

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 94-7528

Exam Date: 7/31/2015

1. Current Owner: J CHRIS PFAHL
PO BOX 438
WALLACE ID 83873-0438
(208) 753-3811

And

DAVID H RUST
PO BOX 438
WALLACE ID 83873-0438
(208) 753-3811

2. Accompanied by: David Rust

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 SE1/4SW1/4SW1/4 Sec. 30, Twp 48N, Rge 05E, B.M. SHOSHONE County

Method of Determination: GPS and maps. POD location at 115° 52.471, 47° 28.499 (A0015492)

2.

PLACE OF USE: DOMESTIC

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>	
48N 04E 25																	X
48N 05E 30										X							

PLACE OF USE: COMMERCIAL

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>	
48N 05E 30											X						

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</u> <u>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</u> <u>Size</u>
	EMERSON	1			

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

D. FLOW MEASUREMENTS

1.

<u>Measurement</u> <u>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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N/A

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method: UNABLE TO PERFORM FLOW MEASUREMENT. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. THEORETICAL ASSUMES $(1 \text{ HP})(8.8)(0.8) / 12 + (45 \times 2.3087) = 0.06 \text{ CFS}$

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

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

2. Volume Calculations for Other Uses: DOMESTIC FOR 2 HOMES = 0.6 AF X 2 = 1.2 AF

½ ACRE OF IRRIGATION ON 1 DOMESTIC LOT = 0.6 AF

COMMERCIAL USE

1,000 GPD X 5 DAYS A WEEK = 5,000 GPW

5,000 X 4 WEEKS = 20,000 GPM

20,000 X 10 MONTHS OF OPERATION = 200,000 GPY / 325,850 GAL/AF = 0.6 AF

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM TO VERIFY 2 HOMES AND FIND OUT HOW MUCH WATER WAS BEING USED FOR COMMERCIAL USE. MEASUREMENT OF DIVERSION RATE COVERED UNDER IDAPA RULES 37.03.02.035.01.r. APPLICANT HAD HAND DUG WITH PUMP SET AT 12 FT WITH 45 PSI. CALCULATION ESTIMATES FLOW AT 0.06 CFS. APPLICANT HAD HOME AND MOBILE HOME ON SAME TAX LOT. THAT TAXLOT WILL BE GIVEN DOMESTIC IRRIGATION UP TO 1/2 ACRE FOR 1 HOME. COMMERCIAL USE HAS BEEN VARIOUS OCCUPANTS AND WILL BE GIVEN 0.6 AF FOR ANNUAL VOLUME.

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>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.80 AF
COMMERCIAL	01/01 to 12/31	0.020 CFS	0.60 AF
<u>Totals:</u>		0.060 CFS	2.40 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

