

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

A. GENERAL INFORMATION

Permit No: 78-12446
Exam Date: 8/19/2019

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? X Y N

Irrigation of 5 acres or less. No other use.

2. Current Owner: Name: TOM MECKEL OR DAWNE MECKEL
Owner of Record Correct? X Y N
Address of Record Correct? X Y N
If No: Address

3. Beneficial Use Fees have been paid: X Y N Receipt No: C102299

4. SOURCE TRIBUTARY
LITTLE SALMON RIVER SALMON RIVER

Method of Determination: Parcels, aerial imagery, hydrography
Change in Source: Y X N

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis

Comments: There are 3 POUs in this QQ, but they are not used on the permit holders' property.

2. Other water rights with the same point of diversion: X YES Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: There are 3 diversions from the Little Salmon River in the same QQ, but they are in different locations with separate pumps.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Little Salmon River			NE	SE	8	23N	01E	B.M.	Idaho

Method of Determination: Aerial imagery, PLSS, County layer, parcels

Change in POD? X N Amendment Required? X N

2. Place(s) of 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	
23N	01E	8													1.0				1.0
Total Acres =																			1.0

Method of Determination: Aerial imagery, PLSS, County layer, parcels

Change in POU? X NAmendment Required? X N

3. Supporting Documents:

___ Delivery System Diagram attached (required). Indicate all major components and distances between components.

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

X Photo of Diversion and System Attached

4. Diversion Pumps:

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
PODID 936320	Unknown	Unk			

D. FLOW MEASUREMENTS

1. Measurement Equipment

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

2. Measurements: This was an in-house examination, so no site visit or measurements were done.

E. FLOW CALCULATIONS

___ Additional Computation Sheets Attached

Measured Method:

The owner said they use hoses and sprinklers. They have 5 portable sprinklers total, but only run 2 or 3 at a time.

Per Administrative Processing Memo #17: 0.03 cfs/acre for irrigation up to 5 acres is acceptable.

Admin memo allows: 1.0 acres x (0.03cfs) = 0.03 cfs

Permit authorizes: 0.03 cfs

License recommended for 0.03 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.0 \times 4.0 = 4.0 \text{ AF} \quad \text{I.R.}$$

$$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 289 \times 1.9835 = 17.2 \text{ AF} \quad \text{D.R.}$$

$$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = 4.0 \text{ AF}$$

2. Volume Calculations for Other Uses: No other uses.

G. PURPOSE OF USEIrrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes _____ Other:Change in Purpose of Use? ☐ Y ☒ N

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

Method of Determination: Permit holder, aerial imagery.

H. NARRATIVE/REMARKS/COMMENTS

The permit holders use a portable pump to irrigate 1 acre with portable hoses and sprinklers. They have installed a fish screen.

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	2/15 to 11/30	0.03 CFS	4.0 AF
<u>Totals:</u>		0.03 CFS	4.0 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

Other: None

J. AUTHENTICATIONField Examiner's Name Paula J. Dillon
Paula J. Dillon, GIS Analyst IIDate 10/31/2019Reviewer Dan Nelson
Dan Nelson, Water Allocation Analyst IIIDate 10-31-19





Irrigated area.



Pump in the Little Salmon River.



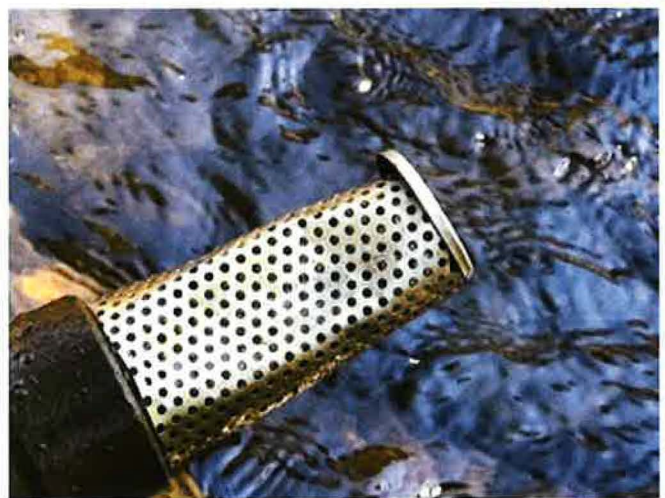
Pump



Pump



Fish Screen



Close up of fish screen