

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9032

Exam Date: 8/7/07

1. Current Owner: PAUL C PLETT
PO BOX 2441
POULSBO WA 98370
(360)779-0311
2. Accompanied by: PAUL C PLETT
Phone No: (360) 779.0311
Address: PO BOX 2441, POULSBO, WA 98370
Relationship to Permit Holder: Owner

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 SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

COEUR D ALENE LAKE
KOOTENAI County

L2 SE1/4NE1/4

Sec. 28, Twp 48N, Rge 04W, B.M.

Method of Determination: *Garmin Global Positioning Receiver*
U.S.G.S. Geological Survey 7.5' Quadrangle (Topographic) Harrison

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
48N	04W	28	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	.3
						.3													L 2

Total Acres: 0.3

FIRE PROTECTION same as IRRIGATION

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 MakeHpMotor Serial No.Pump MakePump Serial No. or Discharge
Size

- Unknown 1.5 - Unknown 1.5 hp submersible

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

D. FLOW MEASUREMENTS

1.

Measurement
EquipmentTypeMakeModel No.Serial No.SizeCalib. Date

Bucket 5 gal - - - - -
Watch Wrist - - - - -

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 95-9032						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	1.5	194.6938776	0.7	160	15
Q =	0.048 cfs 21.3 gpm					

Irrigated Area Calculation

$$125' \times 125' = 15,625 \text{ sq. Ft}$$

$$- 1,500 \text{ sq. Ft (house)}$$

$$- 1,000 \text{ sq. Ft (driveway in irrigated)}$$

$$- 625 \text{ sq. Ft (triangular area)}$$

$$- 13,400 \text{ sq. Ft}$$

$$13,400 / 43,560 = .30 \text{ acres}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (1.3) \times (3) = 9$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.02) \times (213) \times 1.9835 = 8.44$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = .9$$

