

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9294

Exam Date: 8/7/2015

1. Current Owner: BEN ROLPHE
12908 N STRAHORN RD
HAYDEN ID 83835
(208)772-7041

Or

ANNA ROLPHE
12908 N STRAHORN RD
HAYDEN ID 83835
(208)772-7041

2. Accompanied by: Ben Rolphe

3. SOURCE**TRIBUTARY**

GROUND WATER

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**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER L1 NW1/4NW1/4 Sec. 7, Twp 51N, Rge 03W, B.M. KOOTENAI County

Method of Determination: GPS and maps. POD location at 47° 47.125, 116° 45.614 (A0015485)

2.

PLACE OF USE: IRRIGATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 03W 7	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
						X											

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
51N 03W 7	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
					.5	4.0											4.5

Total Acres: 4.5

PLACE OF USE: IRRIGATION FROM STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
51N 03W 7						X											

PLACE OF USE: AESTHETIC STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
51N 03W 7						X											

DIVERSION TO STORAGE same as AESTHETIC STORAGE

Method of Determination: GPS and Maps

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>
95-95-N-77	FRANKLIN	5			

*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>
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2. Measurements:

E. FLOW CALCULATIONS☒ Additional Computation Sheets Attached

Measured Method: 5 GALLON BUCKET TEST. 5 GALLONS IN 10 SECONDS IS EQUAL TO 30 GPM OR 0.07 CFS. THEORETICAL PUMPING EQUATION ESTIMATES FLOW AT 30 GPM OR 0.07 CFS.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 4.5 \text{ AC} \times 3.0 \text{ AF} = 13.5 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.07 \text{ CFS} \times 246 \text{ DAYS} \times 1.9835 = 34.2 \text{ AF}$$

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

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED THAT PERMIT WAS NOT ADEQUATE FOR WHAT APPLICANT ACTUALLY HAD IN PLACE. NEW APPLICATION WAS SENT TO COVER POND AND IRRIGATION STORAGE IN POND AND COMMERCIAL USE FOR GREEN HOUSE. WELL PRODUCED 30 GPM AND WAS TESTED USING 5 GALLON BUCKET TEST THAT FILLED IN 10 SECONDS. THEORETICAL PUMPING EQUATION SHOWS WELL SHOULD PRODUCE 30 GPM AS WELL. APPLICANT USES THE WELL TO FILL THE POND AS WELL AS USING IT FOR IRRIGATION. THE POND IS USED TO PUMP WATER OUT FOR IRRIGATION AS WELL. LICENSE WILL BE ISSUED FOR 0.07 CFS DIVERSION TO STORAGE AND 0.07 CFS FOR IRRIGATION. APPLICANT WILL RE APPLY TO COVER EVERYTHING THAT IS BEING USED AND THAT PERMIT WILL HAVE ALL PROPER OVERLAPS ONCE ISSUED.

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>
DIVERSION TO STORAGE	01/01 to 12/31	0.070 CFS	
IRRIGATION STORAGE	01/01 to 12/31		1.50 AF
IRRIGATION	03/15 to 11/15	0.070 CFS	13.50 AF
IRRIGATION FROM STORAGE	03/15 to 11/15		1.50 AF
AESTHETIC STORAGE	01/01 to 12/31		1.50 AF
<u>Totals:</u>		0.070 CFS	15.00 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 Adam Franklin Date 10/21/15

Reviewer Keith E. Franklin Date 11/4/15

THEORETICAL PUMPING EQUATION FOR WATER RIGHT 95-9294

PUMP EQUATIONS						
WATER RIGHT No.			95-9294			
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	5	522.517	0.8	430	40
Q = 0.067 cfs 30.3 gpm						

RECEIVED

2/13/96

Form 288-7
7/84

JUN 12 1996 POSTED IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

Use Typewriter
or
Ball Point Pen

IDAHO DEPARTMENT OF
WATER RESOURCES
IDWR

1. DRILLING PERMIT NO: 95-95-N-77
Other IDWR No: _____

2. OWNER: Ben Rolph
Name: Ben Rolph
Address: 5 Alhambra RD Box 12582
City: Hayden Lake State: ID Zip: 83835

3. LOCATION OF WELL by legal description:

Sketch map location must agree with written location.

