

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

A. GENERAL INFORMATIONExam Date: 12/8/2023

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.r)? X Y N
- a. X 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: Dwaine and Jodi Samson
- Owner of Record Correct? N
- Address of Record Correct? N
- If No Explain: N/A
3. Beneficial Use Fees have been paid: X Y N Receipt No: C117375
4. Source: Tributary:
- Groundwater N/A

Method of Determination: GIS and Tax Parcel Data, and well log legal description.

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
Multiple Weiser Irrigation District Rights	Weiser and Snake River	Irrigation	Decree

Comments: Weiser Irrigation District surface water rights overlap the place of use. However, since they are from a different source. A condition on the permit requires the permit holder to utilize available surface water before groundwater. Therefore, these rights do not overlap with this permit and are likely to satisfy condition 943 on the permit.

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

Water Right No.	Source	Purpose of Use	Basis
N/A			

Comments: N/A

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Groundwater	4		NW	NW	35	11N	06W	B.M.	Washington
								B.M.	
								B.M.	

Method of Determination: GIS and Tax Parcel Data, and the well log legal description.

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

2. Place of Use: Irrigation, 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	
11N	06W	35						1.3, S											1.3
		Lot #																	
Total Acres =																			1.3

Method of Determination: GIS, Tax Parcel Data, and 2023 Google Earth Imagery.Change in POU? Y X N Amendment Required? Y X NDelivery 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

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
N/A					

*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
N/A						

2. Measurement Comments: The permit holder did not provide pump horsepower. Therefore, a diversion rate calculation is not possible.

E. FLOW CALCULATIONS

Additional Computation Sheets Attached

Measured Method: Since the permit holder did not provide a pump horsepower a diversion rate calculation was not possible. According to Administrative Processing Memo #17 the standard diversion rate/acre for the irrigation of 5 acres or less is 0.03 cfs/acre, 1.3 acres * 0.03 cfs/acre = 0.039 cfs or 0.04 cfs rounded. Currently there are no standards to determine the diversion rate for mixed livestock. The standards set for range cattle should be as a substitute. According to Administrative Processing Memo #3 the standard diversion rate for 0-10 mixed livestock is 0.02 cfs. The permit authorized 0.11 cfs total. I am recommending a 0.06 cfs total diversion rate.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (1.3 \text{ acres}) \times (4.5 \text{ af/acre}) = 5.85 \text{ or } 5.9 \text{ af rounded}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.04 \text{ cfs}) \times (260 \text{ days}) \times (1.9835 \text{ af/day}) = 20.6 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 5.9 \text{ af}$$

2. Volume Calculations for Other Uses: Currently there are no standards to determine the diversion volume for mixed livestock. The standards set for range cattle should be as a substitute. According to Administrative Processing Memo #3 the standard diversion volume for 0-10 mixed livestock is 0.2 af. I am recommending a 6.1 af total diversion volume.

G. PURPOSE OF USEIrrigation X Y N # Stock 5 Mixed Livestock Domestic # of Homes N/AChange in Purpose of Use? Y X NMethod of Determination: GIS, Tax Parcel Data, and 2023 Google Earth Aerial Imagery.If Yes: From Use To Use Amount CFS AFA **H. NARRATIVE/REMARKS/COMMENTS**

This permit qualifies for an in-office examination. The permit authorized stockwater for 5 mixed livestock and the irrigation of 3 acres. According to 2023 Google Earth Imagery, 1.3 acres were irrigated within the development period. A condition on the permit, 943, requires the permit holder to make full use of any available surface water before groundwater use. Since there are Weiser Irrigation District rights that overlap the place of use and there is access to the Smith-Hemingway Lateral this condition would be met.

Since the permit holder did not provide a pump horsepower a diversion rate calculation was not possible. The standards set in Administrative Processing #17 and #3 were used to make a diversion rate and volume recommendation. All of the conditions have been met and it has been confirmed a beneficial use was developed within authorization on the permit. Therefore, I am recommending a 0.06 cfs total diversion rate and 6.1 af total diversion volume.

