

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-13358

Exam Date: 11/25/2015

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Dennis Cada and/or Carlene Cada
- Owner-of-Record Correct? ☒ Yes ☐ No
- Address-of-Record Correct? ☒ Yes ☐ No
- If No: <Address>

The Kootenai County taxlot information shows that the property is owned either by the Cada 1997 Family Trust or by Dennis Cada

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: C101205

4. SOURCE

Coeur D'Alene Lake
Method of Determination: aerial photography
Change in Source:

TRIBUTARY

Spokane River
☐ Yes ☒ No

B. OVERLAP REVIEW

1. Other water rights with the same place of use: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis
95-10885	Ground water	Domestic	AJ Recommendation

Comments: There is lawn/garden irrigation around the residence that has been developed through a domestic well. That use has been recommended in the NIA adjudication as 95-10885. The irrigation POU for this right is not adjacent to the home.

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments:

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

Source	Govt. Lot	¼	¼	¼	Sec.	TWP	RGE		County
Coeur D'Alene Lake	3		NW	SE	6	49N	03W	B.M.	KOOTENAI

Method of Determination: The legal description in the permit is validated by PLS data and aerial photography.

Change in POD? ☐ Yes ☒ No

Amendment Required? ☐ Yes ☒ No

2. **LOCATION OF PLACE(S) OF USE:** 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	03W	6														0.5			0.5
																L3			

Method of Determination: The legal description in the permit is validated by PLS data and aerial photography.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

3.

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

☒ 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
Unknown.		0.5		A.Y. McDonald submersible	7 gpm

*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: In-office field exam. No measurements taken

E. FLOW CALCULATIONS

☒ Additional Computation Sheets Attached

Small irrigation use standard = 0.03 cfs/ac

Permit allowed = 0.12 cfs

License recommended for 0.02 cfs = 0.03 cfs/ac x 0.5 ac

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \times 3.0 = 1.5 \text{ af}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 246 \times 1.9835 = 14.6 \text{ af}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.5 \text{ af but no volume required for license of irrigation from a surface water source}$$

Volume Calculations for Other Uses: _____
I.R. D.R.

G. PURPOSE OF USE

Irrigation ☒ Yes ☐ No # Stock none

Domestic # of Homes none

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA

H. NARRATIVE/REMARKS/COMMENTS

Permit 95-13358 authorized a diversion from Coeur D'Alene Lake of 0.12 cfs for irrigation associated with irrigation of 4.0 acres. In conjunction with the 'proof' statement, the permit holder submitted a letter which declared that the developed irrigation was much less than anticipated. Based on the small permitted diversion rate, this permit qualifies for an in-office field exam.

The legal description of the POU was used to locate the property. Available Kootenai County taxlot information shows that the Cada 1997 Family Trust or Dennis Cada are the owners of the property. A map identifying the POU was submitted with the application and the shape outlined on that map matches the taxlot boundary. The irrigation POU is a much smaller shape, primarily consisting of Echo Point subdivision block 1, lot 20.

The permit was conditioned with a requirement for fish screening on the pump. In the proof of beneficial use statement, the permit holder states that fish screening is installed on the pump. Because that can't be confirmed in a desk-top review, the fish screen condition will be maintained on the water right license.

I created the POU shape based on aerial photography and taxlot boundaries. The walkway between the Cada's residence and the lake is more visible in Google Earth imagery attached.

I created the POD by reselecting the POD from the permit layer. The permit holder stated that they had a breakwater to which the pump could be attached.

The permit authorized the standard rate for irrigation use less than 5 acres. I am recommending that rate for the license. No volume is required for the license because the use is irrigation from a surface water source.

Have conditions of permit approval been met? ☒ Yes ☐ No applicant states fish screen is installed

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Irrigation	3/15-11/15	0.02 cfs	N/A
	<u>Totals</u>	0.02 cfs	N/A

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

Other: < >

I. AUTHENTICATION

Field Examiner's Name Michele Edl Date November 25, 2015

Reviewer *Camela Skaggs* Date *11-25-2015*



Beneficial Use Field Report 95-13358

1998 11/25/2015 2015

Navigation controls including a compass, a street view pegman, and a zoom slider.

20621 ID-97

Google earth

Imagery Date: 4/20/2015 1998

47°37'13.86" N 115°46'19.33" W elev 2320 ft

Eye alt 2735 ft

MEMORANDUM

Date: November 25, 2015
To: 95-13358
From: Michele Edl
Re: phone conversation

This morning, Wednesday 25, 2015, I left a phone message for Dennis or Carlene Cada related to the licensing of this permit.

Carlene Cada returned my call a few minutes later. I explained that IDWR had standard rates and volumes that I could use in cases such as this where a very small water use was developed.

Carlene Cada answered my questions and provided the information needed to issue the license.

The irrigation place-of-use for this right doesn't overlap the lawn and garden areas around the house. Instead, the place-of-use is along the walk from the house to the lake.

Because of the steepness, their existing pump can't lift water all the way to the level of the house.

Carlene Cada dictated the information about the pump over the phone. The pump is an A. Y. McDonald electric submersible pump, model 23050V3. It is 0.50 HP and diverts 7 gpm. The Cadas estimate that the lift is 100-150 feet.

The Cadas don't have a boat dock but have a breakwater to which the pump can be attached. The POD is located between the boat docks visible to the north (belonging to Moslemi) and to the south (belonging to Brinson). No other water rights use this pump.

RECEIVED

NOV 13 2015

DEPARTMENT OF
WATER RESOURCES

November 8, 2015

State of Idaho

Department of Water Resources

Re: Statement of Completion

This is in regards to a non-completed Beneficial Use Field Report.

My submergible pump which is positioned yearly in Lake Coeur d'Alene, was removed post irrigation season, September 30, 2015. The pump irrigates approximately 0.5 acre and being not of sufficient power to irrigate the original application of 4 acres.

Enclosed is the required \$50 fee.

Thank you for your consideration,

A handwritten signature in dark ink, appearing to read "Carlene Cada", followed by a period.

Carlene Cada