Twp. <u>5N</u> North ☒ or South ☐	
Rge. <u>4W</u> East ☐ or West ☒	
Sec. <u>12</u> NE <u>1/4</u> SW <u>1/4</u> SE <u>1/4</u>	
Gov't Lot _____	County <u>Blaine</u>

Address of Well Site: Indicated to South
Alhambra S 1/4 mile City: Hayden Lake

Li. _____ Blk. _____ S.E. Name _____

OFFICE USE ONLY

4. PROPOSED USE:

☒ Domestic ☐ Municipal
☐ Thermal ☐ Injection

Inspected by _____
☐ Monitor ☐ Irrigation
☒ Other 3/1/96 Sec 7

5. TYPE OF WORK

☒ New Well ☐ Modify or Repair ☐ Replace ☐ Abandonment

6. DRILL METHOD

☐ Mud Rotary ☒ Air Rotary ☐ Cable ☐ Other _____

7. SEALING PROCEDURES

SEAL/FILTER PACK			AMOUNT		METHOD
Material	From	To	Feet or Feet	Feet or Feet	
<u>Portland</u>	<u>0</u>	<u>20</u>	<u>400 P</u>	<u>0.50</u>	<u>On-site</u>

Was drive shoe used? ☒ Y ☐ N Shoe Depth(s) 20
Was drive shoe seal tested? ☐ Y ☐ N How? _____

8. CASING/LINER:

Depth	From	To	Depth	Material	Casing	Inner	Welded	Twisted
<u>0</u>	<u>0</u>	<u>20</u>	<u>150</u>	<u>Steel</u>	☐	☐	☐	☐
<u>4</u>	<u>205</u>	<u>545</u>	<u>340</u>	<u>PVC</u>	☐	☐	☐	☐

Length of Headpipe _____ Length of Tailpipe _____

9. PERFORATIONS/SCREENS

☒ Perforations Method Drill
☐ Screens Screen Type _____

From	To	Slot Size	Number	Diameter	Material	Casing	Inner
<u>205</u>	<u>545</u>	<u>1/2"</u>	<u>300</u>	<u>4"</u>	<u>PVC</u>	☐	☒

10. STATIC WATER LEVEL OR ARTESIAN PRESSURE:

325 ft. below ground Artesian pressure _____ lb.
Depth flow encountered _____ ft. Describe access port or control devices: NE NW 7 SW 3W

11. WELL TESTS:

☒ Pump ☐ Bailer ☐ Air ☐ Flowing Artesian

Yield gal/min	Drawdown	Pumping Level	Time
<u>40</u>	<u>80 ft</u>	<u>405</u>	<u>14 min</u>

Water Temp. _____ Bottom hole temp. _____
Water Quality test or comments: _____

12. LITHOLOGIC LOG: (Describe repairs or abandonment)

Feet	From	To	Remarks: Lithology, Water Quality & Temperature	Y	N
<u>10</u>	<u>0</u>	<u>2</u>	<u>Top Soil</u>		☒
<u>10</u>	<u>2</u>	<u>4</u>	<u>Clay and Basalt</u>		☒
<u>10</u>	<u>4</u>	<u>6</u>	<u>Brown Clay</u>		☒
<u>10</u>	<u>6</u>	<u>9</u>	<u>Heavy Clay</u>		☒
<u>10</u>	<u>9</u>	<u>16</u>	<u>Reddish Brown Clay</u>		☒
<u>10</u>	<u>16</u>	<u>20</u>	<u>Black Basalt</u>		☒
<u>8</u>	<u>20</u>	<u>45</u>	<u>Hard Black Basalt</u>		☒
<u>8</u>	<u>45</u>	<u>207</u>	<u>Heavy shale</u>		☒
<u>8</u>	<u>207</u>	<u>247</u>	<u>Hard Black Basalt</u>		☒
<u>8</u>	<u>247</u>	<u>267</u>	<u>Yellow Clay</u>		☒
<u>8</u>	<u>267</u>	<u>287</u>	<u>Brown Clay</u>		☒
<u>8</u>	<u>287</u>	<u>307</u>	<u>Brown Clay sand</u>		☒
<u>3</u>	<u>307</u>	<u>320</u>	<u>Heavy Clay sand and water</u>	☒	
<u>8</u>	<u>320</u>	<u>347</u>	<u>Heavy sand water</u>	☒	
<u>8</u>	<u>347</u>	<u>367</u>	<u>Heavy Clay sand</u>	☒	
<u>8</u>	<u>367</u>	<u>387</u>	<u>Hard Gray Clay</u>		☒
<u>8</u>	<u>387</u>	<u>450</u>	<u>Brown Clay and water</u>	☒	
<u>8</u>	<u>450</u>	<u>470</u>	<u>Heavy sandstone gravel</u>	☒	
<u>8</u>	<u>470</u>	<u>545</u>	<u>Hard Brown sandstone</u>	☒	
			<u>Decomposed Basalt water</u>	☒	

Completed Depth 545 (Measurable)
Date: Started 5 25 95 Completed 6 6 95

13. DRILLER'S CERTIFICATION

I/We certify that all minimum well construction standards were complied with at the time the rig was removed. MLC Quality Drilling DBA

