

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-13534

Exam Date: 7/28/2016

1. Current Owner:
JACQUELINE CACCHIOTTI 3011 MARKS RD YAKIMA WA 98903 509-952-9598
And
LAWRENCE CACCHIOTTI 3011 MARKS RD YAKIMA WA 98903 509-952-9598

2. Accompanied by: Lawrence Cacchiotti

3. **SOURCE:**
COEUR D ALENE LAKE

TRIBUTARY:
SPOKANE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 95-8834 (Municipal for in home use)
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 L1 (NE¼NE¼) Sec. 11, Twp 47N, Rge 04W, B.M. KOOTENAI County

Method of Determination: Maps and GPS. POD location at 47° 26.255, 116° 47.667

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	
47N	04W	11	0.3 L 1																.3

Total Acres: 0.3

Method of Determination: Google Earth and Arc map.

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X

Indicate weir size/pipe as applicable.

X

Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.

X

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

X

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
UNKNOWN		1/2			

*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

Measured Method: THEORETICAL PUMPING EQUATION
ESTIMATES FLOW RATE AT 5.6 GPM OR 0.01 CFS.

X

Additional Computation Sheets Attached

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.3 \text{ AC} \times 3.0 \text{ AF} = 0.9 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.01 \times 231 \times 1.9835 = 4.6 \text{ AF}$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 0.9 \text{ AF}$$

NO ANNUAL VOLUME GIVEN FOR SURFACE WATER SOURCES

G. NARRATIVE/REMARKS/COMMENTS

During review prior to exam it was discovered that permit holder no longer owned property. A letter was sent out July 6, 2016 to the new property owner, Lawrence Cacchiotti with no response. A request for additional information was sent out on April 4, 2017 to both the applicant and current property owner Mr. Cacchiotti. Mr. Cacchiotti contacted me and set up a time to perform exam. During exam, Mr. Cacchiotti explained that when he got to property and tried to turn pump it would not start. He was trying to get somebody out to put in a new pump at time of exam. He explained it was 1/2hp pump that went up hill to pressure tank and then went to 3 faucets around property. Mr. Cacchiotti had bought the property from the permit holders and he understood the system only produced around 5gpm and that is why there was a pressure tank. Water would be diverted from the lake at 5gpm to 50 gallon pressure tank that would deliver water at a higher psi. Mr. Cacchiotti said he could only have 1 sprinkler going without running out of water. Mr. Cacchiotti said the Covehaven Owners Assn Inc did not allow for irrigation from the municipal groundwater source covered under right 95-8834. License will not be overlapped with this claim. The license will be issued for 0.3 acres of irrigation with diversion rate 0.01 cfs with no annual volume. A change in ownership will be performed at licensing.

Have conditions of permit approval been met? X 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	0.01 CFS
<u>Totals:</u>		0.010 CFS

