

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 97-07405

Exam Date: 7/2/2004

1. Current Owner:
CARL W CLIFF 1794 BLUE LAKE RD PRIEST RIVER ID 83856 (208) 448-1479
2. Accompanied by: Carl Cliff
3. **SOURCE:**
BLUE CREEK
- TRIBUTARY:**
PRIEST RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 97-2022 (Domestic from a spring)
2. Other water rights with the same point-of-diversion: None

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

BLUE CREEK SE¼NE¼ Sec. 22, Twp 57N, Rge 04W, B.M. BONNER County

Method of Determination: Maps and GPS. POD located at -116° 48.469, 48° 16.624

2.

PLACE OF USE: FIRE PROTECTION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
57N	04W	22	X			X													

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	
57N	04W	22	0.4			0.6													1.0

Total Acres: 1

Method of Determination: Google Earth and Arcmap.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.
☒ Indicate weir size/pipe as applicable.

☒

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

☒

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

☒

Photo of Diversion and System Attached

4.

Well or Diversion ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	GOULDS	1	06017CH	CENTRIPRO	

*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
5 GALLON BUCKET						

2. Measurements: 5 gallon bucket test performed

Filled in (24, 23.9, 24) average of 24 seconds which is 12.5 gpm or 0.03 cfs

E. FLOW CALCULATIONS

Measured Method: N/A

_____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1 \text{ AC} \times 3.0 \text{ AF} = 3.0 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ CFS} \times 214 \times 1.9835 = 12.7 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 3.0 \text{ AF}$$

2. Volume Calculations for Other Uses: N/A

G. NARRATIVE/REMARKS/COMMENTS

This permit was originally examined on 7/2/2004 and a write up was written and returned the state office. In 2018 the northern regional office received all state office vault files from our region for licensing or re-examine for enough information to license. This license was re-examined to determine actual location of POD and actual irrigated acreage.

Field exam with applicant, Carl Cliff, showed a pump diverting water from Blue Creek. In 2004 exam you could see a pump with pipe going into creek. During the current exam, that pipe was no longer present and Mr. Cliff had replaced it with a stilling well diversion instead. Mr. Cliff said that logging on the hill above or the years had left a lot of sediment that was blocking his diversion pipe. He replaced that diversion with a culvert going down and a section going into or near the creek that would filter the water for clean pumping. The pump was a 1hp Goulds Centripro pump that diverted 12.5 gpm. A 5 gallon bucket test was performed because the system ran directly off the pump with no pressure tanks. The 5 gallon bucket filled in 24 seconds.

Mr. Cliff irrigated grass areas around his house and along the road. He also irrigated a garden and grassy area across the street on property that he also owned. The total amount of acreage was equal to 1.0 acre. Mr. Cliff had also applied for fire protection which he could use his system for as well as irrigation. License will be issued for 0.03 cfs for irrigation and fire protection.

Conditions 077 and R66 were on the permit and will remain on the license. It was discussed whether we should add a MSF condition because Blue Creek flows into Priest River (97-7380). We felt a condition that could restrict the permit should not be added at time of licensing because it was not on the original permit. We will also not add a condition like X15 (fish screen) because it was not on the permit. Condition 004 was added because property is located on two sides of the road and could possibly be split in future. The source was listed as Blue Creek which is tributary Blue Lake on the application and permit. Since Blue Creek continues after Blue Lake and feeds into Priest River, the tributary will be changed to Priest River. There is no overlap for irrigation and fire protection. The applicant's property is served domestic drinking water from a spring covered under Water Right 97-2022.