Firm Name Blue Water Drilling Firm No 457

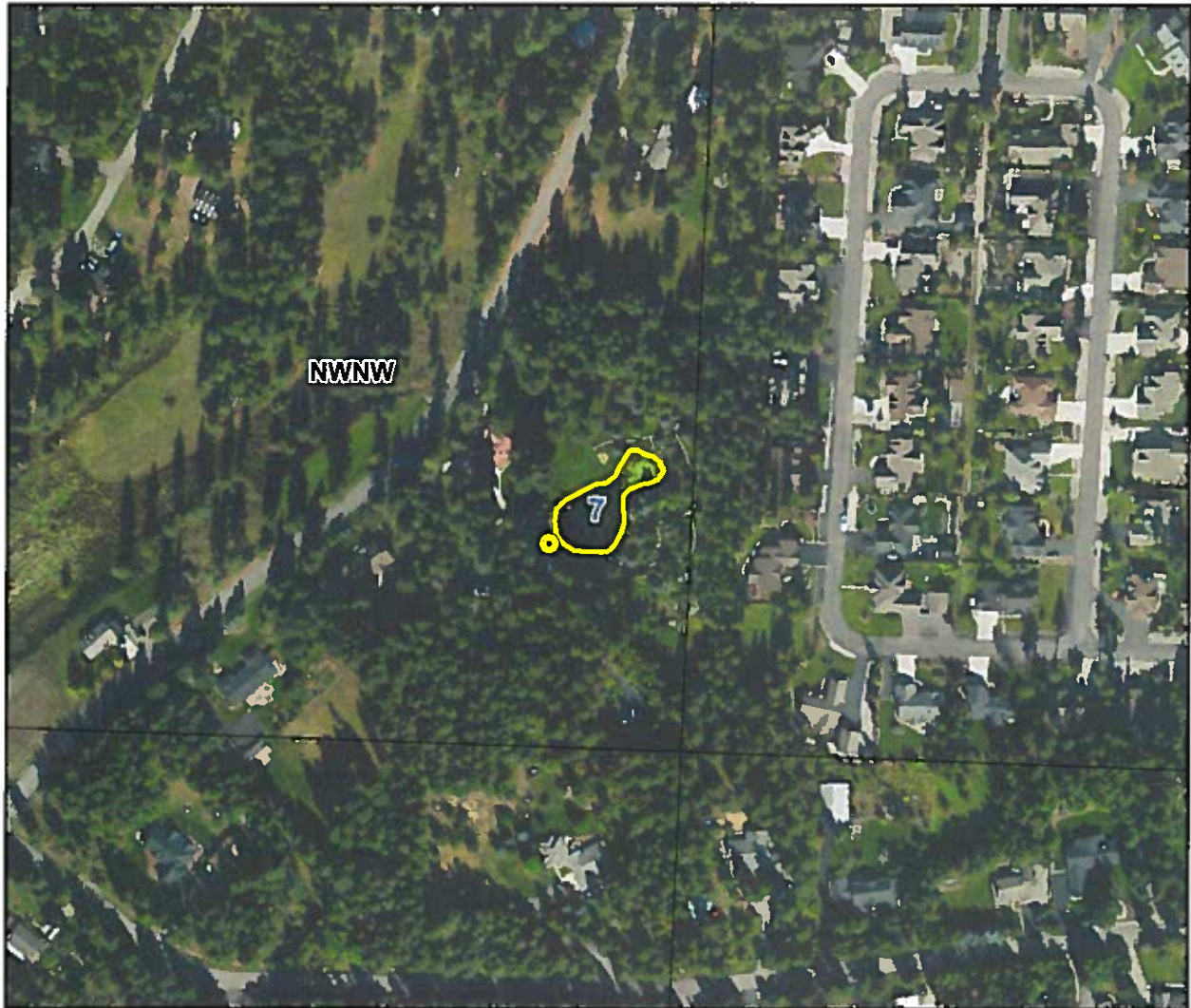
Firm Official J. M. Coleman Date 6 13 95

and _____ Date _____
Supervisor or Operator _____
(Sign once if Firm Official & Operator)

