

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9406

Exam Date: 12-2-2008

1. Current Owner: WILLIAM P MC CARTY
7335 W OTTER BAY RD
COEUR D ALENE ID 83814
(208)765-1437
2. Accompanied by: Owner
Phone No: Same
Address: Same
Relationship to Permit Holder:

3. SOURCE

SPOKANE RIVER

TRIBUTARY

COLUMBIA RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

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

SPOKANE RIVER

L9 NE1/4SW1/4

Sec. 7, Twp 50N, Rge 04W, B.M.

KOOTENAI County

Method of Determination: MAP

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
50N	04W	7	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
											.5								.5
											L 9								

Total Acres: 0.5

Method of Determination:

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
TD 732286	Grundfos	3/4	4/6	Grundfos	MODEL 9/126154
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*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
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 95-9406						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	0.75	164.0816327	0.75	60	45
Q =	0.030 cfs		13.6 gpm			

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ ac} \times 3 = 1.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \text{ cfs} \times 246 \times 1.9835 = 9.7 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.5 \text{ AF}$$

2. Volume Calculations for Other Uses: None**G. NARRATIVE/REMARKS/COMMENTS: This water right is for irrigation of 0.5 ac.**

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>	<u>ANNUAL VOLUME</u>
IRRIGATION	03/15 to 11/15	0.020 CFS	1.50 AF
<u>Totals:</u>		0.020 CFS	1.50 AF

2. Recommended Amendments

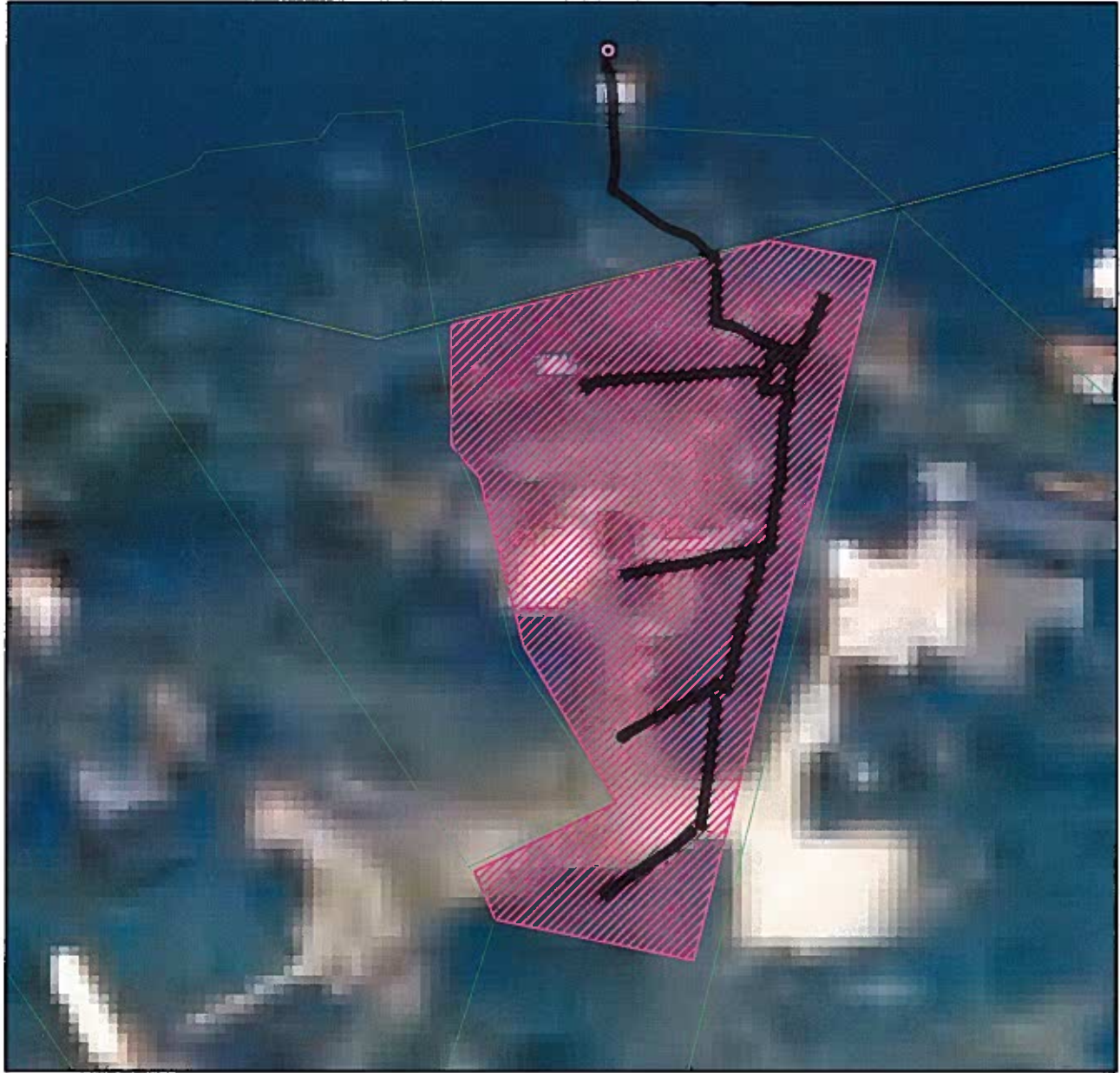
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