Conditions WB7, R61, and 943 should remain on the license. Condition WB7 should be updated to meet the new total diversion volume. Condition 121 should be changed to 103 as the standard with licensing. Condition 046 should be removed because the permit holder complied with the Department's well drilling permit requirements. Conditions X02 and 26A should be removed as standard with licensing. All other conditions should be removed as standard with licensing.

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>	<u>ANNUAL VOLUME</u>
Irrigation	03/01-11/15	0.04 CFS	5.9 AF
Stockwater	01/01-12/31	0.02 CFS	0.2 AF
	<u>Totals:</u>	0.06 CFS	6.1 AF

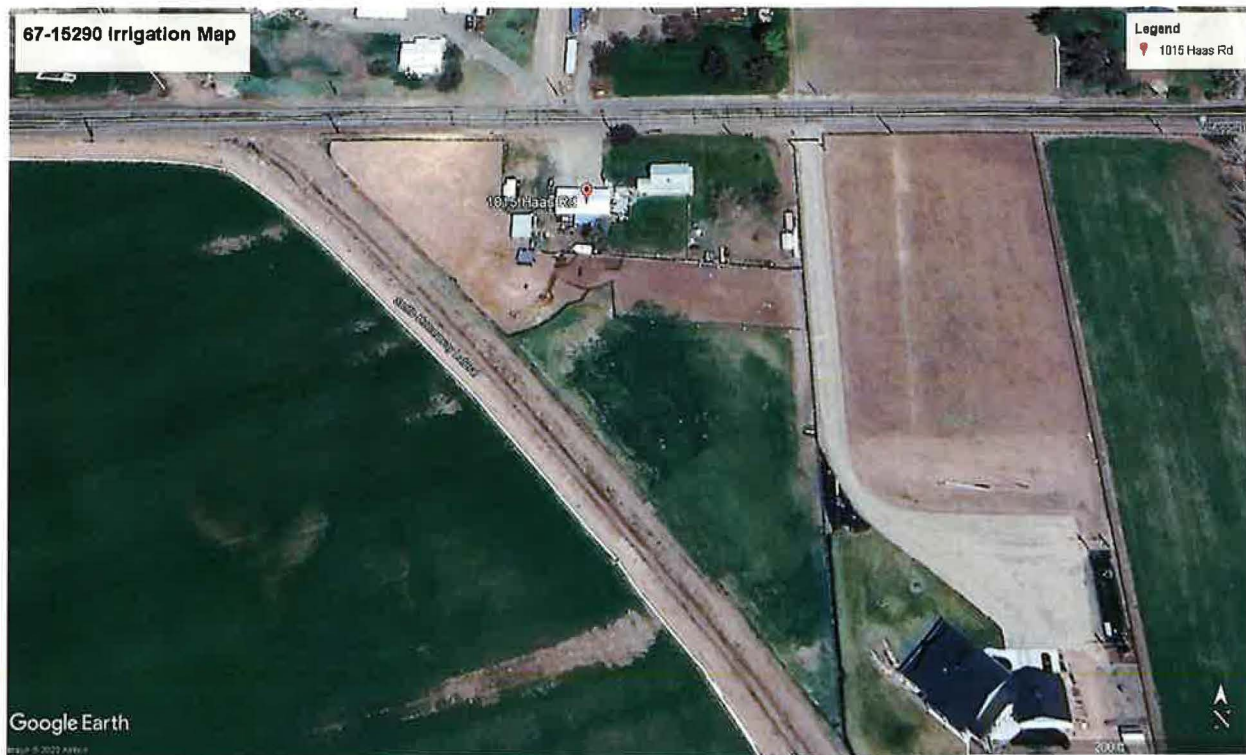
2. Recommended Amendments:

 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**J. AUTHENTICATION**Field Examiner's  Date 12/8/2023Reviewer  Date 2/6/24

Field Exam Map

Map showing the authorized point of diversion (yellow point), irrigated place of use (orange outline) and stockwater place of use (green outline).





2023 Google Earth Aerial Imagery

Imagery indicated 1.3 acres of irrigation occurred during the development period.