Have conditions of permit approval been met? X Yes No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	0.03 CFS	
FIRE PROTECTION	01/01 to 12/31	0.03 CFS	
<u>Totals:</u>		0.030 CFS	

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

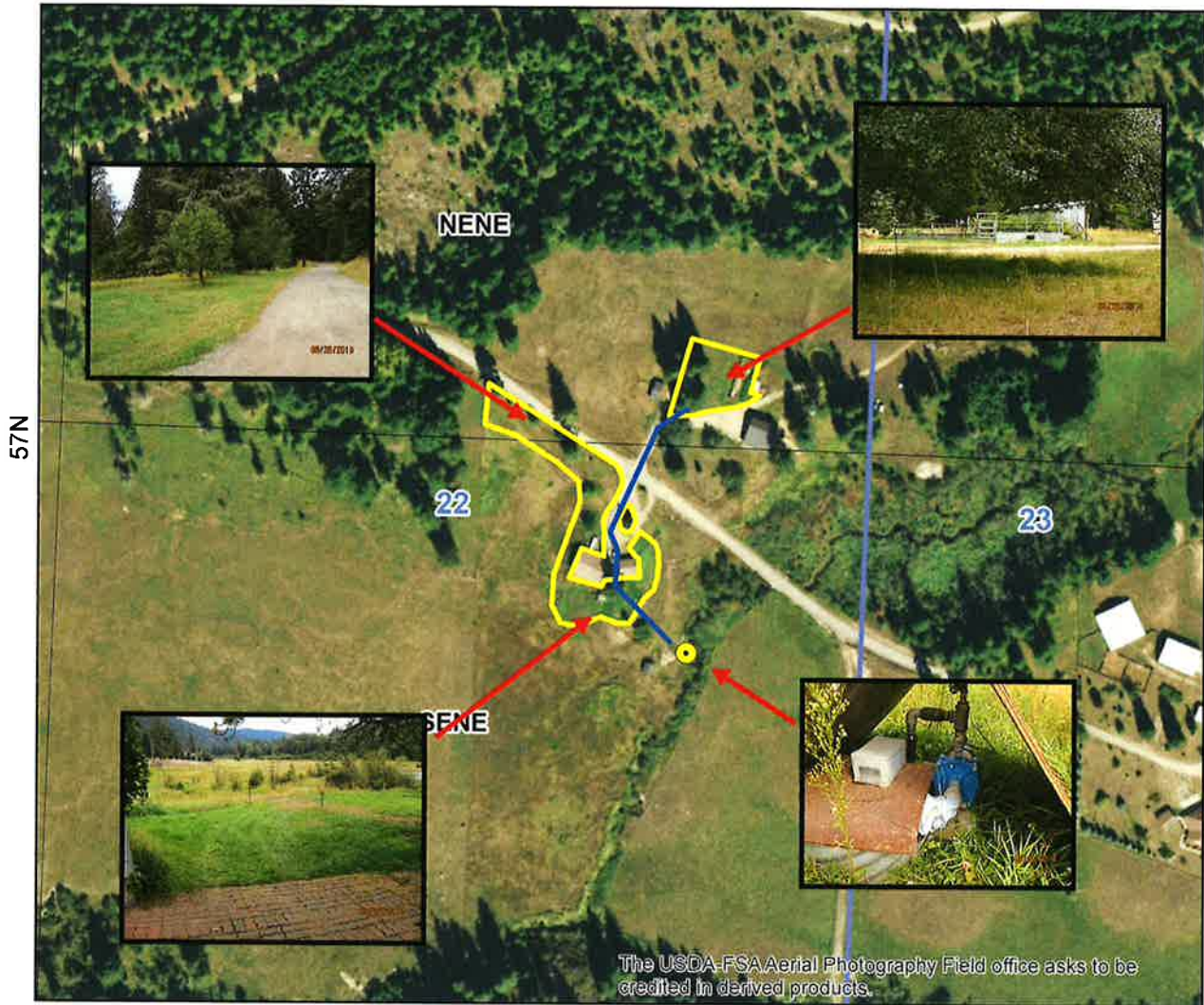
I. AUTHENTICATION

Field Examiner's Name Adam Finkel Date 9/5/2018
 Reviewer Douglas Jones F.E. Date 1/28/2019

