

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

A. GENERAL INFORMATIONPermit No: 74-16213

Exam Date: 4/16/2020

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- 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: Dee Ann Crofoot
 Owner of Record Correct? X Y N
 Address of Record Correct? Y N
 If No: Address

The Department's tax parcel data shows the property for the place of use is in the ownership of the Dee Ann Crofoot.

3. Beneficial Use Fees have been paid: X Y N Receipt No: N/A
4. **SOURCE** **TRIBUTARY**
 Sandy Creek Lemhi River
 Method of Determination: GIS, and Tax Parcel Data
 Change in Source: Y X N

B. OVERLAP REVIEW

1. Other water rights with the same place of use: NO Overlap

Water Right No.	Source	Purpose of Use	Basis
74-372	Spring	Domestic and Stockwater	Decreed
74-199	Sandy Creek	Irrigation	Decreed
74-762	Sandy Creek	Irrigation	Decreed
74-763	Sandy Creek	Irrigation	Decreed

Comments: This right is a stockwater right to be used in the ditches associated with water rights 74-199 and 74-762. Some of the place of use directly overlaps 74-199 and 74-762 in the SENE S18 and SWNW S17. This permit also overlaps some of the place of use in the NENE S18 and NWNW S17 covered by water right 74-763. Water rights 74-199, 74-762, and 74-763 are all irrigation rights, so this stockwater right should not be an issue. Water right 74-372 is a spring water right that serves the home and the corrals.

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

Water Right No.	Source	Purpose of Use	Basis
74-199	Sandy Creek	Irrigation	Decreed
74-762	Sandy Creek	Irrigation	Decreed

Comments: This permit is diverted directly out of one of the points of diversion on both of these water rights. The point of diversion is known as SC-10A.

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

Source	Govt. Lot	1/4	1/4	1/4	Sec.	Twp.	Rge.		County
SANDY CREEK			NE	NW	17	20N	24E	B.M.	LEMHI
								B.M.	
								B.M.	

Method of Determination: GIS, Spatial Data, and Tax Parcel dataChange in POD? X N Amendment Required? 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	24E	17						S	S										
		Lot #																	
20N	24E	18	S			S													
		Lot #																	
Total Acres =																			

Method of Determination: GIS and Tax Parcel DataChange in POU? X N Amendment Required? X N 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
SC-10A	NONE				

*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
NONE						

2. Measurements: No measurement is required for an in-house exam.

E. FLOW CALCULATIONS

___ Additional Computation Sheets Attached

Measured Method:

The application for permit stated that there are 175 head of livestock. The permit holder stated that they have cattle and horses. Administrative Processing Memo #3 sets forth standards that can be used when diversion data has not been obtained.

Administrative Memo #3 for 175 cattle or horses = 0.05 cfs for stockwater uses
Permit allowed = 0.05 cfs

I am recommending 0.05 cfs since the permit limitation was based on Administrative Memorandum #3.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

There are 2 basic methods to determine the annual volume. The first method uses Administrative Processing Memo #3 that allows 2.7 af for 101 to 201 animals. The second method uses the standard of 12 gpd per animal for 175 head to come up with 2.4 af $[(175 \times 12 \times 365) / 325850 = 2.35 \text{ af}]$. This permit has a condition that limits the water use to 13,000 gpd, so this permit does not require a volume on the face of the water right. A 175 cattle and horses use approximately 2,100 gallons per day $(175 \text{ head} \times 12 \text{ gpd} = 2,100 \text{ gpd})$, which is less than the 13,000 gpd limitation. Any water not used by the livestock flows back into the creek or is used for irrigation. Therefore, I am not recommending a volume amount.

G. PURPOSE OF USE

Irrigation ___ Y ___ N # Stock 175 Domestic # of Homes ___

Other: < >

Change in Purpose of Use? ___ Y ___ N

Method of Determination: Application for permit.

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

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-house examination. The water is diverted out of the SC-10A head gate on Sandy Creek. Water District records show that water in excess of the permit holder's was diverted out of the Sandy Creek during high flows from the permit holder's diversions. Therefore, the diversion rate associated with this permit should be considered additive to the existing water rights.

The place of use used in the permit was bigger than I could recommend. The permit place of use would have required the permit holder to divert water for stockwater from both of the points of diversion described on the irrigation rights. In a telephone conversation with the permit holder on April 16, 2020, they don't want to use the other point of diversion from the irrigation rights on this permit. The permit holder stated that other irrigation point of diversion is on another person's property, and they are worried about maintenance issues during the winter season. Therefore, I was required to adjust the place of use to avoid the impression that the upper diversion could be used for stockwater.

Fish screen condition 029 was on the permit. The permit holder included an email from the watermaster and the fish and game confirming that fish screens are not required on Sandy Creek at this time. Therefore, she has complied with the Fish and Game requirements.

Conditions 004, 01P, and N05 should be carried forward to licensing. The remaining conditions should be removed. Condition 029 has been accomplished, so we won't carry that condition forward to licensing. This water use is excluded from the water district, but the point of diversion is being measured and monitored for the irrigation purposes.

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>
Stockwater	01/01 to 12/31	0.05 CFS	
<u>Totals:</u>		0.05 CFS	

Please Note: This permit has a condition that limits the use of this permit to 13,000 gpd, so there is no need to include a volume for this permit.

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

Other: < >

J. AUTHENTICATION – DANIEL A. NELSON – WATER RIGHT ANALYST 3

Field Examiner's Name _____ Date _____

Reviewer Angela M. Gumm Date 4/28/2020

Field Exam Map:

The yellow border shows the updated place of use. Please note: It follows the ditch across the property. The yellow dot is the point of diversion. According to the permit holder, the water in the winter time is run through the ditch to the gulley that runs parallel to the road. The gulley is designated by the tree line in the field that runs along the road.

