

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23300
Exam Date: 10/05/2023

1. Current Owner:
LAST CHANCE DITCH CO PO BOX 428 EMMETT ID 83617

2. Accompanied by: Doyle Fackler, Ditch Manager
Phone No: (208) 890-7331
Address: 118 N. Commercial Ave., Emmett ID 83617
Relationship to permit Holder: Ditch Manager

3. **SOURCE:**
UNNAMED DRAIN

Tributary
PAYETTE RIVER

Method of Determination: On-site Inspection

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
65-54A	Payette River	Irrigation	Decree
65-54B	Payette River	Irrigation	Decree
65-54X	Payette River	Irrigation	Decree
65-13609 (Permit)	Unnamed Drain	Irrigation	Will be License

Comments: Permit 63-13609 will soon be forwarded for licensing

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

Water Right No.	Source	Purpose of Use	Basis
N/A			

Comments: _____

C. DIVERSION AND DELIVERY SYSTEM

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

UNNAMED DRAIN L1 (NW¼ NW¼), Sec. 34, Twp 07N, Rge 01W, B.M. GEM County

Method of Determination: On-site Inspection

- 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
PODID: 907080					

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
V-Notch Weir						

2. Measurements: 0.25 feet on staff gauge = 0.08 cfs per Water Measurement Manual (Table A7-4, Appendix A-9, -USDI Bureau of Reclamation, Third Edition).

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: N/A

F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation: Volume not required per IDAPA 37.03.02 – Beneficial Use Examination Rules

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

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

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

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

I met with Doyle Fackler, Ditch Manager for the Last Chance Irrigation Co. on 10/5/2023. He gave me a tour of the company's system and other major diversions near Emmett. We then drove out to the point of diversion for this right. The point of diversion is located on the southwest end of a pond on the drain ditch. At the diversion there is a concrete structure designed to accommodate a v-notch weir to measure the flow rate.

Doyle inserted a v-notch weir into the concrete structure, and he measured the water flow through the notch at 0.25 feet using a staff gauge. That measurement is equivalent to 0.08 cfs according to Table A7-4 in Appendix A-9 in the Bureau of Reclamation's Water Measurement Manual. I also could see that there was no water staining on the concrete above the water level (prior to inserting the V-notch weir) indicating that we were measuring a flow typical of the high flow from this drain. Doyle stated that the drains flow at a fairly consistent level throughout the irrigation season.

The original permit had two points of diversion. However, Doyle stated that the second point of diversion located in

Government Lot 2 (NWSE) of Sec. 33, Twp 07N, Rge 01W was abandoned.

Measuring device and lockable works conditions on the license were waived by the Watermaster for Water District 65. A condition has been placed on the license stating "Upon specific notification by the Department, the right holder shall maintain a measuring device and lockable controlling works of a type approved by the Department in a manner that will provide the watermaster suitable control of the diversion."

Recommend licensing 0.08 cfs.

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	0.08 CFS	

Totals: 0.08 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

Bill Mills -

Field Examiner's Name

Date

Reviewer

Date

10-16-2023

10/23/2023



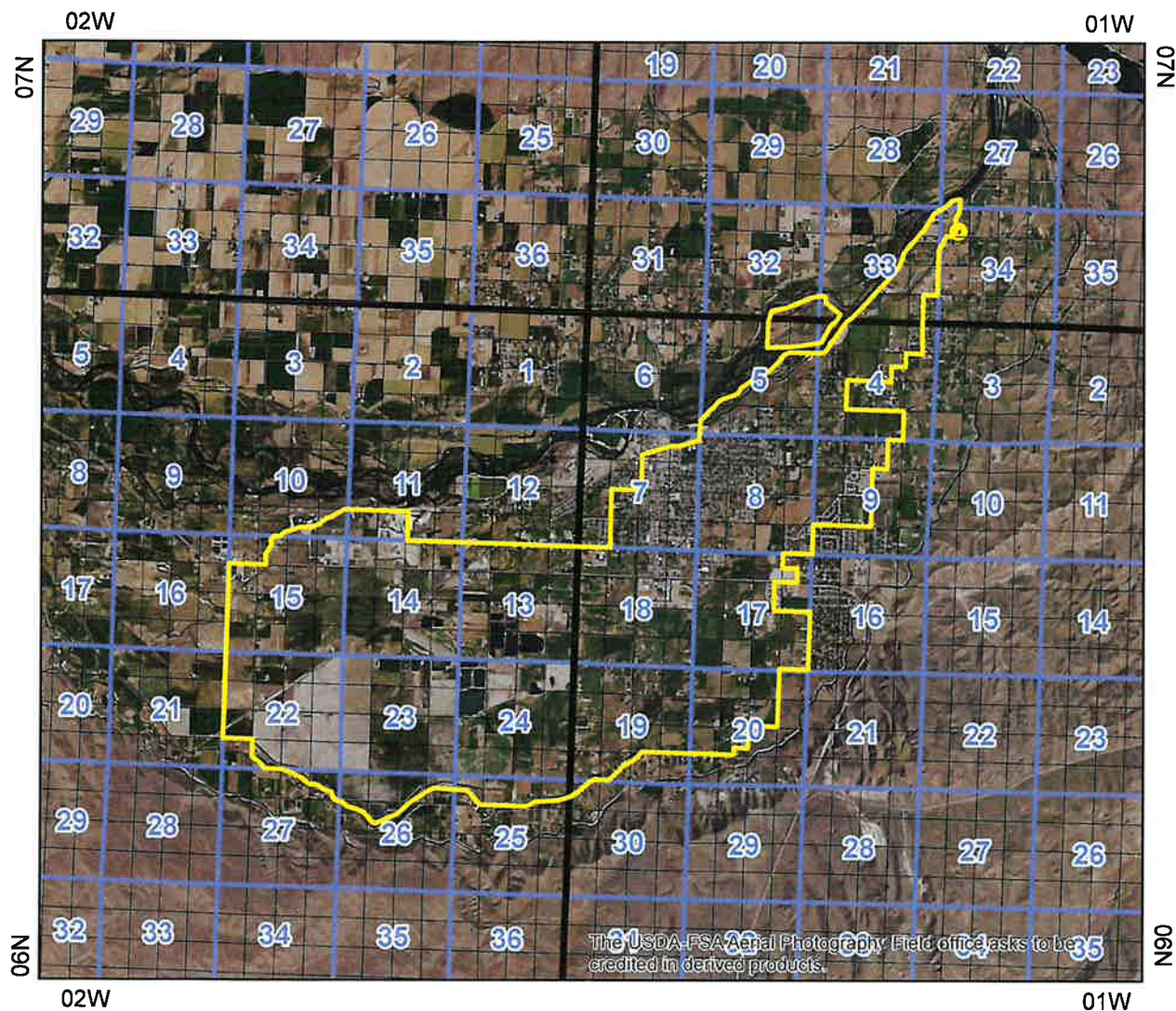
Figure 1: Measuring the diversion



Figure 2: The Measurement

State of Idaho
Department of Water Resources
System Diagram
65-23300

This map depicts the IRRIGATION place of use boundary for this water right and is solely for illustrative purposes.



0 1 2 4 Miles

-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters
-  Point of Diversion