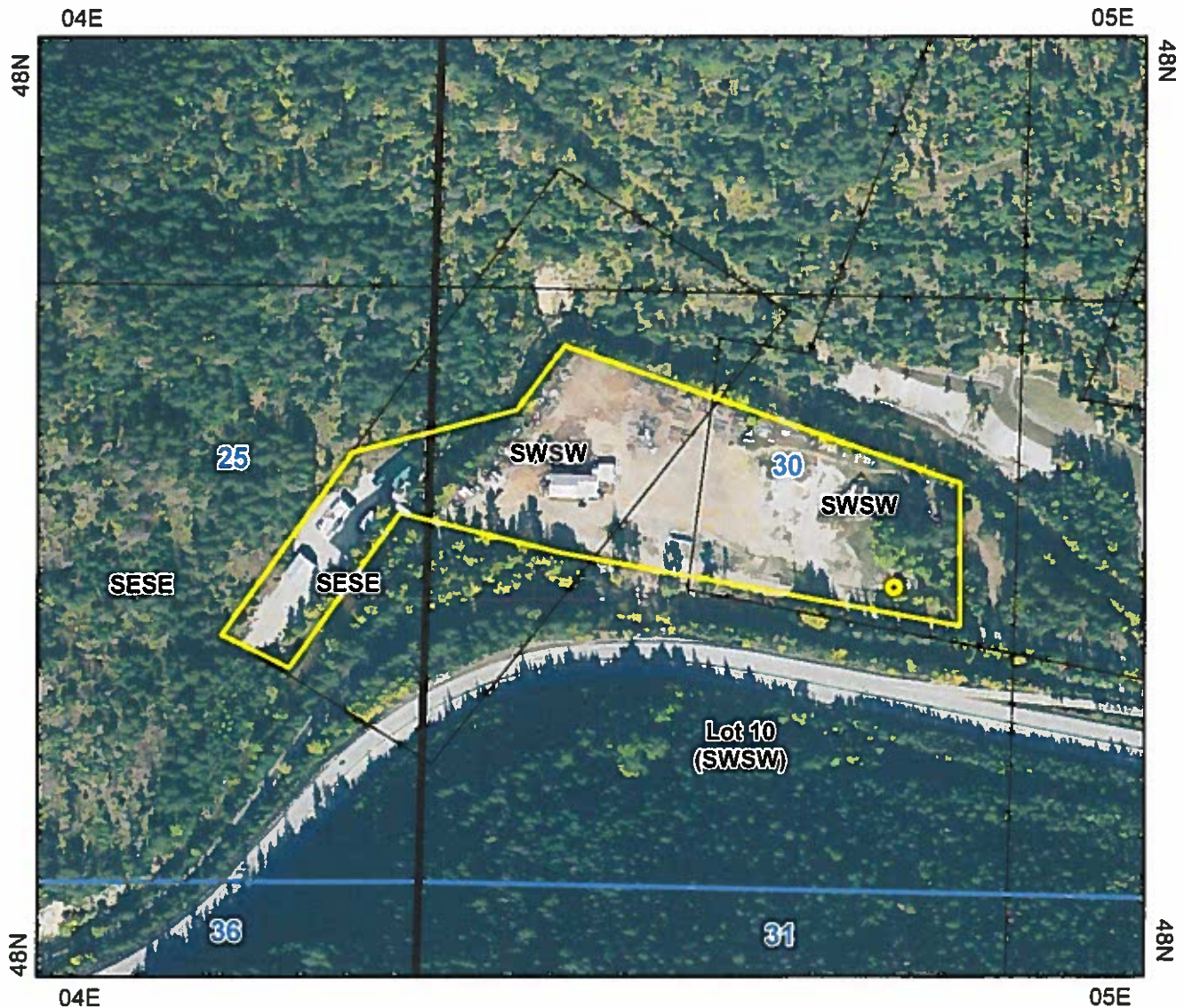
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Adam Fendler Date 12-16-2015

Reviewer _____ Date _____

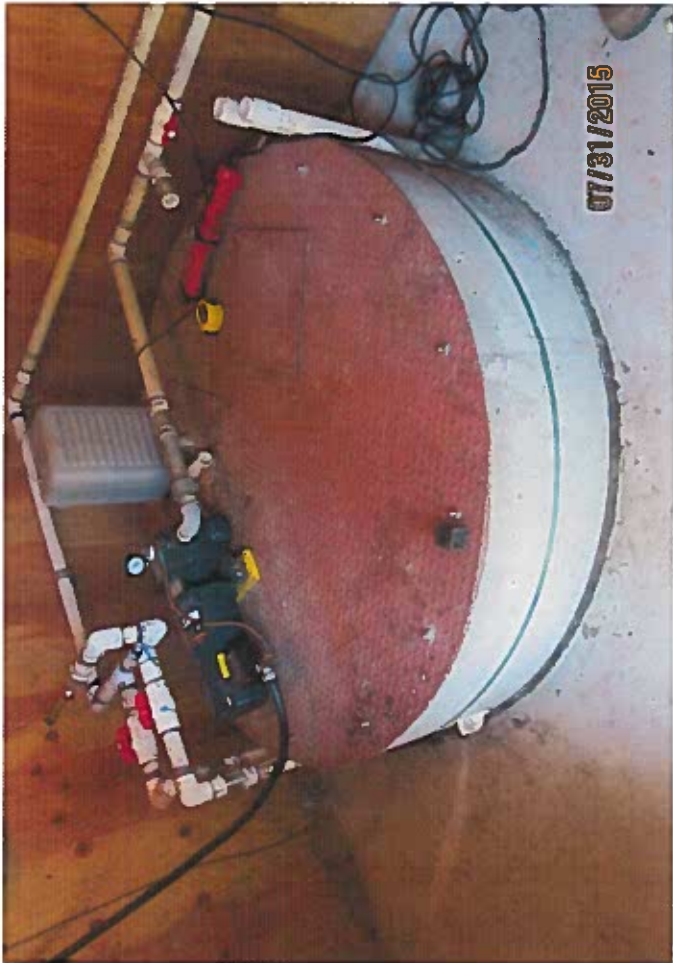
State of Idaho
Department of Water Resources
Water Right License
94-7528