2. Volume Calculations for Other Uses:

Instantaneous Diversion for Fire Protection

No Annual Volume

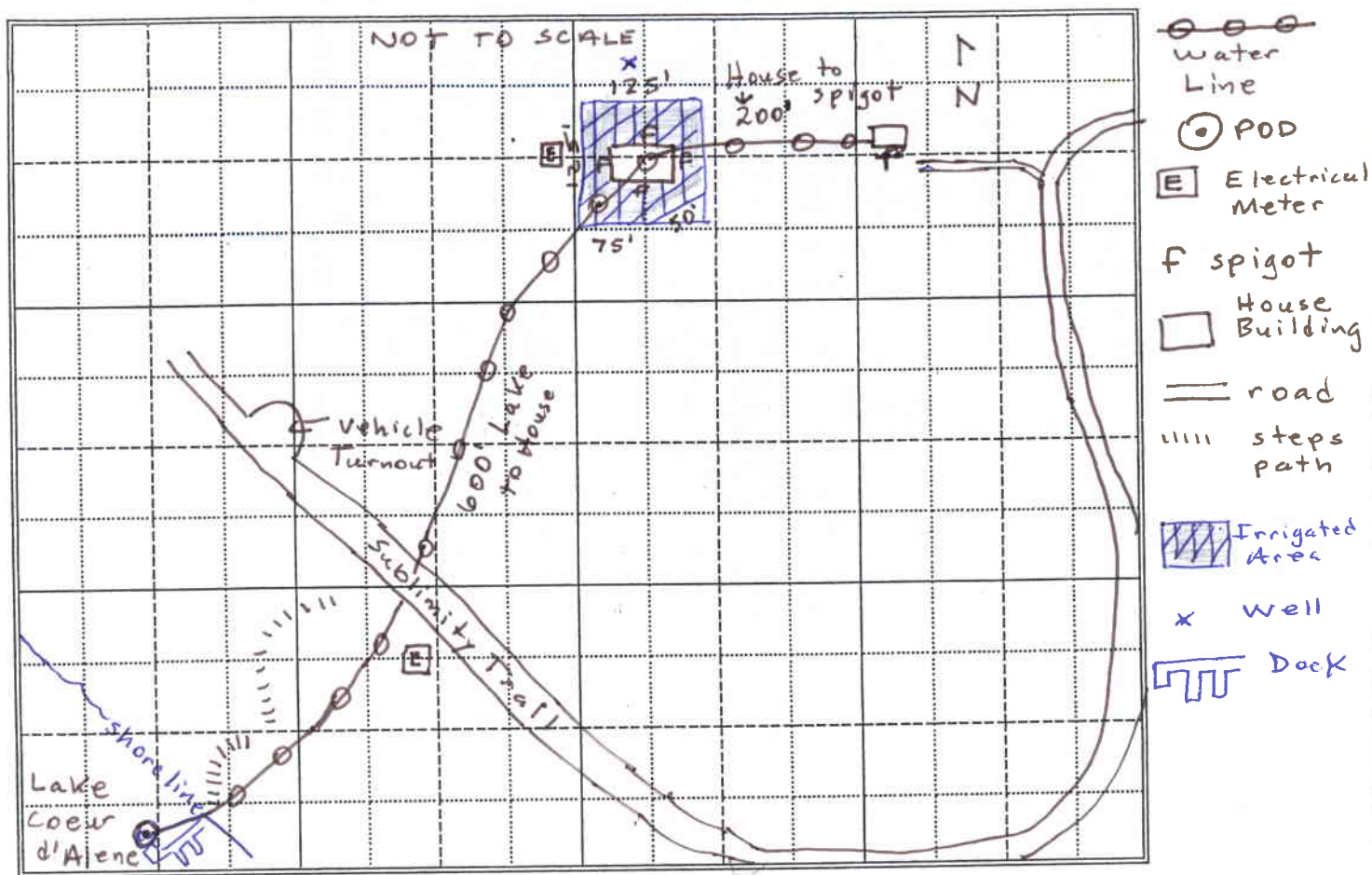
5.5 gal measured in 30 seconds

x 2

11 GPM in 1 minute

.02 cfs

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

☒ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required).

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

☒ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*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: _____

2679 III SW
(ROCKFORD BAY)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

64
Harrison
Quadrangle T.S. 1

116°52'30"
47°30'

5100m E

511

512

50'

513

23 MI. TO INTERSTATE 90
(MICA BAY)

2679 III SE

515

5560000m N

5559

5558

5557

Mile
7 126

Mile 0 +

Light
East
Point

Lot 2
28
N 85 E

Spring
Pdu

2642
Campground
Bell
Bay

EAST
POINT

Powderhorn
Bay

BM 2182

BM 2148

BM 2346

65-9032

T-48N R 40

Adventure
Lodge
Bay

Gasser
Point

C O E U R

Cave
Bay

Adventure
Lodge
Bay

Gasser
Point

C O E U R

34

35

Harlow

Point

G. NARRATIVE/REMARKS/COMMENTS

Exam completed 9/28/07 after original exam photos (8/7/07) lost. Irrigation was in progress and submersible pump was in Lake Coeur d'Alene on 8/7/07. The system is located on two Kootenai County tax lots.

Point of diversion (47 Degree 28.517 116 51.012) is a 1.5 submersible pump held within a white protective cage on the bed of Lake Coeur d'Alene next to a boat dock. The pump is approximately 100 feet from the shoreline at a depth of 10 feet during irrigation season. It is removed during the winter months and the protective cage kept on the shoreline. The POD is located adjacent to a lot on the edge of the Lake owned by the Permit holder.

A water line reaches 600 feet from the pump across the lakeside lot and a private road (Sublimity Trail) to the home located on a second lot (Kootenai Parcel Number 48N04W28200). The line continues for another 200 feet to end at a spigot located at a tool shed and vehicle/boat shelter.

95-4625 was reviewed for possible overlap. 96-4625 is a domestic use located on Lot 19 of the Webb's East Point subdivision and does not overlap with 95-9032.

Instantaneous diversion capacity was measured at 5.5 gallons in 30 seconds (11 Gallons Per Minute) from the spigot located at the vehicle / boat shelter. Garden hoses are used to irrigate the property from spigots located on each side of the home.

A 50 gallon pressure tank, located in the home, and a domestic well (Tag D0039913) are not part of the 95-9032 water system. The owner has not submitted a water right permit application on the well yet. The owner has been informed of the North Idaho Adjudication.

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	3/15 to 10/31	0.020 CFS	1.2 ~~AF~~ AF
FIRE PROTECTION	1/01 to 12/31	0.020 CFS	-
<u>Totals:</u>		0.020 CFS	1.2 ~~AF~~ 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

Shawn M. Mape

Date

10/10/07

Reviewer

[Signature]

Date

10/29/17



Bureau of Land Management - General Land Office Records



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FAQ

Survey Details

[Home](#) > [Survey Search](#) > [Results List](#) > Survey Details

Original Survey

• Twp 48N-4W, ID, Boise (Subdiv. Lines)

