volume Calculations for Other Uses: **N/A**

G. NARRATIVE/REMARKS/COMMENTS

The field exam was conducted on May 2, 2022 by Water Right Agent, Marcelina Williams and was accompanied by Mrs. Stephanie Oxley during the field exam. Mrs. Oxley is the property owner and permit holder. No water was being diverted to the irrigation ditch at the time of the exam and a follow up exam was conducted on September 12, 2023. The permit was issued on June 27, 2016, and proof of beneficial use was submitted on July 01, 2021.

The point of diversion (POD) location was confirmed in the SENW QQ of Sec 01, T06N, R03W. An unknown diameter underground steel culvert is used to divert water from the unnamed drain to the irrigation ditch that follows the east side of the POU. This irrigation ditch is used to flood irrigate the 12 acres. Water right overlap review indicates no other water uses for the POU or POD of this right.

The permit authorizes 0.24 cfs and 12 acres for irrigation use within government lot 3 (NENW) Sec 01, T06N, R03W. Irrigation of 11 acres was developed. ArcMap tools and aerial imagery, supported by photos taken during the field exam, were used to verify the 11 acres of irrigation in the POU area. No amendment required to correct the legal description of the POU.

This diversion does not have a pump or motor due to it being a gravity fed system that operates with flood irrigation. A float test was done in the irrigation ditch to establish a diversion rate. Calculations confirmed that 0.18 cfs were flowing through the channel. The total recommended licensed flow rate for irrigation use is 0.18 cfs. Following IDAPA Beneficial Use Exam Rules 35.01. (j). viii no volume is required for this right.

Condition 103 replaced condition 121, R43 replaced 01J, and 26A was removed per department standards. Conditions R65, 185, 176, 004, and B01 were carried forward to the license.

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	0.18 CFS	

Totals: 0.18 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 Marcelina Williams -

Field Examiner's Name Marcelina Williams Date 11/09/23

Reviewer [Signature] Date 11/20/23

Float-Area Method

Name: MW

Date/Time: 09/12/2023

Stream/Ditch: Unnamed ditch

$Q(\text{Discharge}) = \text{Velocity} * \text{Area}$

$\text{Area} = (\text{width} * \text{average depth})$

$\text{Velocity} = (\text{travel distance} / \text{travel time}) * \text{roughness coeff.}$

	Upper Cross-Section	Lower Cross-Section
width (ft) =	3.2	2.4
depth (ft) =	2.3	2.2
depth (ft) =	2.5	2.4
depth (ft) =	2.6	2.4
depth (ft) =	2.4	2.2
depth (ft) =	2.2	2.3
Avg depth (ft) =	2.4	2.3
Area (W*D) = Avg	7.68	5.52
Area (sq. ft) =	6.6	

	<u>Travel Time (sec)</u>	<u>Travel Distance (ft)</u>	<u>Velocity(ft/sec)</u>
Run #1	18.23	10	0.55
Run #2	18.01	10	0.56
Run #3	15.58	10	0.64
Run #4	15.82	10	0.63
Run #5	15.77	10	0.63
Run #6	15.57	10	0.64
Run #7	17.09	10	0.59
Run #8	18.37	10	0.54
Run #9	16.92	10	0.59
Run #10	18.04	10	0.55
Avg. Time (sec) =	16.94		
V (avg) =			0.53
Roughness Coefficient n =	0.05		
Velocity (ft/s)=	0.027		

Q (Discharge)= Velocity * Area

0.18

cfs

DELIVERY SYSTEM DIAGRAM

Water Right No. 65-23630





Fig. 1 – Location of POD Located in the SENW QQ. View looking W. GPS'd at:

43° 53' 13" N

116° 38' 32" W



Fig. 2 – Location of POD in the SENW QQ. View looking East.



Fig. 3 – Conveyance channel view looking South.



Fig. 4 – Location of Well #2.

GPS'd at:

43° 44' 13" N

116° 23' 4.01" W



Fig. 5 – Undeveloped permitted irrigable acres in the SESW QQ. View looking SW.



Fig. 6 – Irrigated acres within the NENW QQ. View facing NW.