

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

A. GENERAL INFORMATION

Exam Date: 1/6/2025

1. Does this qualify for an in-office field exam (IDAPA 37.03.02.035.01.q)? 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: Todd Peterson

Owner of Record Correct? X Y N
Address of Record Correct? X Y N
If No Explain:

3. Beneficial Use Fees have been paid: X Y N Receipt No: C124523

4. Source:	Tributary:
North Fork Salmon River	Salmon River

Method of Determination: GIS, Idaho Tax Parcel Data, and the Permit Holders Statement of Completion for Proof of Beneficial Use (Proof Statement).

Change in Source: Y X N

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Overlap _____ Yes X No

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

Comments: No other water rights overlap the proposed place of use (POU).

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

Water Right No.	Source	Purpose of Use	Basis
Multiple	North Fork Salmon River	Irrigation	Decree
75-10956	North Fork Salmon River	Fish Propagation	Decree

Comments: There are nine existing irrigation water rights overlapping the proposed point of diversion (POD). The delivery system is a ditch from the permitted source to the place of use. None of the existing irrigation WR's are not limited when combined. Therefore, there is no reason to limit this permit with existing irrigation rights. Water right 75-10956 also overlaps the proposed point of diversion. However, since it authorizes fish propagation there is no reason to limit this permit with 75-10956 when combined.

C. DIVERSION AND DELIVERY SYSTEM

1. Location of Point(s) of Diversion:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
North Fork Salmon River			NE	NW	26	26N	21E	B.M.	Lemhi

Method of Determination: GIS, Idaho Tax Parcel Data, and photographs provided with the permit holders Proof Statement.

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

2. Place 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	
26N	21E	26													1.5			0.2	1.7
		Lot #																	
Total Acres =																		1.7	

Method of Determination: GIS, Idaho Tax Parcel Data, 2025 Google Earth Aerial/Streetview Imagery, 2023 NAIP Aerial Imagery, and photographs provided with the permit holders Proof Statement.

Change in POU? Y X N Amendment Re,=quired? Y X N

3. Diversion System Information

Description: The permit holder indicated on their Proof Statement diversion from the North Fork Salmon River enters a main headgate into a ditch with a fish screen installed by the forest service. A measurement device was installed on the main ditch slightly downstream of the fish screen. An intake line is installed in a lateral off the main ditch and water is pumped using a 1.5 hp Flotec pump. Water is distributed to at most two rainbird tripod sprinklers at one time connected with garden hoses.

 Delivery System Diagram Attached. (mark all major components and distances between components)

 X Aerial Photo indicating the location of the recommended POD and POU.

 X Aerial Photo Attached (required)

 Photo of Diversion and System Attached

3. Diversion Id No.*	Motor Make	HP	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Flotec	1.5	FP5172	Flotec	

*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: No measurement is required for permits qualifying for an in-office examination according to the IDAPA Beneficial Use Examination Rules.

E. FLOW CALCULATIONS

 X Additional Computation Sheets Attached

Measured Method: The permit holder indicated on their Proof Statement at maximum flow could not exceed 33 gpm or 0.07 cfs. The permit holder indicate the pump HP (1.5), and lift of 18 ft. Therefore, a theoretical diversion rate calculation was conducted as a comparison. The diversion rate calculation determined the diversion rate capacity would be 0.09 cfs over an average of 30, 40, and 50 psi discharge pressure against the pump. 0.07 cfs seems a reasonable diversion capacity given the permit holders statement and the theoretical diversion rate calculation.

According to Administrative Application Processing Memo #17 the standard diversion rate per acre for the irrigation of 5 acres or less is 0.03 cfs. Due to the number of acres irrigated I am recommending a diversion rate of 0.05 cfs.

(1.7 confirmed acres) * (0.03 cfs/acre) = 0.051 or 0.05 cfs rounded.

Permit Holder Provided Capacity Measurement = 0.07 cfs

Theoretical Diversion Rate Capacity Calculation = 0.09 cfs

Administrative Application Processing Memo #17 Calculation = 0.05 cfs

Permit allowed = 0.12 cfs

Total Recommendation = 0.05 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{See Comment}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{See Comment}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \text{See Comment}$$

Comments: The permit authorizes irrigation with diversion from a natural flowing river. According to the IDAPA Beneficial Use Examination Rules 37.03.02.035.01h.viii if a permit authorizes irrigation with diversion from a natural flowing stream/river or spring reporting a diversion volume at licensing is not required.

G. PURPOSE OF USE

Irrigation X Y N # Stock N/A Domestic # of Homes N/A

Change in Purpose of Use? Y X N

Method of Determination: GIS, Idaho Tax Parcel Data, 2025 Google Earth and 2023 NAIP Aerial Imagery, and the permit holders Proof Statement.

H. NARRATIVE/REMARKS/COMMENTS

This permit qualifies for an in-office exam. The permit authorized diversion from the North Fork Salmon River for the irrigation of 4.2 acres of irrigation. According to maps provided by the applicant in conjuncture with 2025 Goole Earth Aerial/Streetview and 2023 NAIP Aerial Imagery 1.7 acres of irrigation was confirmed within the permit development period. The diversion system consists of a main headgate from the North Fork Salmon River with fish screen and measurement device downstream on the main ditch. A lateral ditch supplies water to the place of use with a 1.5 hp pump diverting water to at most two rainbird tripod sprinklers at one time. There are multiple existing irrigation WR's on the same POD system. However, since none of the existing rights are limited when combined there is no reason to limit this permit with existing WR's.

