

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23073

Exam Date: 7/27/2017

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- Irrigation of 5 acres or less**
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Lynda Reese Bradley
Owner-of-Record Correct? ☒ Yes ☐ No
Address-of-Record Correct? ☒ Yes ☐ No
If No:

The physical address is also known as Blk 1 Lot 2 of Youren Subdivision Division II.

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: C103809

4. SOURCE**TRIBUTARY**

Anderson Creek

Middle Fork Payette River

Method of Determination: photograph and aerial photo identify the POD

Change in Source: ☐ Yes ☒ No**B. OVERLAP REVIEW**

Refer to the attached overlap analysis spreadsheet

1. Other water rights with the same place of use: Overlap? ☒ Yes ☐ No

Water Right No.	Source	Purpose of Use	Basis
unrecorded	Ground water	Domestic	Beneficial use
Split of 65-23031	Gooseberry Creek	Irrigation	Decreed

Comments: 3 acres of the 4.6-acre tax parcel (RP001150010020) is part of the authorized POU for 65-23031. The diversion works from Gooseberry Creek would need to be reconstructed and the right would need to be split again.

½ acre additional irrigation around the house is provided by the domestic well.

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments:

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	¼	¼	¼	Sec.	TWP	RGE		County
Anderson Creek			NW	SE	15	09N	04E	B.M.	BOISE

Method of Determination: The POD location was described by the permit holder in a phone conversation on 7/31/2017 and was referenced to Google Earth photography that we shared.

Change in POD? ☐ Yes ☒ No

Amendment Required? ☐ Yes ☒ No

2. **LOCATION OF PLACE(S) OF USE:** Use: Irrigation

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
24N	22E	29														3.5			3.5

LOCATION OF PLACE(S) OF USE: Use: Stockwater

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
24N	22E	29														X			

Method of Determination: The legal description in the permit is validated by the PLS data and confirmed by aerial photography

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

3.

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

☒ Aerial Photo Attached (required for irrigation of 10+ acres).

☒ Photo of Diversion and System Attached

4. Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1. Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: In-office field exam. No measurements taken

E. FLOW CALCULATIONS

☐ Additional Computation Sheet Attached

	Irrigation	Stockwater
Policy standard	0.03 cfs / ac	12 gpd per head
Permit allowed	0.10 cfs	0.02 cfs
License recommendation	0.10 cfs (limited by permit)	0.01 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.5 \times 3.5 = 12.25 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 231 \times 1.9835 = 13.74 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12.25 \text{ AF}$$

Volume Calculations for Other Uses: 4 horses x 12 gpd/head = 0.05 AF
Total Volume 12.3 AF

G. PURPOSE OF USEIrrigation ☒ Yes ☐ No # Stock 4 horses Domestic # of Homes _____

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Permit 65-23073 authorized diversion of 0.10 cfs for irrigation use and 0.02 cfs for stockwater use. Based on the small permitted diversion rate, this permit qualifies for an in-office field exam.

The legal description of the POU was used to locate the property. Available Boise County tax parcel information shows that the owner of the property containing the POD and POU is Lynda Reese Bradley.

I created the POU shape based on the parcel lines and aerial photography.

I created the POD shape is based on the description given by Ms. Bradley during a phone conversation on 7/31/2017. The pump location is somewhat flexible. An extension cord from the house provides power and limits the distance from the house. The pump is removed from the creek during winter.

During our conversation I also confirmed that she has contacted the watermaster each year that she has owned the property in compliance with condition 7 of the permit.

POU/POD overlap

SRBA decree 65-23031 for irrigation partially overlaps the POU for this right. I relayed that information to Ms. Reese Bradley on 7/31/2017. She is not currently interested in reconstructing the diversion system that would be required in order to resume use of the right.

An additional ½ acre of irrigated landscaping around the house was developed prior to this right. It is authorized through the domestic use from well #825148.

Have conditions of permit approval been met? ☒ Yes ☐ No**I. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	03/15-10/31	0.10 cfs	12.3 af
Stockwater	01/01-12/31	0.01 cfs	0.05 af
<u>Totals</u>		0.10 cfs	12.3 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 ☐ Other
I. AUTHENTICATIONField Examiner's Name Michele Edl Date July 31, 2017

Reviewer _____ Date _____

Workflow

Exam Date Entered ☒
 POU/POD shapes ☒
 Combined Rights Entry ☐
 Wild & Scenic Entry ☐
 Draft License and Maps ☒

Supporting Documents

Historical Imagery ☐ Well Log ☐
 Photographs ☒ Diagrams ☐
 LandSat ☐ Theoretical ☒
 Other: _____

Edl, Michele

From: Lynda Reese Bradley <gardenvalleylynda@gmail.com>
Sent: Thursday, July 27, 2017 3:14 PM
To: Edl, Michele
Subject: Review of 65-23073 Pictures of rotating sprinklers for pasture and single pump I use in Anderson Creek located next to house where I plug in. Not sure pumps size.



POU WR# 65-23073



Diversion system WR# 65-23073



POD WR# 65-23073

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 65-23073
 Reviewer: Michele Edl
 Date of Review: 7/31/2017

P/D No.:	Senerio 1	Senerio 2	Senerio 3	
PUMP HORSEPOWER	0.5	0.5	0.5	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	3.0	3.0	3.0	
DISCHARGE PRESSURE	35	45	55	
RATE OF FLOW (cfs)	0.04	0.03	0.02	0.03
(gpm)	16.49	12.93	10.63	13.35

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: % 70 efficiency
 No Friction

Examiners Notes:

Pump horsepower and lift were estimated by the reviewer but based on photos provided by the permit holder. Discharge pressure ranges from 35-55 psi to account for expected system in use.

Edl, Michele

From: Edl, Michele
Sent: Wednesday, July 26, 2017 4:42 PM
To: 'gardenvallylynda@gmail.com'
Subject: Review of 65-23073
Attachments: 65-23073 pod.jpg

Lynda Resse Bradley,

I believe that you and I have recently talked. I recognized your name and the source of water when I saw this permit. I remember helping you fill out the statement of completion during a phone call a couple weeks ago.

At any rate, I have been assigned to review your water right file and if possible to issue a license for the use. Because available aerial photography gives me a lot of information, I don't believe IDWR will need to pay your property a special visit to inspect the water use.

However, I do need a little information which not available from a satellite.

- Would you assist me with locating the point of diversion (POD)? I have attached a .jpg file which is a Google Earth image of your property. At your earliest convenient moment, would you please either call me and describe the location of the POD or print out this image, mark the location and send it to me?
- I would also like to know the size of the pump that you use. That information will be a factor in a calculation I use to confirm that you have enough flowrate for your use.

I'm looking forward to hearing from you again.

Sincerely

Michele Edl

322 E Front St

Boise ID 83720

208-287-4946

08/30/2006

35 Anderson Creek Rd

reference image WR# 65-23073

Google