

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 63-33130
Exam Date: 07/19/2019

1. Current Owner:
JOHN M KIMURA 1381 TORTOSA CT YUBA CITY CA 95993-1179
2. Accompanied by: LARRY
Phone No:
Address:
Relationship to permit Holder: FARMER LEASING THE GROUNDS

3. **SOURCE:**
WASTE WATER

Tributary
BOISE RIVER

Method of Determination: Site Visit

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis
63-34599	Boise River	Irrigation	Decree
63-12113	Boise River	Irrigation	License

Comments: _____

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

Water Right No.	Source	Purpose of Use	Basis
63-34598	Boise River	Irrigation	Decree
63-34599	Boise River	Irrigation	Decree
63-12113	Boise River	Irrigation	License
63-276A	Boise River	Irrigation	Decree

Comments: All rights limited to 0.56 cfs

C. DIVERSION AND DELIVERY SYSTEM

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

WASTE WATER NE¼ NW¼ SW¼, Sec. 8, Twp 05N, Rge 05W, B.M. CANYON County

Method of Determination: GPS, digital PLS map

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	
05N	05W	8										10.0							10.0

Total Acres: 10.0

Method of Determination: Aerial imagery, site visit, digital PLS map

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
No well	Baldor-Reliance	5	F1109260540	Parma Co.	

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date
Flow meter	Ultrasonic	GE	Transport PT878	GAA1620004		2019

2. Measurements:

	Rate (cfs)
1	0.553
2	0.555
3	0.583
4	0.557
5	0.563
6	0.547
7	0.570
8	0.568
9	0.512
10	0.523
11	0.584
Average	0.560 cfs

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

Measured: 0.56 cfs

BU Standard: 10 acres x 0.02 cfs/acre = 0.20 cfs

Fee rate: 1.0 cfs

Permit: 0.28 cfs

 Recommend 0.20 cfs
F. VOLUME CALCULATIONS

1. Volume Calculations for irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 10 \text{ acres} \times 4.5 \text{ afa/acre} = 45.0 \text{ afa}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 103.1 \text{ afa}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 45.0 \text{ afa}$$

2. Volume Calculations for Other Uses:

No other uses

G. NARRATIVE/REMARKS/COMMENTS

This permit authorizes the diversion of 0.28 cfs wastewater to irrigate up to 14 acres of land. Proof of beneficial use was submitted August 10, 2011. I completed this field exam on July 19, 2019.

The point of diversion is located on what is locally known as the Kallarney Slough. A 5-hp electric motor powers a Parma Co. Water Lifter pump. The motor is connected to the pump using two pulleys and a serpentine belt. The motor-side pulley is 7-inches and the pump side pulley is 14 inches. Motor-side speed is 1740 rpms which means the pump side speed is 870 rpms. It is unclear which model water lifter the pump is. The pump diverts water to 6-inch steel mainline which forks running both north and south. Both mainlines terminate at a bubbler which builds head before sending water through gated pipe. The fields are watered one at a time.

I took a Panametric measurement at the start of the gated pipe for the larger field. The total flow averaged 0.56 cfs over 10 minutes. The measurements had a range of 0.07 cfs during the 10-minute period, probably due to the changing level of head in the bubbler. However, the 10-minute average is likely representative of the flow produced by the pump. The diversion rate for this license is limited to 0.20 cfs by the inch-to-the-acre standard for irrigation.

There are four other rights authorizing diversion from the same point. Those rights list the source as the Boise River. Those four rights when combined with the 0.20 cfs recommended for this right add up to 0.56 cfs which is exactly the measured pumping capacity. However, the actual diversion rate is limited by the duty of water for irrigation and the fact that some of the other 4 rights overlap the irrigation for this right.

The permit originally had a requirement that the owner install a measuring device. However, that condition was later waived as shown in the backfile. Ultimately, the owner is now required to report diversion information and supply power records upon request by the department.