2. Recommended Amendments

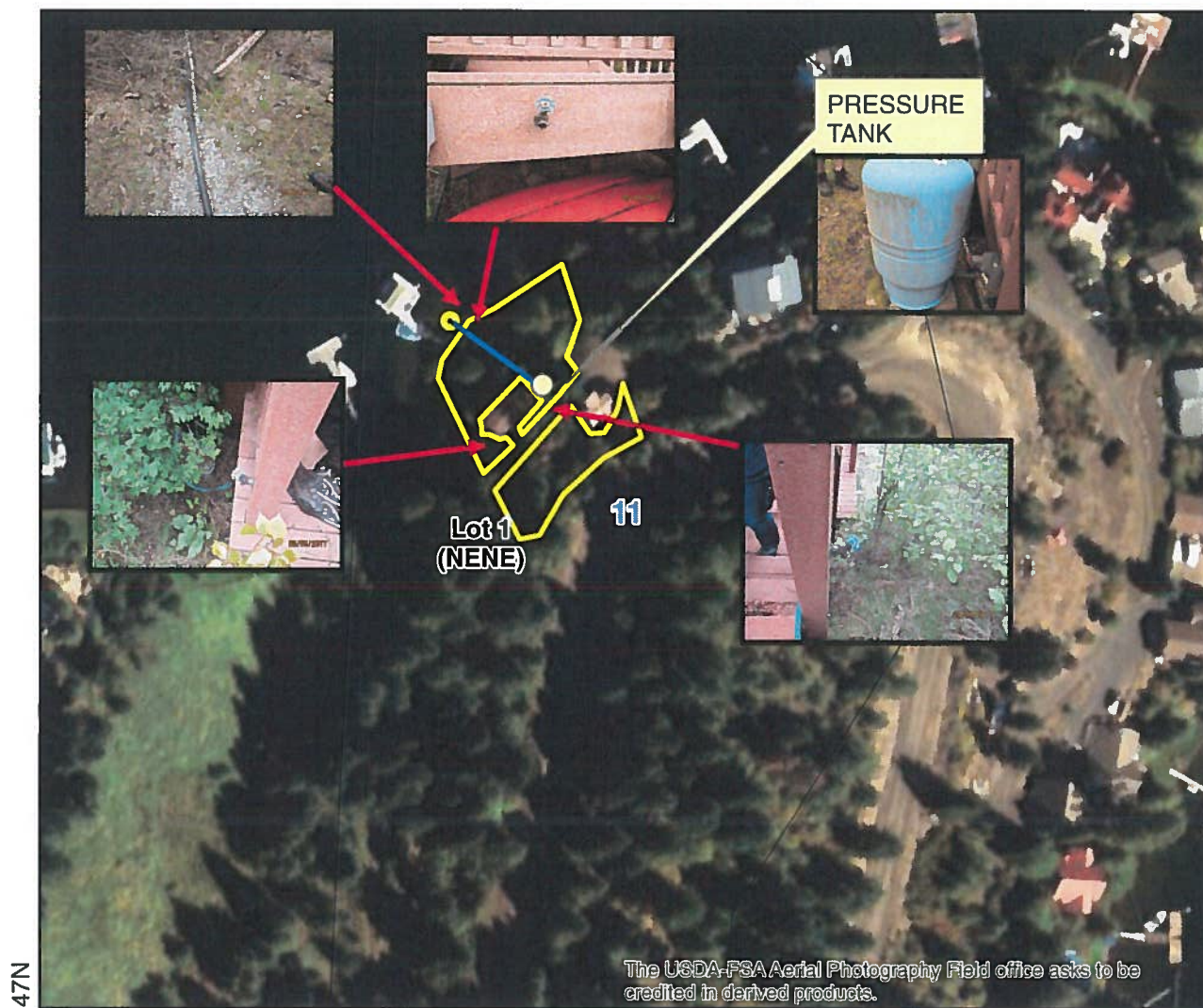
 Change P.D. as reflected above Add P.D. as reflected above X None

 Change P.U. as reflected above Add P.U. as reflected above X None

I. AUTHENTICATIONField Examiner's Name Adam French Date 5-24-2017Reviewer Morgan Case Date 6/1/2017

State of Idaho
Department of Water Resources
Attachment to Field Exam
95-13534

IRRIGATION / SYSTEM DIAGRAM



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

0 0.0175 0.035 0.07 Miles



THEORETICAL PUMPING EQUATION FOR WATER RIGHT 95-13534

UNABLE TO PERFORM MEASUREMENT DURING EXAM BECAUSE PUMP HAD BROKE DURING WINTER. APPLICANT SAID PUMP PRODUCED AROUND 5 GPM AND THEORETICAL PUMPING EQUATION SUPPORTS THAT RATE. WATER WAS PUMPED UP STEEP HILL 120 FEET TO PRESSURE TANK. APPLICANT SAID THE SYSTEM RAN AT 70 PSI.

PUMP EQUATIONS WATER RIGHT No. 95- 13534						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	0.5	281.9048	0.8	120	70
Q = 0.013 cfs 5.6 gpm						

Google Earth images to help license 95-13534. Drive by exam performed because permit holder no longer owns property. Proof submitted October 6, 2011.