State of Idaho
Department of Water Resources
Attachment to Field Exam
97-7405

IRRIGATION / SYSTEM DIAGRAM

04W



- Point of Diversion
- Place Of Use Boundary
- Townships
- PLS Sections

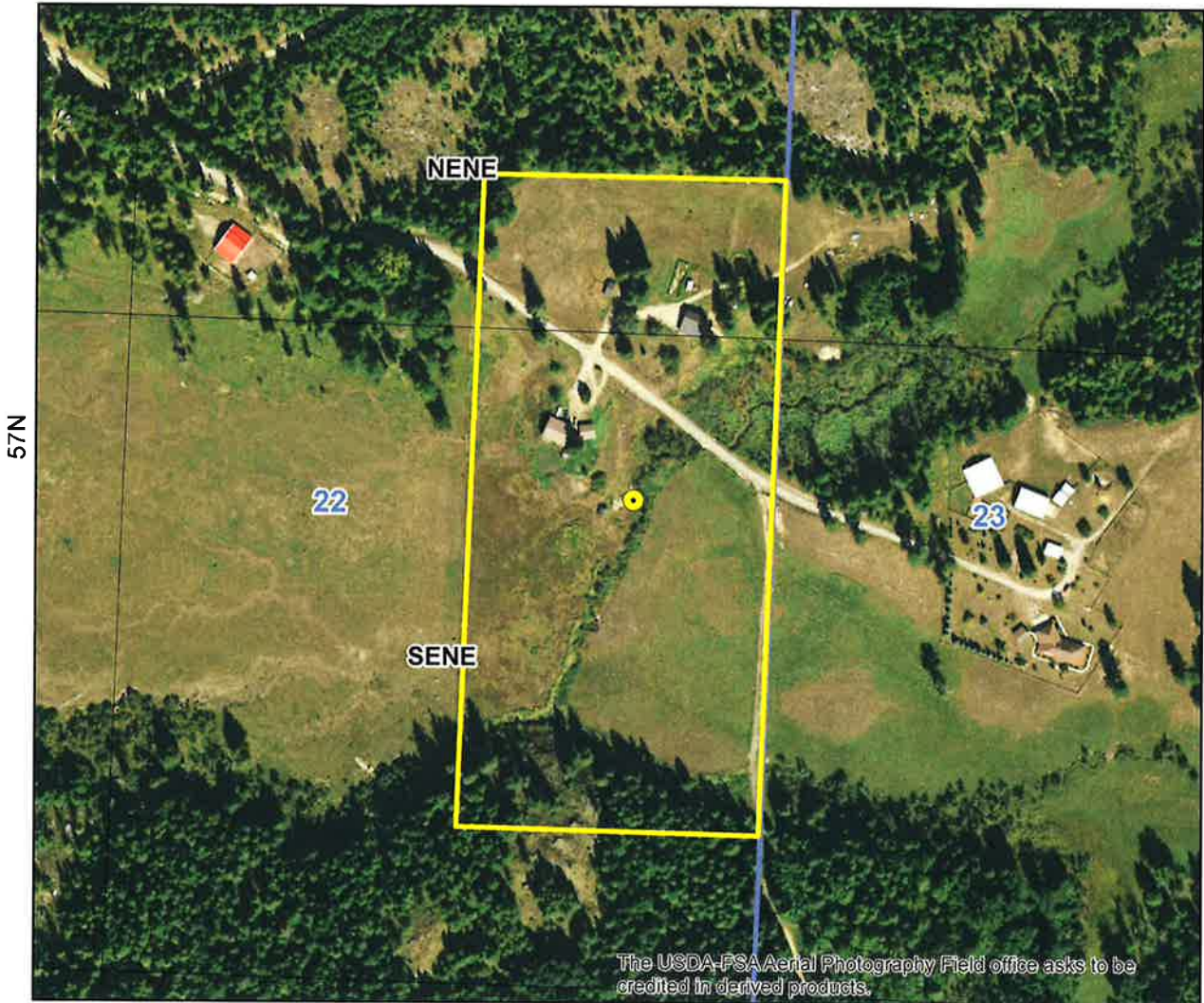
0 0.035 0.07 0.14 Miles



