

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

A. GENERAL INFORMATIONPermit No: 74-16215

Exam Date: 10/11/2019

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y ___ N
- a. Irrigation of 5 acres or less
- b. Storage of up to 14.6 AF for stockwater purposes only
- c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
- d. Other
2. Current Owner: Name: Bruce Mulkey
- Owner of Record Correct? X Y ___ N
- Address of Record Correct? X Y ___ N
- If No: Address

3. Fees have been paid: X Y ___ N Receipt No: C107698

4. **SOURCE**

Pratt Creek

Method of Determination: GIS examination

Change in Source:

TRIBUTARY

Sandy Creek

___ Y X N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: ___ NONE

Water Right No.	Source	Purpose of Use	Basis
74-16113	Ground Water	Stockwater	License
74-467	Ground Water	Domestic	Decree

Comments: Domestic right 74-467 is owned by Brent Mulkey, who also owns the land at the place of use for 74-16215. WR 74-467 has a nominal shape, and the only home in the QQ is located on western edge, and this is most likely where this right was established for. The place of use for 74-16215 is on the eastern edge of the QQ and it is very unlikely these systems are connected. WR 74-16113 is owned by Bruce Mulkey (permit holder for this review) and also has a nominal shape. The beneficial use exam for 74-16113 explains a system of pipes and troughs that divert water from a well located in the NESW of Sec. 11, T20N, R23E, into troughs located in that same QQ and in the SENW (same QQ as permit under review). The diagram shows the trough in the SENW as located in the west half of the QQ, and well away from the POU for 74-16215. It is clear from the exam for 74-16113, and the information in the file for 74-16215, that these systems are not connected.

2. Other water rights with the same point of diversion: ___ NONE

Water Right No.	Source	Purpose of Use	Basis
74-16038	Pratt Creek	Irrigation	Decree

Comments: WR 74-16038 is an irrigation right held by Julana and Paul Hedt. The application for 74-16215 describes a system that ties into a 3" pipe for 74-16038 and diverts water to a stock tank. There is a signed letter in the file of 74-16215 from Julana Hedt stating she is aware of and has no concerns over this design and diversion.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Pratt Creek			SE	NE	11	20N	23E	B.M.	Lemhi
								B.M.	
								B.M.	

Method of Determination: Permit application map and GIS examination

Change in POD? Y X N Amendment Required? Y X N**2. PLACE 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	
20N	23E	11								X									
		Lot #																	
Total Acres =																			N/A

Method of Determination: Permit application map and GIS examination

Change in POU? Y X N Amendment Required? Y X N

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

 X 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: None taken**E. FLOW CALCULATIONS** Additional Computation Sheets Attached

Measured Method:
None

Measurement = N/A cfs
Permit allowed = 0.03 cfs

License recommend for 0.03 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\hspace{2cm}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\hspace{2cm}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\hspace{2cm}}$$

2. Volume Calculations for Other Uses: None, permit restricted to 13,000 gpd. Recommend this be carried over to the license.

G. PURPOSE OF USEIrrigation Y X N # Stock 100 Domestic # of Homes Other: Change in Purpose of Use? Y X N

Method of Determination: Permit application and statement of completion.

If Yes: From Use To Use Amount CFS AFA **H. NARRATIVE/REMARKS/COMMENTS**

The permit for 74-16215 was approved on May 30, 2019 and proof of beneficial use was submitted on September 9, 2019. A letter submitted in response to the LPI during the application process explained this project as part of a cooperative restoration project with Trout Unlimited. According to this letter, the permit holder used to water cattle at the place of use from an open ditch. The letter explains how the irrigation system associated with that ditch was converted from flood irrigation to sprinkler irrigation in order to conserve water in Pratt Creek for salmon and steelhead rearing and spawning habitat. The project was designed by the Natural Resource Conservation Service in cooperation with several other conservation groups in the area. In order to mitigate the loss of the open ditch, the stockwater diversion to a trough was included in the design.

On the permit application, the system was described as a 3" screened pipe diversion from the creek for WR 74-16038 to a tie in pipeline that gravity feeds to one stockwater tank. The application also stated that a measuring device was already installed at the POD.

The permit holder does not own the land at the POD nor the POU, however there were signed letters submitted with the permit application from the property owners at the point of diversion and the place of use, as well as the owner of water right 74-16038, granting the permit hold access to those lands and diversion of water from the system for 74-16038.

The license recommendations qualify this right as a de minimus stockwater right. It will therefore be excluded from administration by water district 74F and 170.

Conditions 004, 01P and N13 should all remain on the license. Condition X02 should be removed per standard procedure. Condition 029 can be removed, not only did the statement of completion state that a fish screen had been installed, the project was developed in cooperation with multiple conservation entities and agencies with the goal of improving fish habitat, it would be very unlikely that a screen would not have been installed.

Have conditions of permit approval been met? X Yes No

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
Stockwater	01/01 to 12/31	0.03 CFS
<u>Totals:</u>		0.03 CFS

2. Recommended Amendments

___ Change P.D. as reflected above ___ Add P.D. as reflected above X None

___ Change P.U. as reflected above ___ Add P.U. as reflected above X None

Other: < >

J. AUTHENTICATION Scott Storms, Water Resource Agent, Senior

Field Examiner's Name  Date 10/10/19

Reviewer _____ Date _____

Mulkey 74-16215