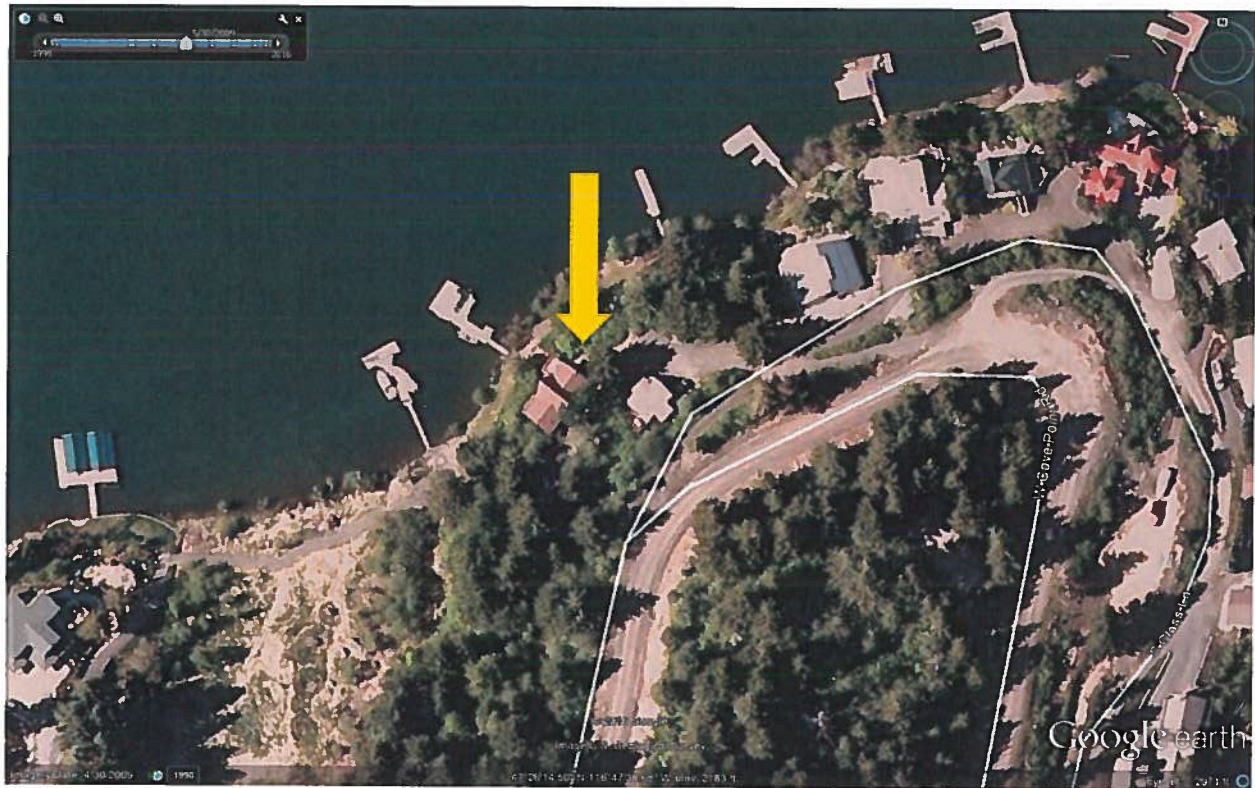


Image from 05/30/2009. Shows green around house and garage.