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>
IRRIGATION	03/01 to 11/15	0.20 CFS	45.0 AF

Totals: 0.20 CFS 45.0 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

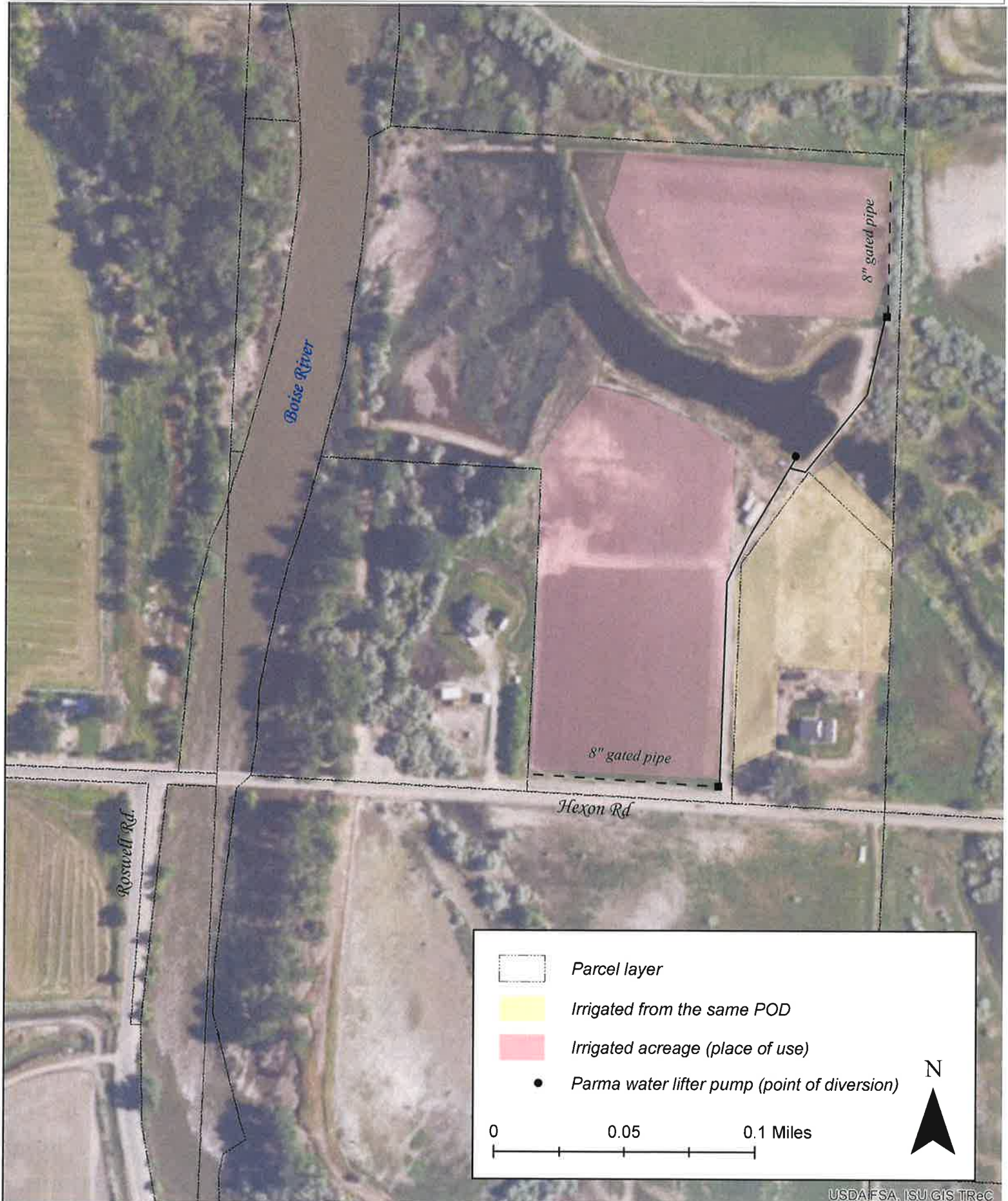
Cody Parker - Water Resource Agent, Senior

Field Examiner's Name Cody Parker Date 7-29-19

Reviewer Patricia Miller Date 7-29-2019

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

Right No. 63-33130



State of Idaho
Department of Water Resources
Beneficial Use Field Report
63-33130

IRRIGATION

05W



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

0 0.0425 0.085 0.17 Miles





The Parma Co. Water Lifter which diverts water from the Kallarney Slough



The specification plate on the electric motor which drives the pump. The motor rotates a 7-inch pulley at 1740 RPMs which then turns the 14-inch pump-side pulley at half the speed.



The Kallarney Slough



Gated pipe from the bubbler used to irrigate the place of use.



The northern bubbler from the pump.