State of Idaho
Department of Water Resources
Water Right License
95-9294

03W

51N



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

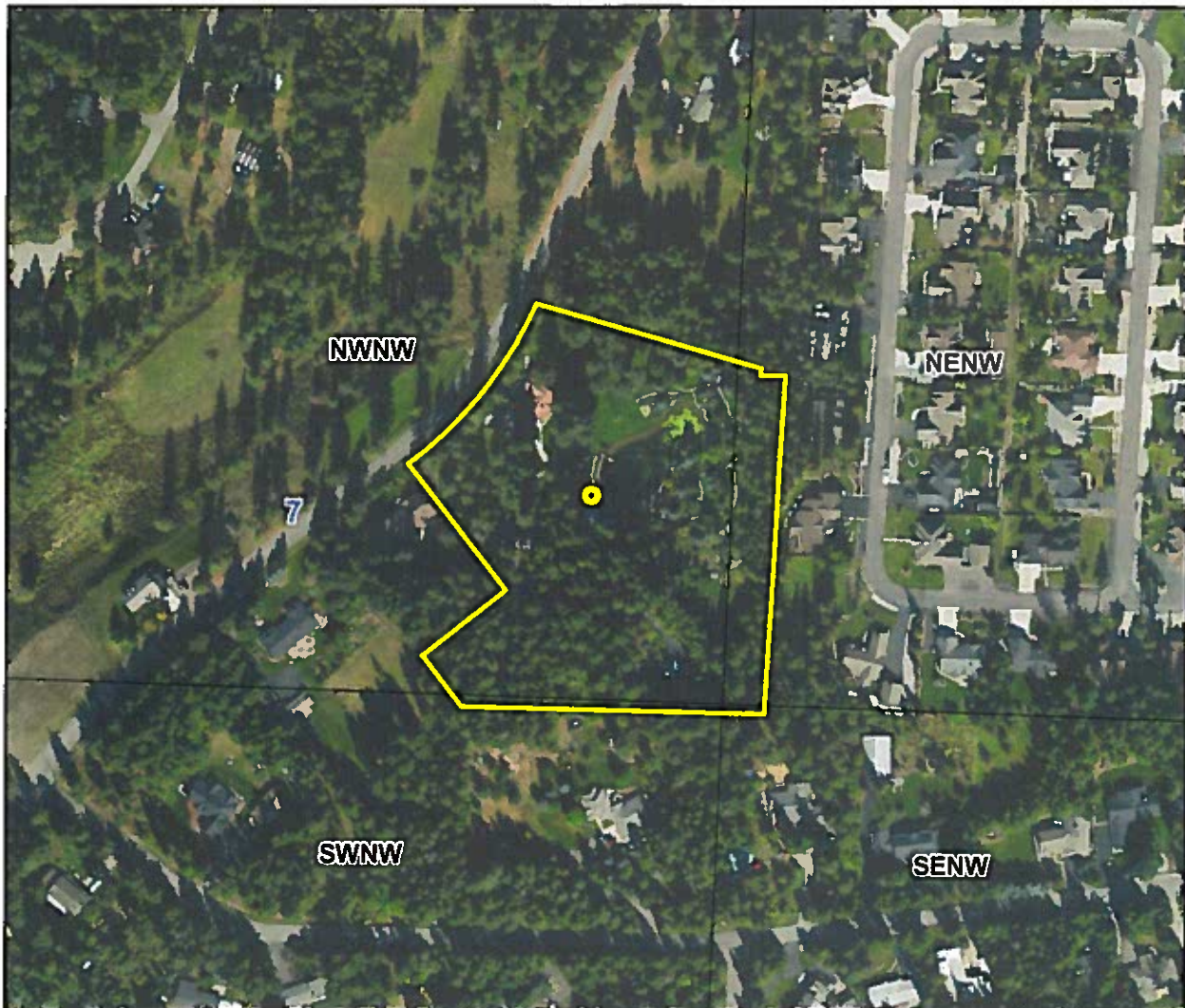
0 0.035 0.07 0.14 Miles



State of Idaho
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Water Right License
95-9294

03W

51N



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
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-  Quarter Quarters