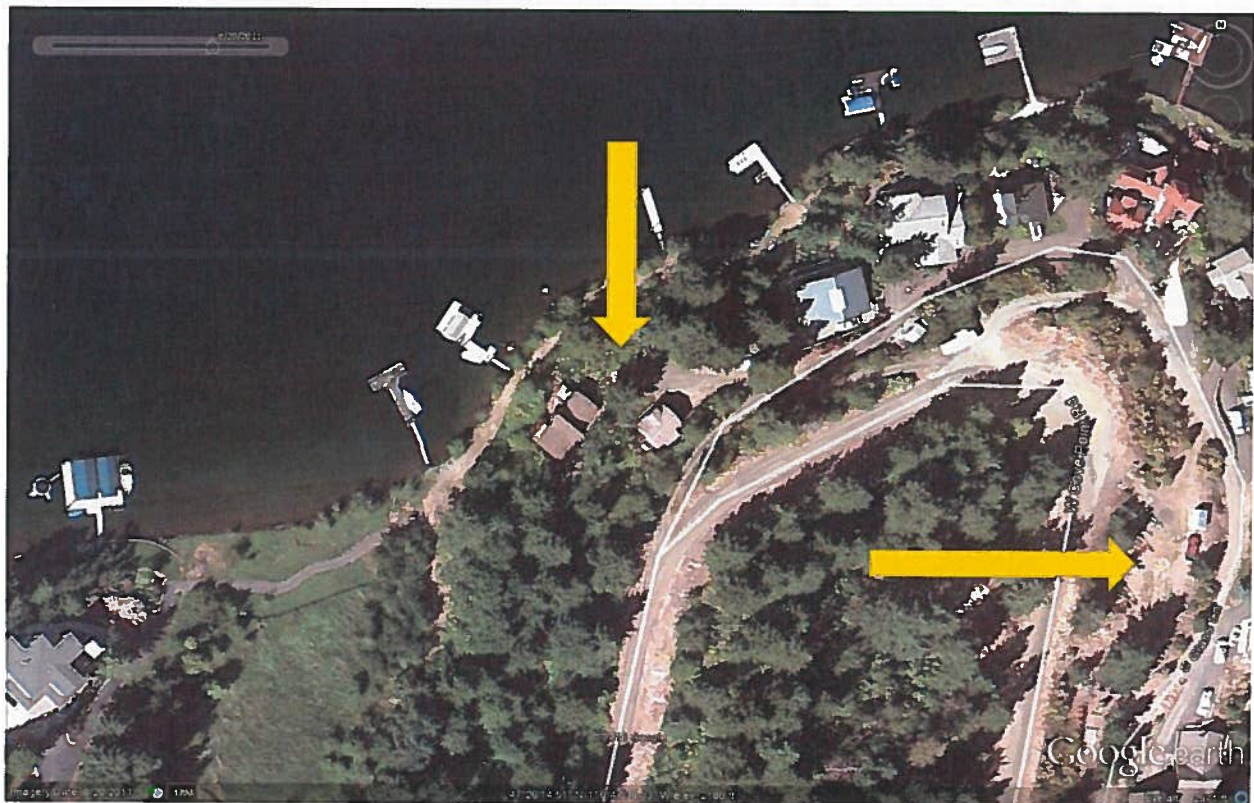


Image from 08/20/2011. You can see how green it is around property as compared to right side of photo where it is brown and unirrigated.

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT PRIVATE CLAIMS General Land Office Records

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Search Documents Results List Survey Details

DM ID: 38093 Survey Type: Original Survey Survey Title: Retracement Part Of The North Boundary Of The Coeur D'Alene Indian Reservation State: Idaho

Survey Plat Details Plat Image Related Documents

Sheet: 1 Original

59.35 53.46 58.00 53.73 2200 42.40 1971 189°50'W 189°38'E 39.86 33.60 39.14 57.45 2218 578.77 4976 3143 154.12 5266

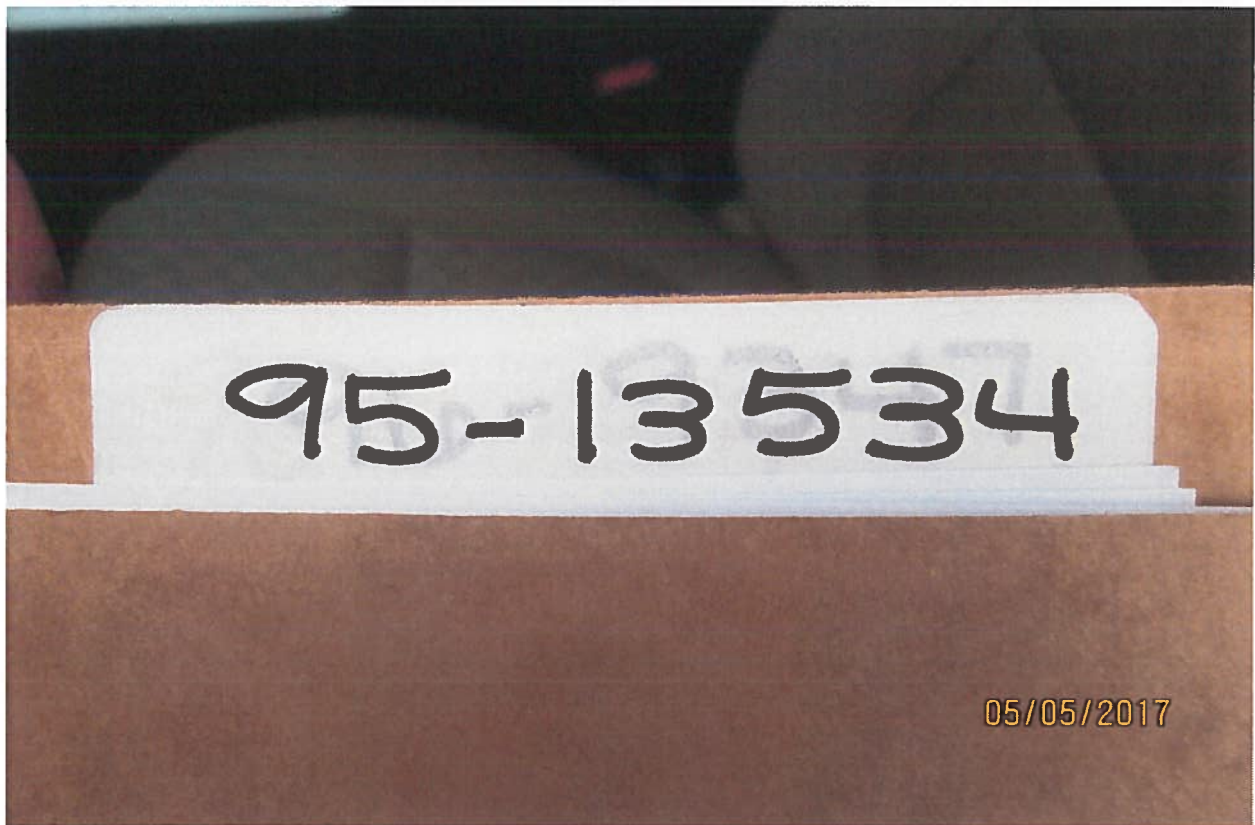
LANDING NO. 12 W. NO. 11 W. NO. 10 W. ST. JOE LUMBER CO. MILL LAKE