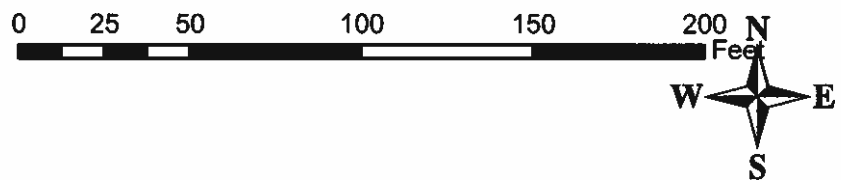
Field Examiner's Name Eric Dwyer Date 12-9-2008
 Reviewer [Signature] Date 12/24/8

SYSTEM



Legend

- ⊙ Right POD
- ▨ Right POU

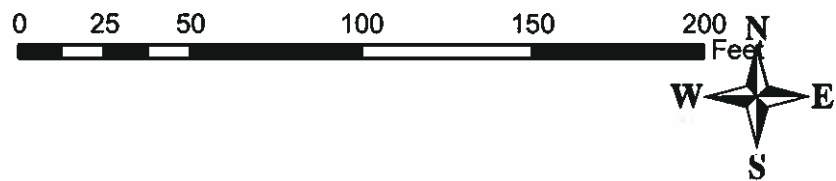


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Legend

- ⊙ Right POD
-  Right POU





pump data.JPG



IRR SYSTEM.JPG



POD.JPG

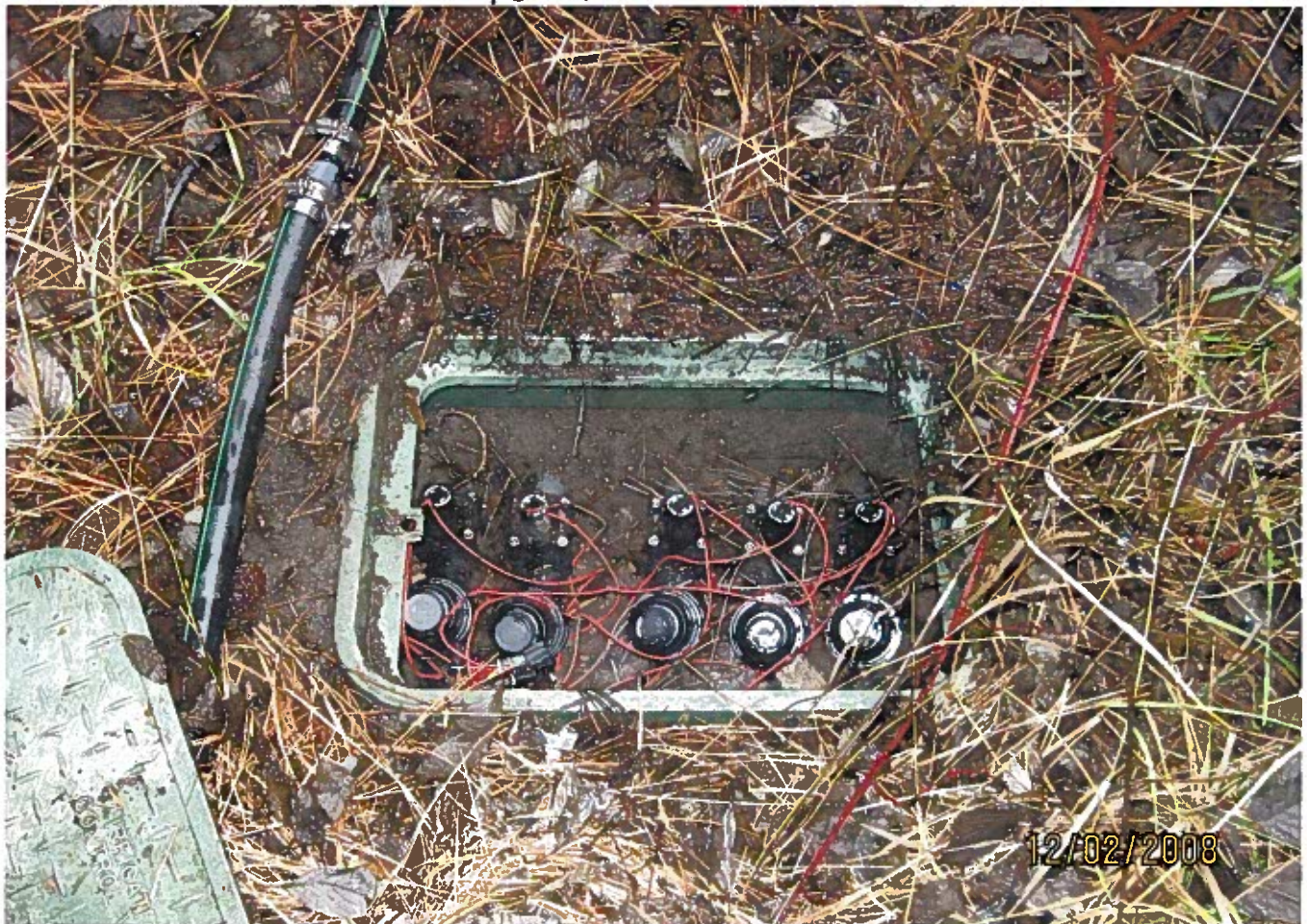


POU.JPG

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