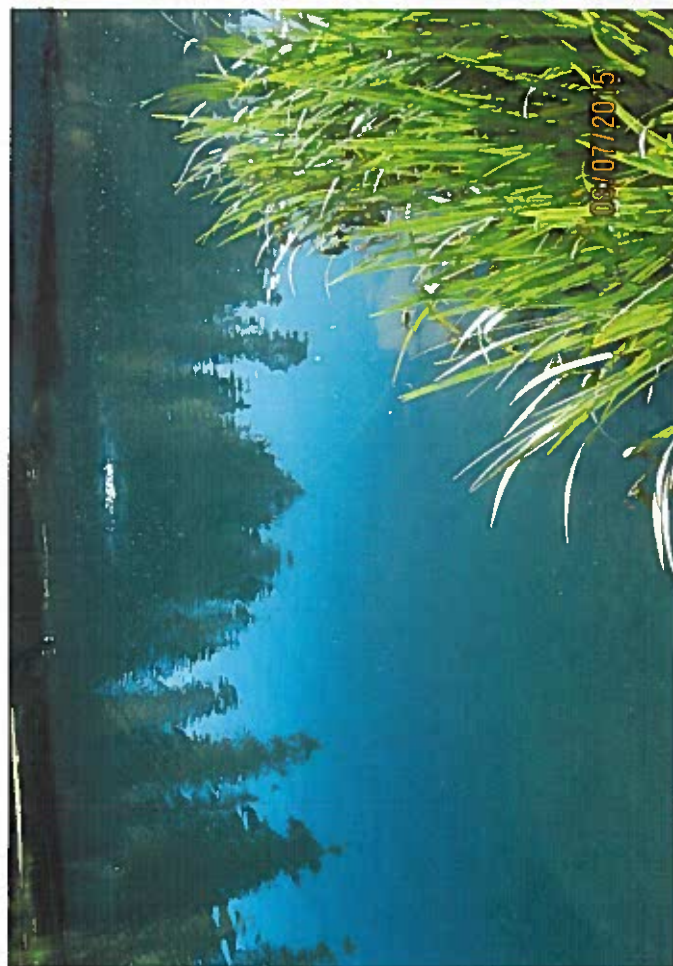
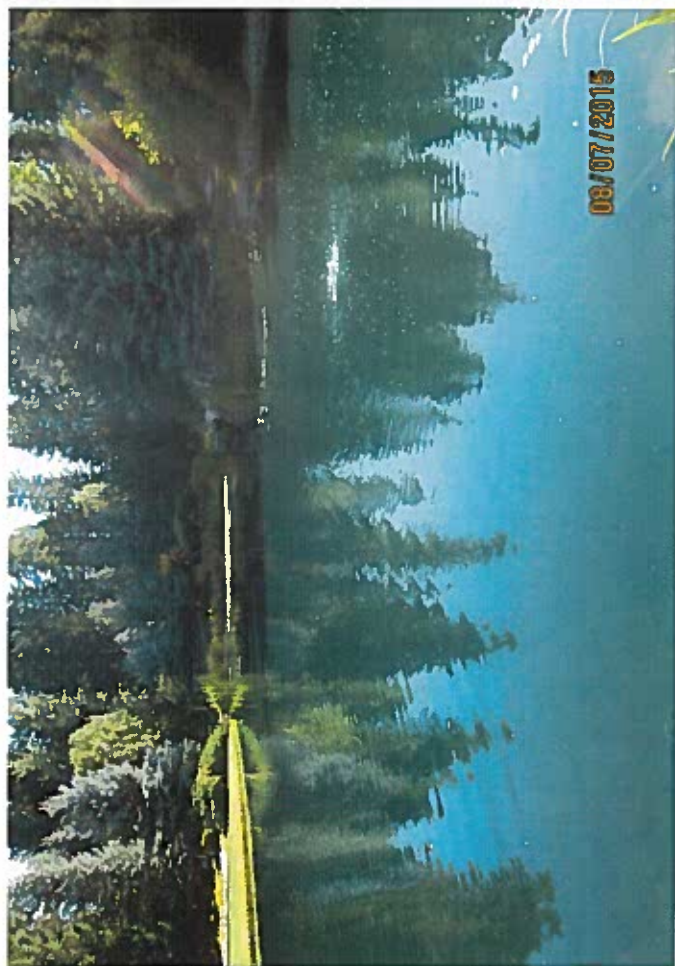
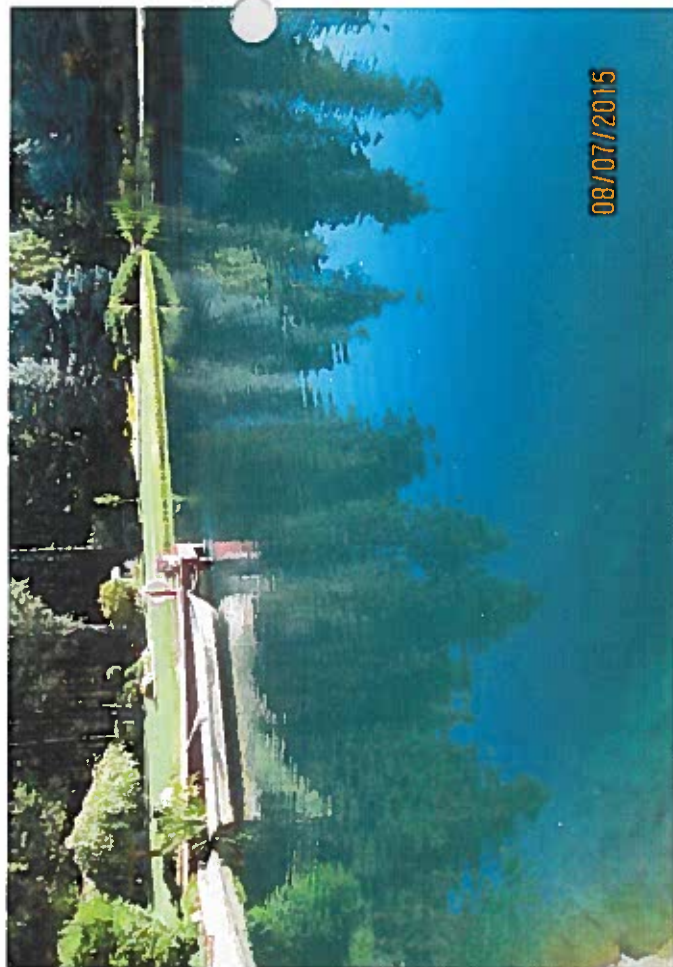
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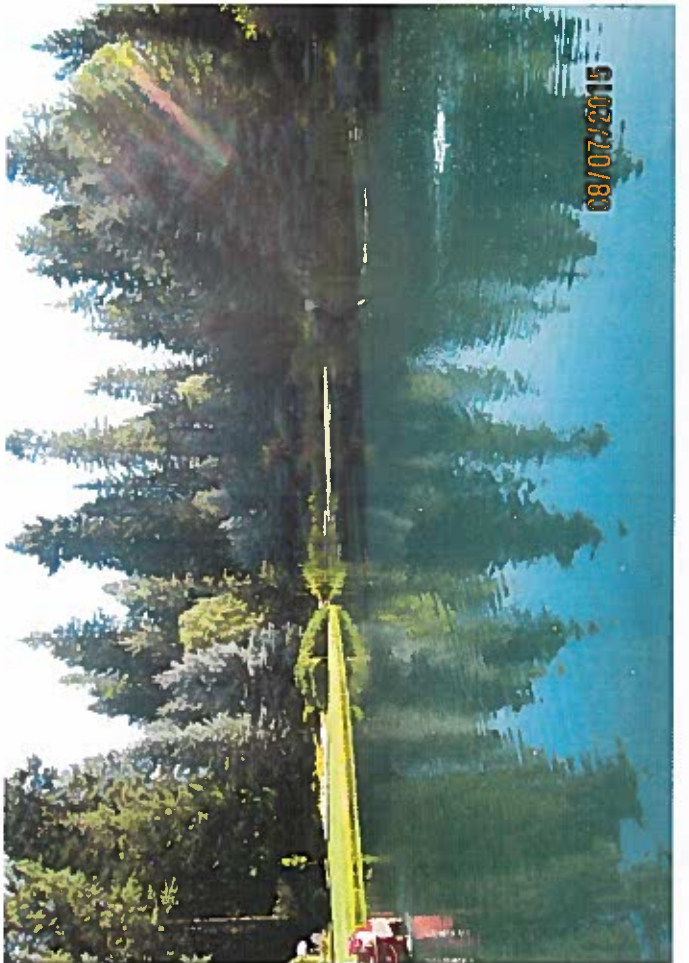