50% zoom

JavaScript Viewer Plugin Viewer Basic Viewer

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View of pipe in bottom going into lake.



Water line on shore.



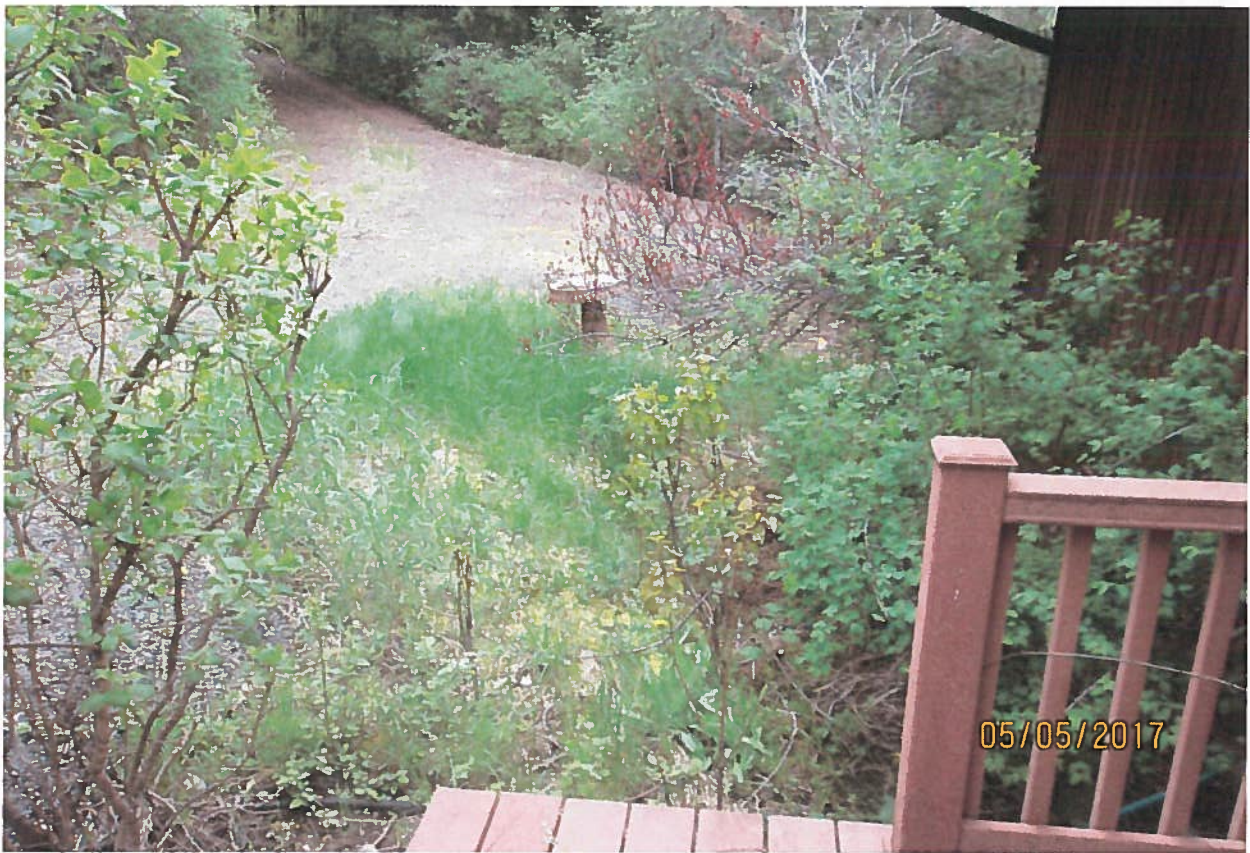
Pump box next to pressure tank. 1/2hp pump was broken at time of exam.



