

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9514

Exam Date: 10/1/2008

1. Current Owner: ROCKY WATSON
11618 ROCKFORD BAY RD
COEUR D ALENE ID 83814
(208)667-2879

And

MARY WATSON
11618 ROCKFORD BAY RD
COEUR D ALENE ID 83814
(208)667-2879

2. Accompanied by: Rocky Watson

Phone No:

Address:

Relationship to Permit Holder: Same

3. SOURCE

COEUR D ALENE LAKE

TRIBUTARY

SPOKANE RIVER

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 SYSTEM 3 HP Submersible pump1. LOCATION OF POINT(S) OF DIVERSION:

COEUR D ALENE LAKE

SW1/4NW1/4

Sec. 22, Twp 50N, Rge 04W, B.M.

KOOTENAI County

Method of Determination: Aerial Photo

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	
50N	04W	22								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	
50N	04W	22								1.5									1.5

Total Acres: 1.5

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.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
_____	UNKNOWN	3	UNKNOWN	UNKNOWN	2" Discharge
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

			95-9514	Theoretical		
		HP	H in feet	Efficiency	Pumping	System
				as a	lift in	pressure in
				decimal	feet	PSI
Q =	HP*8.8*Eff/H	3	168.7755	0.7	30	60
Q =	0.110 cfs					

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \times 3 = 4.5 \text{ AF}$$

$$V_{O.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .05 \times 246 \times 1.9835 = 24.4 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{O.R.} = 4.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

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>
FIRE PROTECTION	01/01 to 12/31	0.070 CFS	
IRRIGATION	03/15 to 11/15	0.050 CFS	4.5
<u>Totals:</u>		0.070 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name B.B. Hayman Date 10/1/08

Reviewer [Signature] Date 11/20/08