The permit holder indicated the maximum pumping capacity of the system is 33 gpm or 0.07 cfs. After conducting a theoretical diversion rate calculation, it was determined this capacity is possible and likley. The standards set in Administrative Application Processing Memo #17 was utilized to make a diversion rate recommendation. Reporting a diversion volume is not required at licensing since this permit authorized irrigation diverting from a natural flowing stream according to the IDAPA Beneficial Use Examination Rules 37.03.02.035.01h.viii. All of the conditions on the permit have been met, and development of beneficial use was confirmed within authorization on the permit. Therefore, I am recommending a 0.05 cfs diversion rate for the irrigation of 1.7 acres.

Conditions 196, 197, 198, R67, 004, X59 and X60 should remain on the license. Condition R05 should be added because the authorized POD is within and administered by Water District 75F. Condition 01H should be changed to R02 as is the standard with licensing. Condition 26A should be removed as is the 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	04/01-10/31	0.05 CFS	N/A
<u>Totals:</u>		0.05 CFS	N/A

2. Recommended Amendments:

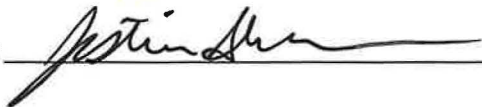
 Change P.D. as reflected above Add P.D. as reflected above X None

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

J. AUTHENTICATION

Field Examiner: Skyler Cheever – Water Resource Agent, Sr – State Office

Field Examiner's  Date 1/6/2026

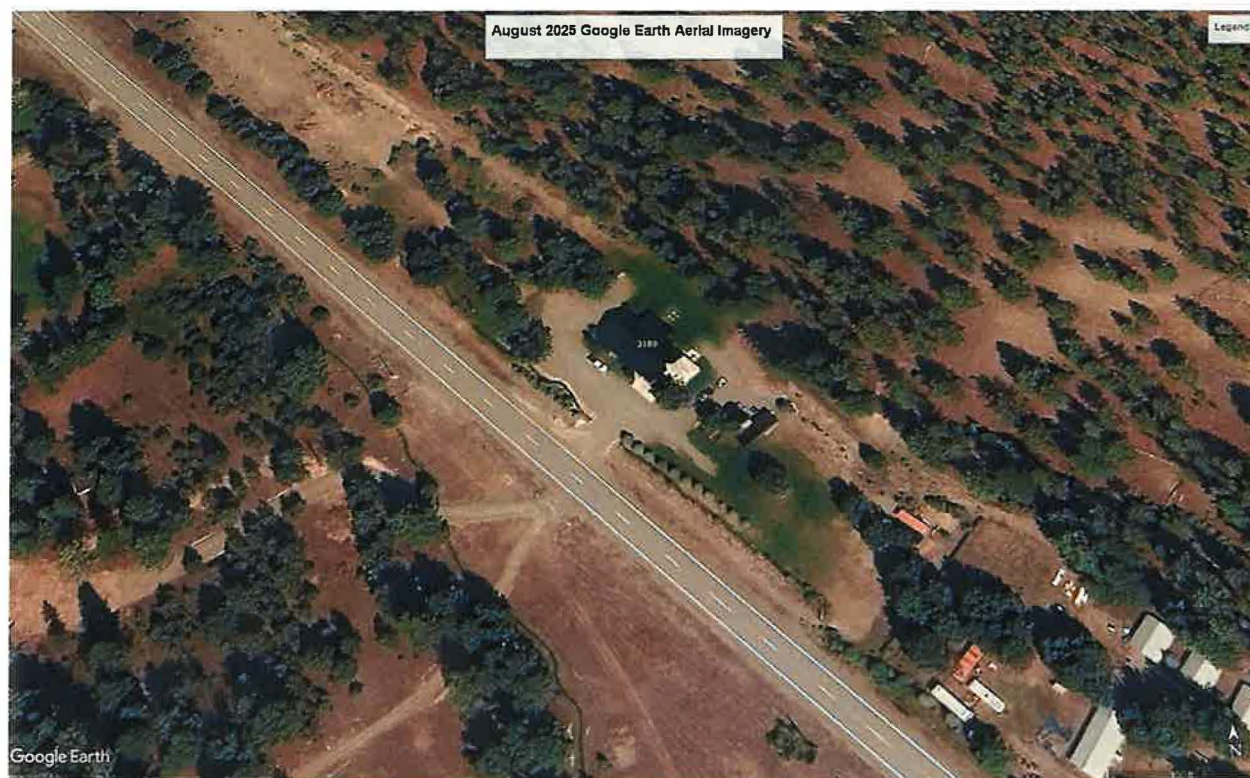
Reviewer  Date 1/8/2026

Field Exam Map

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



2025 Google Earth Aerial Imagery



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 75-14816
 Examiner: Skyler C
 Date of Field Exam: 1/6/2026

	Option 1	OPTION 2	OPTION 3	
P/D No.:				
PUMP HORSEPOWER	1.5	1.5	1.5	
BOOSTER HORSEPOWER	0	0	0	
PUMPING LEVEL	18	18	18	
DISCHARGE PRESSURE	30	40	50	
FRICTION	0	0	0	
RATE OF FLOW (cfs)	0.11	0.08	0.07	AVE
(gpm)	47.5	37.6	31.1	0.09

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.

Examiners Notes:

Lift and pump HP was provided with Proof Statment. A standard psi for small pumps of 40 to 60 psi was used to estimate the pressure against the pump.