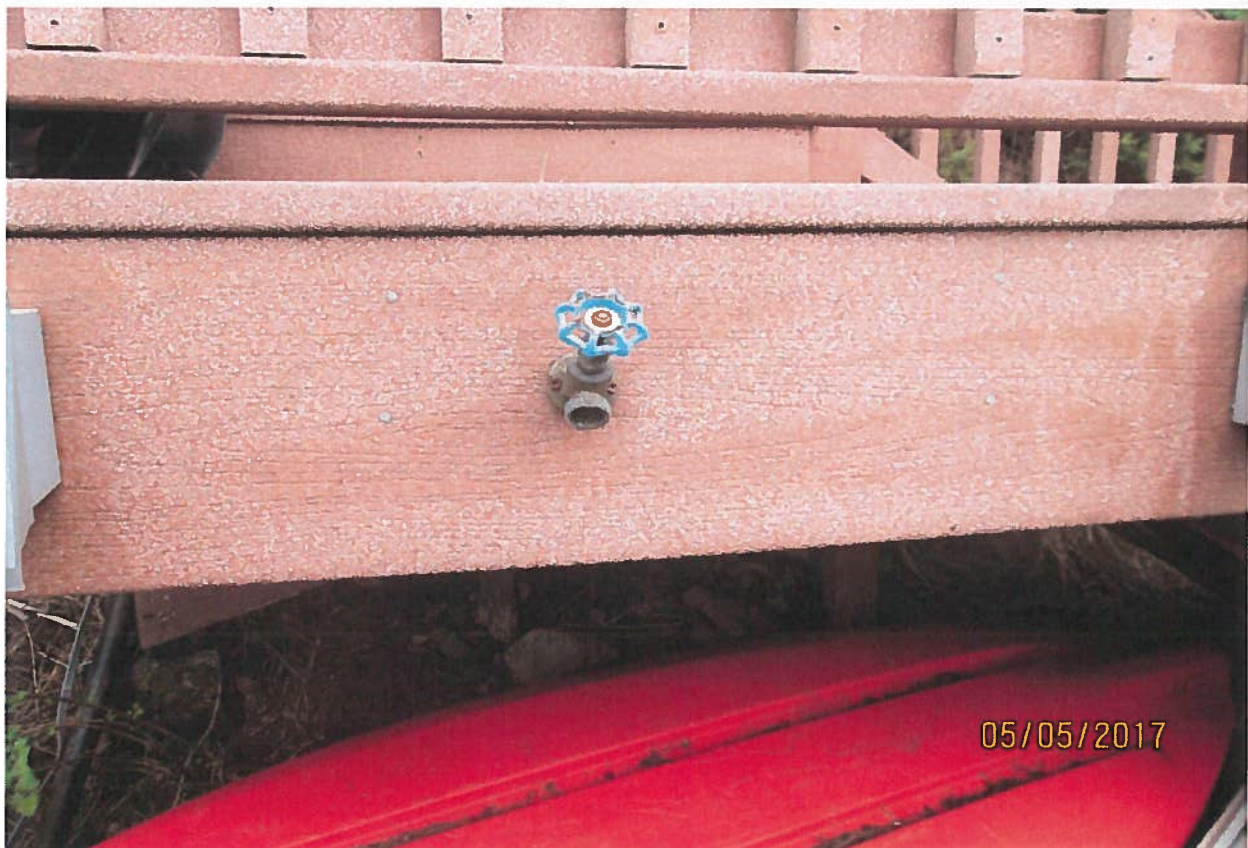
Pressure tank.