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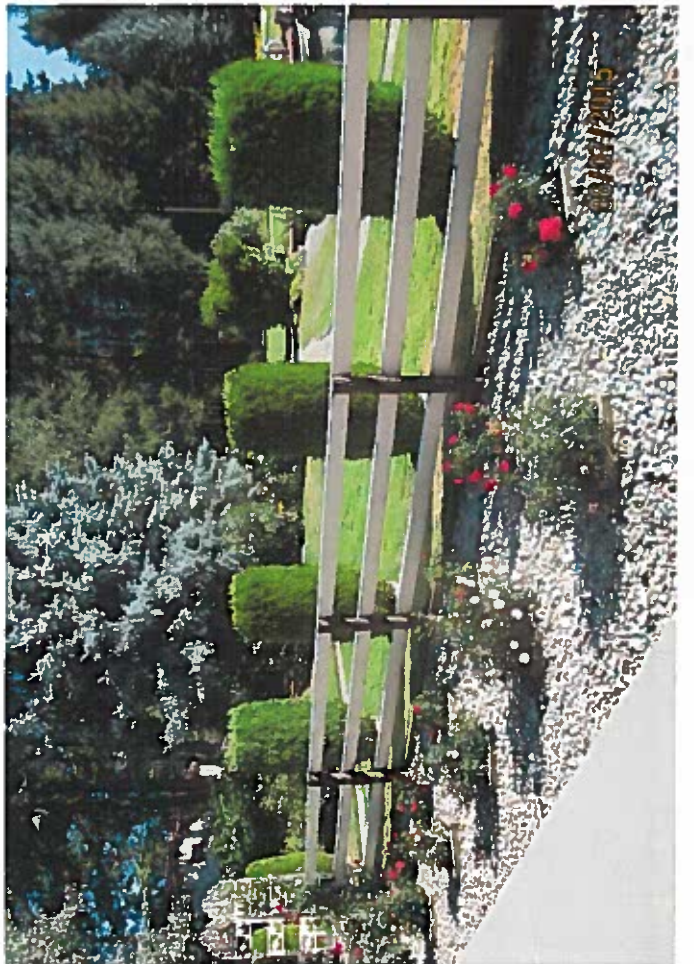
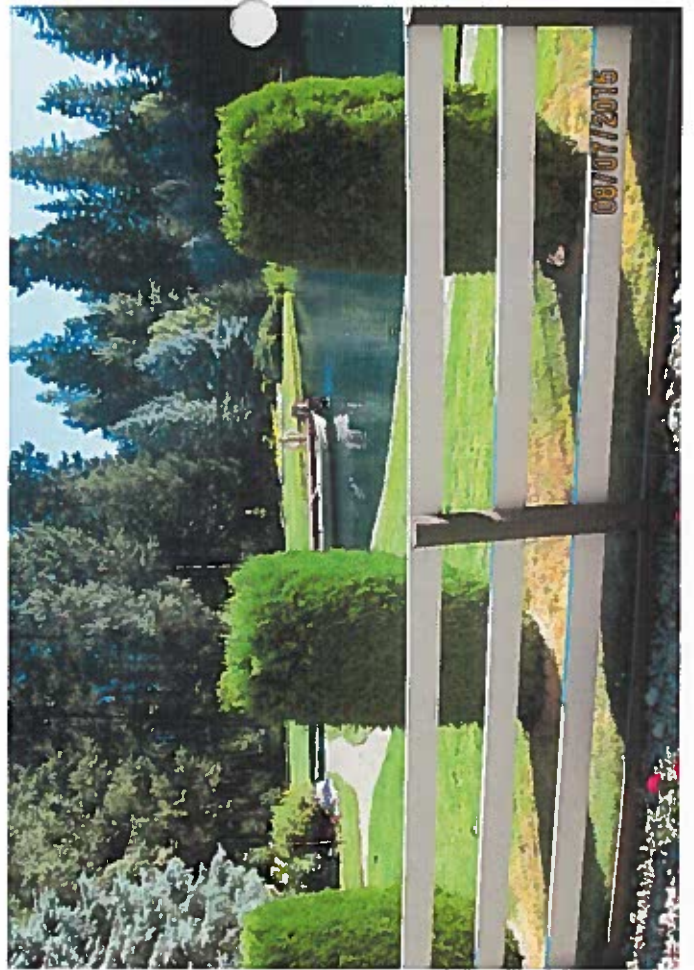