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FIRE PROTECTION

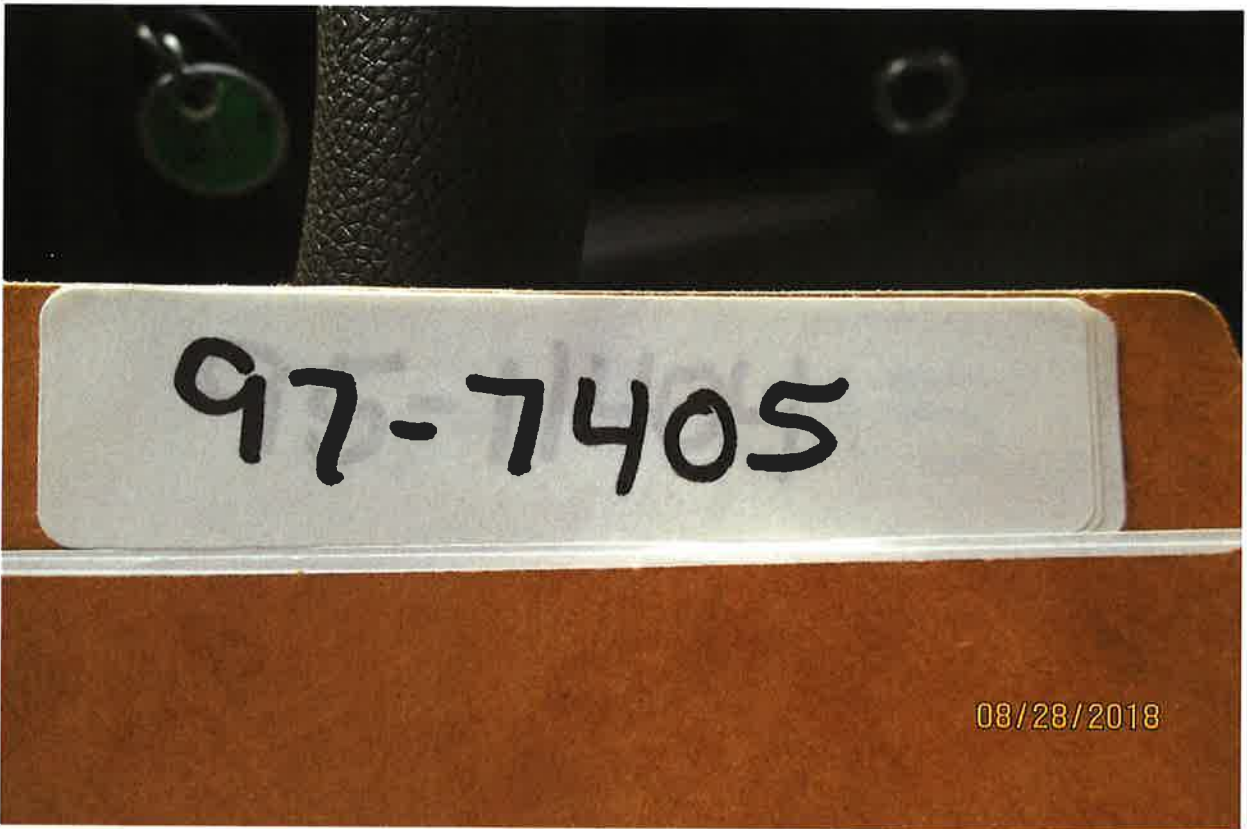
04W



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.045 0.09 0.18 Miles

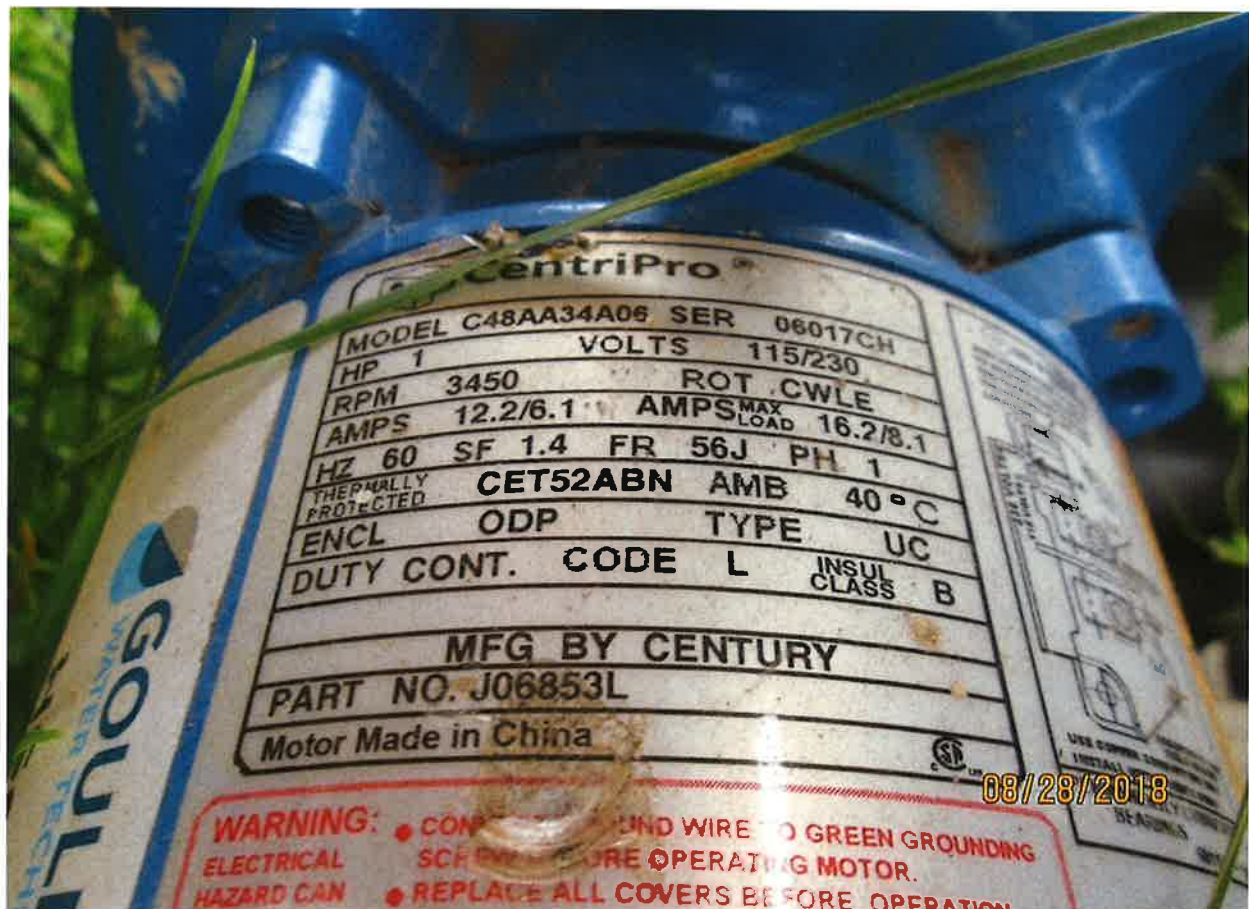




Point of diversion.



Applicant had installed a stilling well system to creek so sediment would not clog pump.



1 HP Goulds Centripro pump from stilling well to hoses.



Irrigation POU.





Irrigation POU.





Irrigation POU.





Irrigation POU.