1 of 3 faucets that was fed by lake water. Small quarter inch line was plumbed under deck to hose nozzles.



Irrigated grass area around faucet 1. Applicant also put sprinkler on hill for irrigation to keep things green in case of fire.



Faucet 2 of 3.



Irrigated area from faucet 2 and hillside that was irrigated by sprinkler.



Faucet 3 of 3 from lake.



Hose from faucet 3 to irrigate around garage and attach sprinkler hose in upper right of picture.



Hose from faucet 3 for use around garage.



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region, 7600 Mineral Drive. Suite 100, Coeur d'Alene, Idaho 83815

Phone: (208) 762-2800 FAX: (208) 762-2819 www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

July 6, 2016

LAWRENCE CACCHIOTTI
3011 MARKS RD
YAKIMA WA 98903

Re: Application for Permit to Appropriate the Public Waters of the State of Idaho.

Permit 95-13534

The Idaho Department of Water Resources (IDWR) needs to have a Field Examination of Beneficial use on water permit 95-13534. It appears that you may have bought the property from the permit holders Richard & Gloria Tinder. Please contact me to set a date and time to conduct your Field Examination if the water system is in use.

Please call me at 208-762-2800 or email me at adam.frederick@idwr.idaho.gov to set up a date and time.

Sincerely,

A handwritten signature in blue ink that reads "Adam Frederick". The signature is written in a cursive style with a large, stylized 'A' and 'F'.

Adam Frederick
Senior Water Resource Agent
Northern Region



State of Idaho

DEPARTMENT OF WATER RESOURCES

Northern Region • 7600 N. Mineral Drive, Suite 100 • Coeur d'Alene, Idaho 83815-7763
Phone: (208) 762-2800 • Fax: (208) 762-2819 • Website: www.idwr.idaho.gov

C.L. "BUTCH" OTTER
Governor

GARY SPACKMAN
Director

April 4, 2017

RICHARD TINDER
GLORIA TINDER
1042 SW RYAN CT
PULLMAN WA 99163

RE: Additional Information Request for Permit 95-13534

Dear Permit Holder(s):

On September 24, 2010 you filed an application for permit to appropriate water for irrigation use in Government Lot 1 in the NENE $\frac{1}{4}$ of Section 11, Township 47 North, Range 4 West. The application was approved and water right permit 95-13534 was issued on November 24, 2010. On October 6, 2011, you filed a proof of beneficial use statement claiming that you developed the irrigation use under water right permit 95-13534.

I am now trying to verify the water use under 95-13534, and license this water right permit. I have attached a copy of the permit and the map supplied by you for this water use. It appears from the map, that this property is now owned by Lawrence Cacchiotti. A copy of this letter will also be sent to Mr. Cacchiotti. If Mr. Cacchiotti is the current owner of the property, you can assign the water right into Mr. Cacchiotti's name, and I will work through Mr. Cacchiotti to license this water right.

I will need some basic information to ensure that we can license this water use. I will need the following items if available:

1. We will need the Horsepower of the irrigation pump. You can generally find this information on the pump panel or the last person to work on the pump would probably have this information.
2. We will need you to mark on the enclosed map the location of any irrigation from the lake that is associated with this permit. We will also need you to mark the location of the pump.
3. If you have any pictures of the property showing the irrigation, we would appreciate it if you could send that information to us as well.

You can request that IDWR personnel go into the field to collect this information accompanied by a member of your staff/organization. For this to occur, please contact me with the name, telephone number, and email of your representative and the representative must be available to be contacted and for scheduling of the required visits within thirty (30) days. IDWR must also receive the contact information of your representative in a timely manner.

If I do not receive the requested information from you within thirty (30) days, I could take action to void your permits under the provision of Section 42-219(8) of the Idaho Code. If you agree that no beneficial use of water occurred under the permit listed, you can shorten the voiding process by completing the enclosed relinquishment form for each permit affected and returning it to IDWR.

Should you have any questions, please contact me at 208-762-2800.

Respectfully,



Adam Frederick
Senior Water Resource Agent
Email: adam.frederick@idwr.idaho.gov

Enclosure(s): Permit 95-13534
Map of property
Map of Property Showing Tax Lot Ownership
Assignment of Permit form if Cacchiotti is the current owner of the property.
Relinquishment Form

Cc: Lawrence Cacchiotti