STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION **Permit No:** 75-15089

Exam Dates: 11/25/2024
Accompanied by: NA
Examiner: Christian Stewart, IWDR Water Resource Agent

1. Current Owner:

STATE OF IDAHO
DEPT OF FISH & GAME
PO BOX 25
BOISE ID 83707-0025

2. **SOURCE: SALMON RIVER** **TRIBUTARY: SNAKE RIVER**

B. OVERLAP REVIEW

1. Place of Use: No overlap for the purpose of use

2. Point of Diversion: None based on shapefile records. 75-4183,-14137,-14138, and-14847 diverted just downstream, possibly in conjunction with the S-04A diversion.

C. DIVERSION AND DELIVERY SYSTEM

Small surface diversion ditch at POD. A rotating barrel screen allows water to pass though the structure for the irrigation rights. A 0.8 ft diameter circular pipe returns water and fish back into the stream at the place of use. A 4-inch diameter plate controls the bypass flow into the pipe.

1. **POINT OF DIVERSION:**

SALMON RIVER NW¼ SE¼, Sec. 6, Twp 22N, Rge 22E, B.M. LEMHI County

S-04A
Method of Determination: Field inspection

2. PLACE OF USE: FISH PROPAGATION

Twp	Rng	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
22N	22E	6														X			

Method of Determination: Site inspection.

D. FLOW MEASUREMENTS

Submerged orifice theoretical calculation (inlet controlled):

H Head from center of orifice: 2.0 ft (measured at high water mark)
A Area: 0.087 ft^2 (.33ft diameter)
G Gravity: 32.2 ft/s
C Coefficient of Discharge: 0.67 (experimentally determined at similar bypass structures, see memo in 72-16752)

Q(cfs) = CA*sqrt(2GH) = **0.66 CFS**

F. VOLUME CALCULATIONS

$V_{D.R.}$ = [Diversion Rate (cfs)] x (Days in Irrigation season) x 1.9835 = 0.66 x 214 x 1.9835 = 282 AF.

G. NARRATIVE/REMARKS/COMMENTS

The diversion meets department requirements for a lockable headgate. Use of water was confirmed to be non-consumptive; all water diverted was returned to the stream below the place of use. Proof of beneficial use was submitted within the permit development timeline.

Have conditions of permit approval been met? X Yes ____ No

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use	Rate of Diversion	Annual Volume
FISH PROPAGATION	04/01 to 10/31	**0.66 CFS**	**282**
	Totals:	0.66 CFS	282 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

I. AUTHENTICATION Christian Stewart, IDWR Water Resource Agent

Field Examiner's Signature Christian J Stewart

Date 12/5/2024

NW
N
NE
300
330
0
30
60
5°N (T)
45.264559°N, 113.901111°W ±36ft
3.0
2.0
25 Nov 2024, 10:20:52

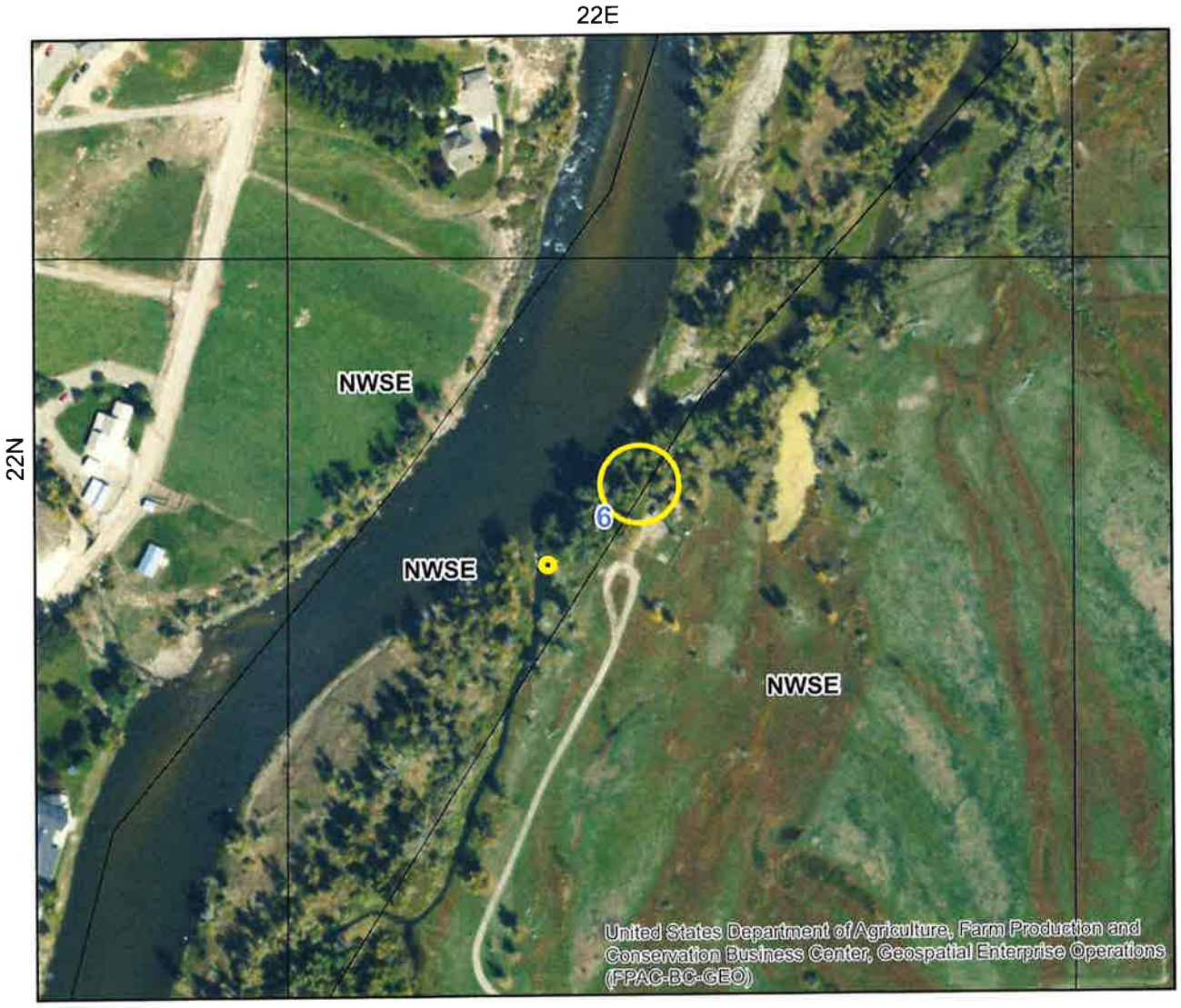
State of Idaho
Department of Water Resources

Water Right

75-15089

State Of Idaho

November 27, 2024



0 0.035 0.07 0.14 Miles

Place Of Use Boundary

Point of Diversion

State Outline

Townships

PLS Sections

Quarter Quarters

N