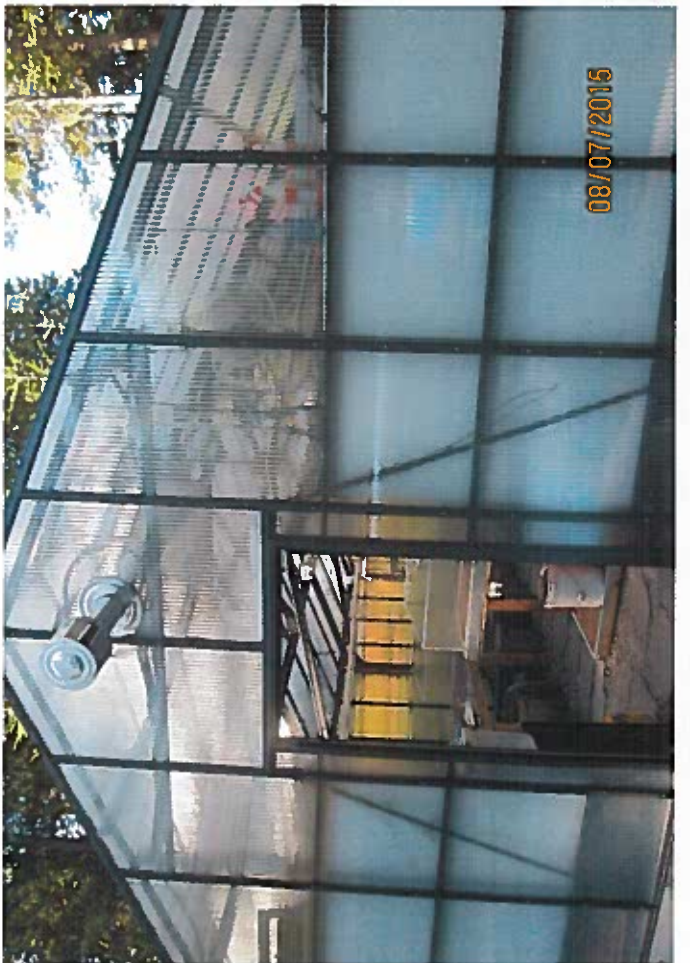
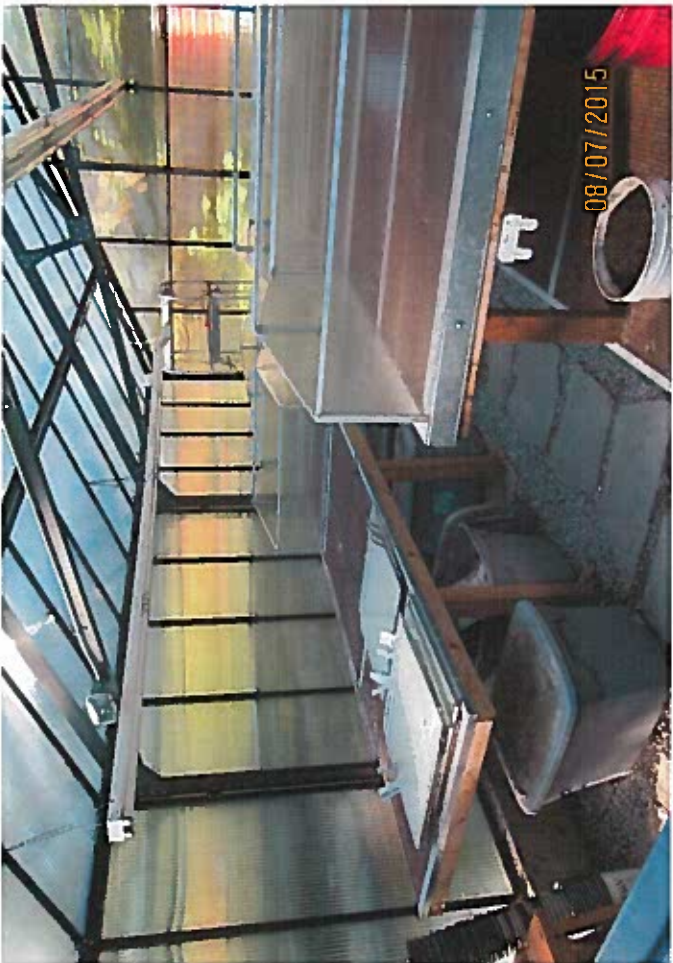
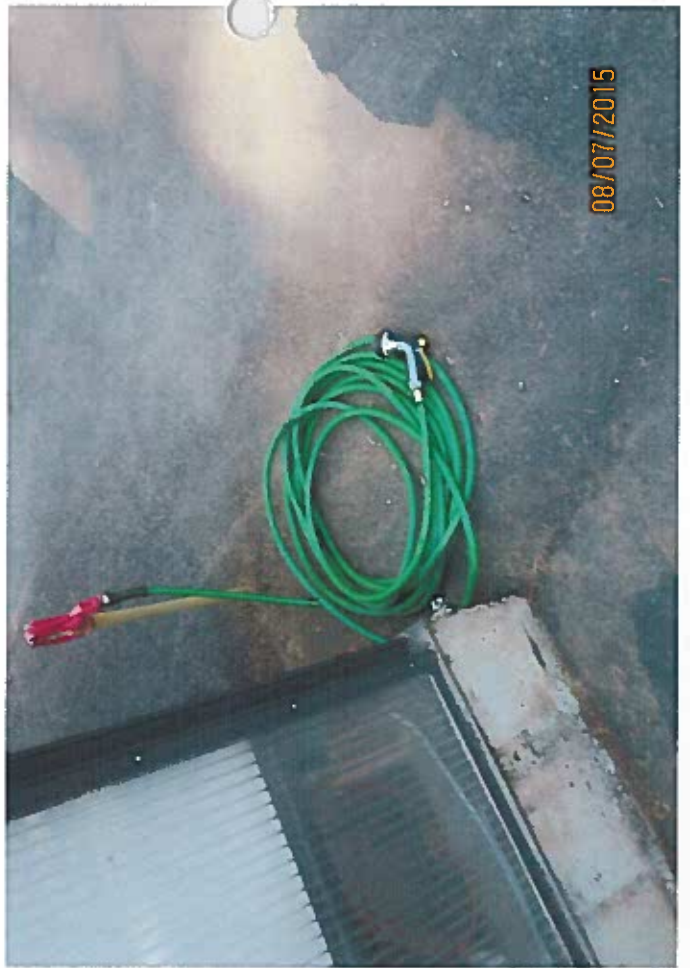