05N05W8

Basin/Seq	Owner	Source	Use	NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
63-11164	PARMA C GROUND IRRIGATION			2																2
63-12113	KIMURA, BOISE R' IRRIGATION				X	X	X	X	X				4							4
63-138C	CARLOCH BOISE R' IRRIGATION			X	X	X	X	X	X											
63-188	CARLOCH BOISE R' IRRIGATION			X	X	X	X	X	X											
63-189	CARLOCH BOISE R' IRRIGATION			X	X	X	X	X	X											
63-190	CARLOCH BOISE R' IRRIGATION			X	X	X	X	X	X											
63-191	CARLOCH BOISE R' IRRIGATION			X	X	X	X	X	X											
63-203C	BRUTSM. BOISE R' IRRIGATION					16					23	30				39	39			147
63-204C	BRUTSM. BOISE R' IRRIGATION					16					23	30				39	39			147
63-209	BRUTSM. BOISE R' IRRIGATION					16					23	30				39	39			147
63-21779	RIVER FL SAND HO IRRIGATION				X	X		X	X		X									
63-21780	RIVER FL SAND HO IRRIGATION				X	X		X	X		X									
63-276A	CRAWFO BOISE R' IRRIGATION												4							4
63-276B	CRAWFO BOISE R' IRRIGATION													24.5						24.5
63-276C	CRAWFO BOISE R' IRRIGATION												2.8							2.8
63-296	CARLOCH BOISE R' IRRIGATION			X	X	X	X	X	X						8.6					8.6
63-32371	FARMER, BOISE R' IRRIGATION														8.6					8.6
63-32373	FARMER, BOISE R' IRRIGATION														15		20	40		75
63-32801	SMYSER, BOISE R' IRRIGATION														16.4					16.4
63-32802	HARDY, / BOISE R' IRRIGATION														15		20	40		75
63-32803	SMYSER, BOISE R' IRRIGATION														16.4					16.4
63-32804	HARDY, / BOISE R' IRRIGATION														16.4					16.4
63-33130	KIMURA WASTE IRRIGATION												10							10
63-34563	HUDSPET BOISE R' IRRIGATION																20			20
63-34564	HUDSPET BOISE R' IRRIGATION																20			20
63-34598	CRAWFO BOISE R' IRRIGATION												1							1
63-34599	CRAWFO BOISE R' IRRIGATION													7.2						7.2
63-4851	CARLOCH SAND HO IRRIGATION			X	X	X	X	X	X											
63-4852	CARLOCH CONWAY IRRIGATION			X	X	X	X	X	X											
63-5129	PARMA II BOISE R' IRRIGATION					40						40				40	40	40	40	280
63-5130	PARMA II WASTE W IRRIGATION					40						40				40	40	40	40	280

Same QQ separate acres, no overlap

Overlapping irrigation from separate source



State of Idaho

DEPARTMENT OF WATER RESOURCES

Western Region • 2735 W Airport Way • Boise ID 83705-5082

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BRAD LITTLE
Governor

GARY SPACKMAN
Director

April 29, 2019

THORPE FAMILY TRUST
23498 BOISE RIVER RD
CALDWELL ID 83607

RE: Scheduling Field Exam for Water Permit No. 63-33130

Dear Permit Holder:

The Idaho Department of Water Resources (IDWR) is planning to conduct water right examinations in the vicinity of the above-referenced permit. An examination is needed to verify water use(s) developed under the permit in order to issue a water right license.

Your permit authorizes the diversion of 0.28 cfs wastewater for irrigation. If you developed a beneficial use of water and still own the place of use property identified in the permit, please contact me at your earliest convenience to schedule an examination.

If you developed a beneficial use of water under the permit but no longer own the place of use property, please use the enclosed Assignment of Permit form (\$25 fee). This will allow IDWR to work with the new permit owner for the license process.

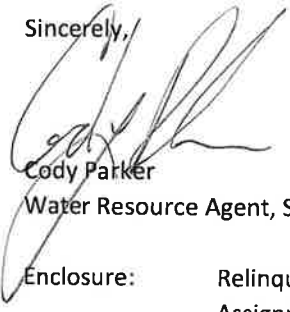
A license cannot be issued if beneficial use of water was not developed or if use was developed but abandoned.

In either of those cases, please relinquish the permit by using the enclosed Relinquishment of Permit form (no fee required). The permit will be voided if a relinquishment form is not submitted for either of those cases.

Please contact me within the next thirty (30) days to schedule an examination or submit a relinquishment or complete an assignment form. If you still own the property in question but do not make a timely response in this regard, the permit will be voided. If you no longer own that property and do not assign or relinquish the permit, IDWR will work with the current property owner to issue a license or void the permit.

Please call me at 208-334-2190 if you have any questions. I appreciate your attention to this matter and look forward to hearing from you.

Sincerely,



Cody Parker

Water Resource Agent, Sr.

Enclosure: Relinquishment of Permit Form
Assignment of Permit Form
Proof Report and Map