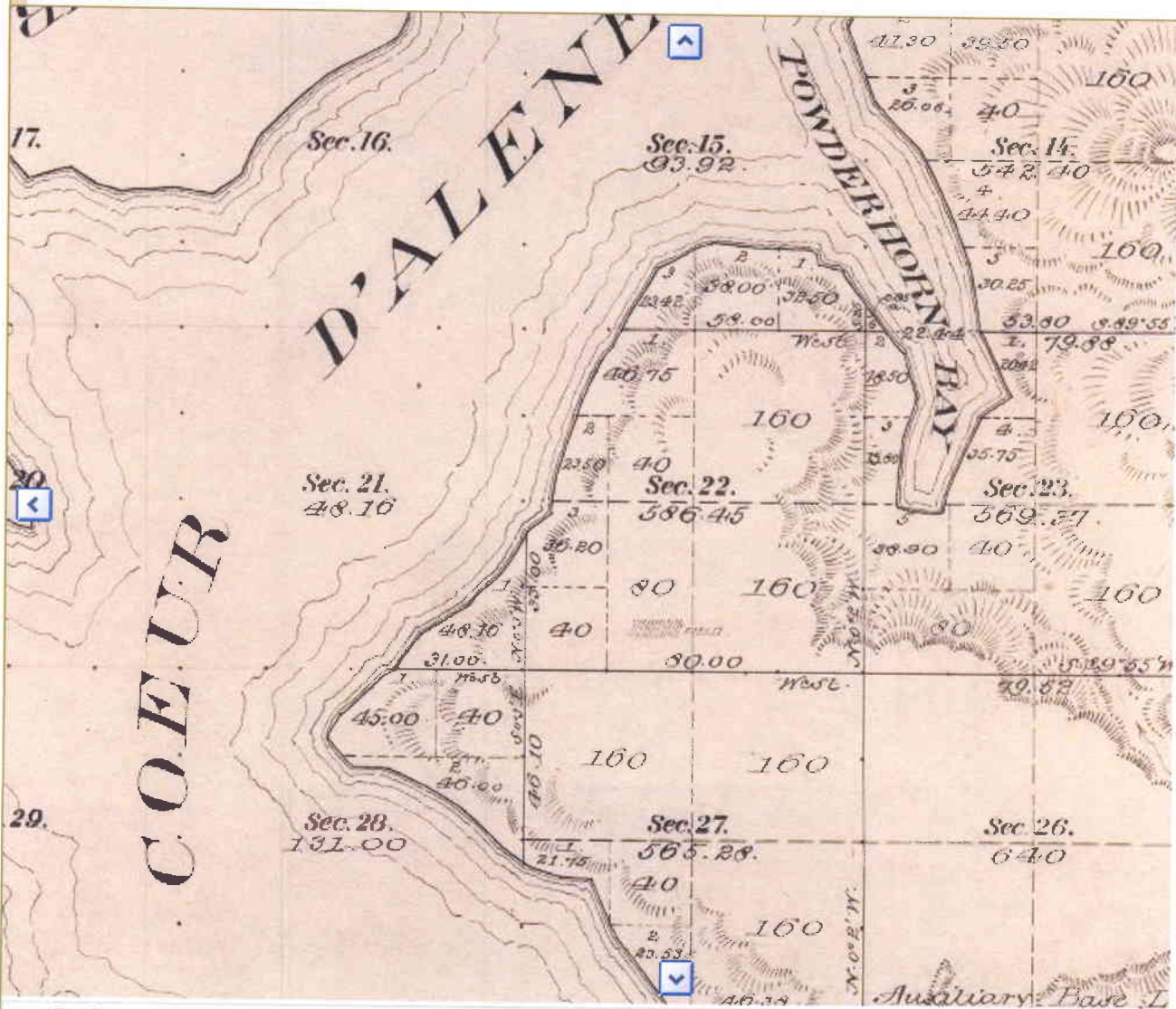
Survey Details

Plat Details

Plat Image

Field Note Images

Description: —



Basic Viewer

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95-9032



View South to
North From Shed
area toward well.
Residence for
95-9032 on Left.



View NE edge
of irrigated area
to well.



Domestic well
Tag DØØ39913
near residence.
Not part of
95-9032.

95-9032



West lawn Irrigation
Hose



View From SE
edge irrigated area



View East to West well not
part of 95-9032

95-9032



Residence & West Lawn



Residence & domestic
pump ~~water~~ electrical
meter



Tool shed & Vehicle/
Boat Shelter

95-9032



Water line from
Lake Coeur d'Alene



Irrigation hose
on East lawn area
of home



Electrical
meter for
submersible
pump & water
line leading
under
Sublimity
Trail road
toward home

95-9032



Submersible pump cage
on shoreline next to
dock Point of Diversion (POD)



View East from Dock
POD toward home



Cage & Pipe leading
up hill toward home



Electrical Meter for
Pump in submersible
cage

95-9032