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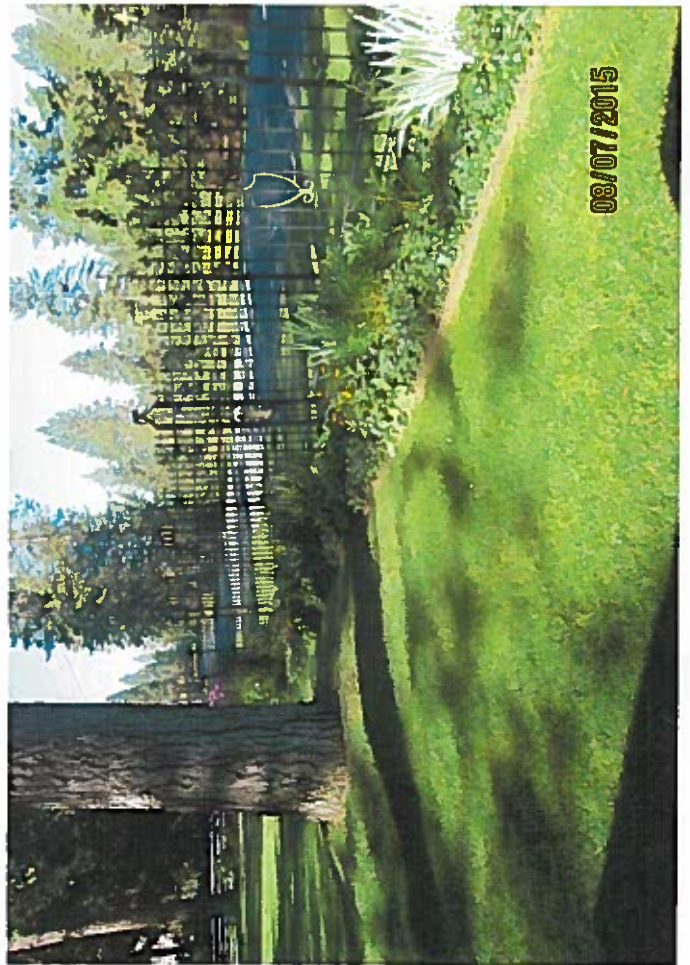
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