

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-09482

Exam Date: 6/30/2017

1. Current Owner:
J EDWARD SHORT PO BOX 2728 COEUR D ALENE ID 83816 (208) 660-0305
2. Accompanied by: J Edward Short
Relationship to Permit Holder: Owner
3. **SOURCE:**
COEUR D ALENE RIVER

TRIBUTARY:
COEUR D ALENE LAKE

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None
2. Other water rights with the same point-of-diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

COEUR D ALENE RIVER L5 (SE¼SW¼) Sec. 32, Twp 49N, Rge 01E, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD location at 116° 21.783, 47° 32.755

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	
49N	01E	32												1.0 L 5					1.0

Total Acres: 1

Method of Determination: Google Earth and Arc map.

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
	HONDA	UNKNOWN			

*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 IN 21 SECONDS.

5 GAL/ 21 SECONDS = 0.238

0.238 X 60 SECONDS = 14.2 GPM

E. FLOW CALCULATIONS

Measured Method: N/A

_____ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \text{ CFS} \times 231 \times 1.9835 = 13.7 \text{ AF}$$

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

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Field exam with applicant, J Edward Short, showed a small portable gas pump used for irrigation around RV camp. We looked around pump trying to find the HP, but were unable to find something identifying the actual size. Pump had proper fish screen on intake located in the Coeur d' Alene River. From the pump, a splitter allowed for 2 hoses to run 2 tripod sprinklers. We disconnected the hoses from the sprinklers and filled a 5 gallon bucket in 21 seconds. The 5 gallon bucket test was equal to 14.2gpm, which is a little higher than 0.03 cfs, but within an acceptable amount. Mr. Short said they would move the tripods around the camping area to keep it green for camping and help leave a buffer from fires. License will be issued for 0.03 cfs for the irrigation of 1 acre.

Have conditions of permit approval been met? ☒ Yes ☐ No

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
IRRIGATION	03/15 to 10/31	0.03 CFS
<u>Totals:</u>		0.030 CFS

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ None

I. AUTHENTICATION

Field Examiner's Name Adam Fusholt Date 8-22-17

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Attachment to Field Exam
94-9482

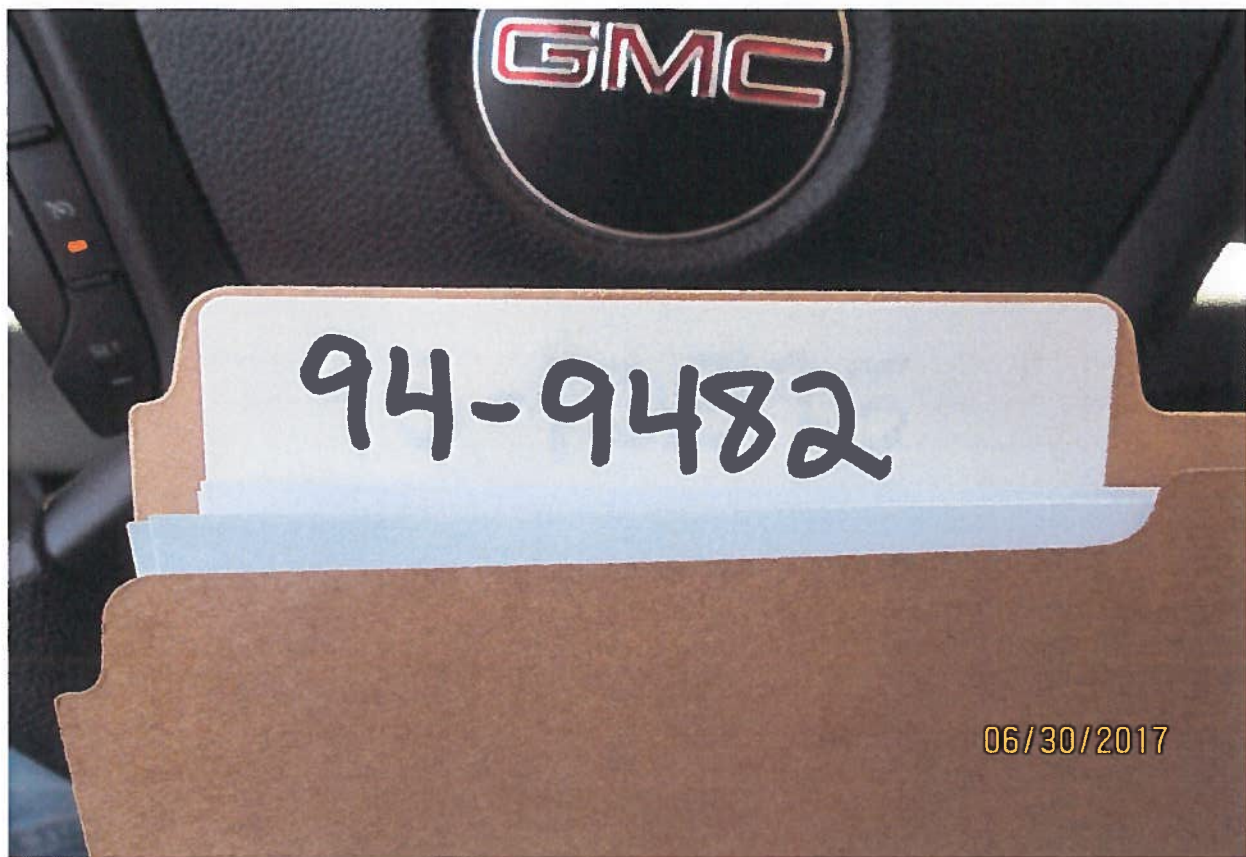
IRRIGATION / SYSTEM DIAGRAM



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

0 0.035 0.07 0.14 Miles





Point of diversion with small portable gas pump.



Screened intake.



1 of 2 tripod sprinklers.



Place of use.





5 gallon bucket test performed in 21 seconds.



Place of use.