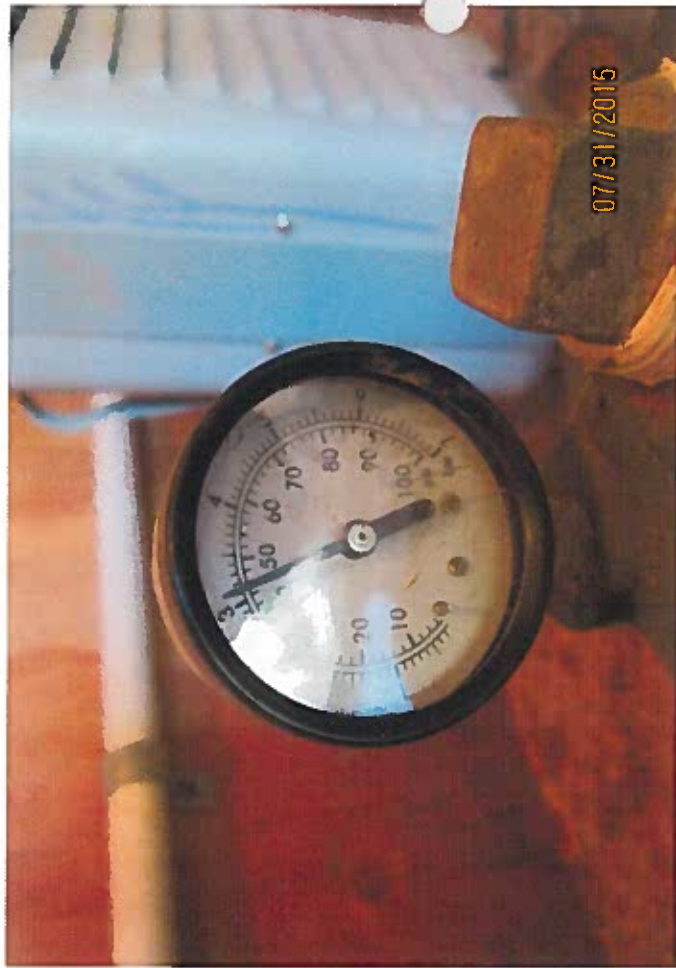
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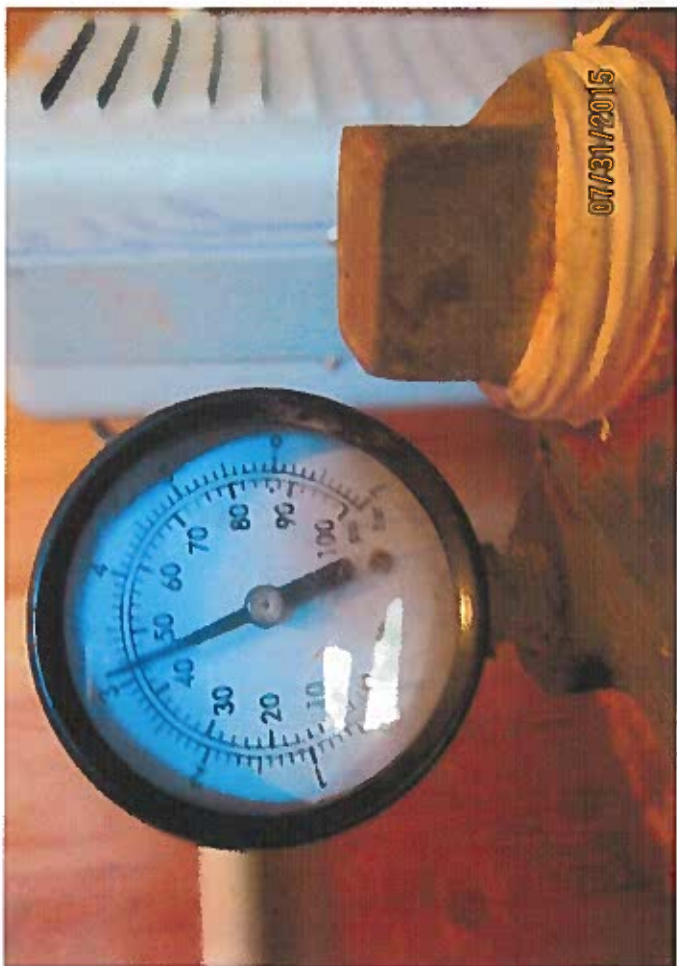
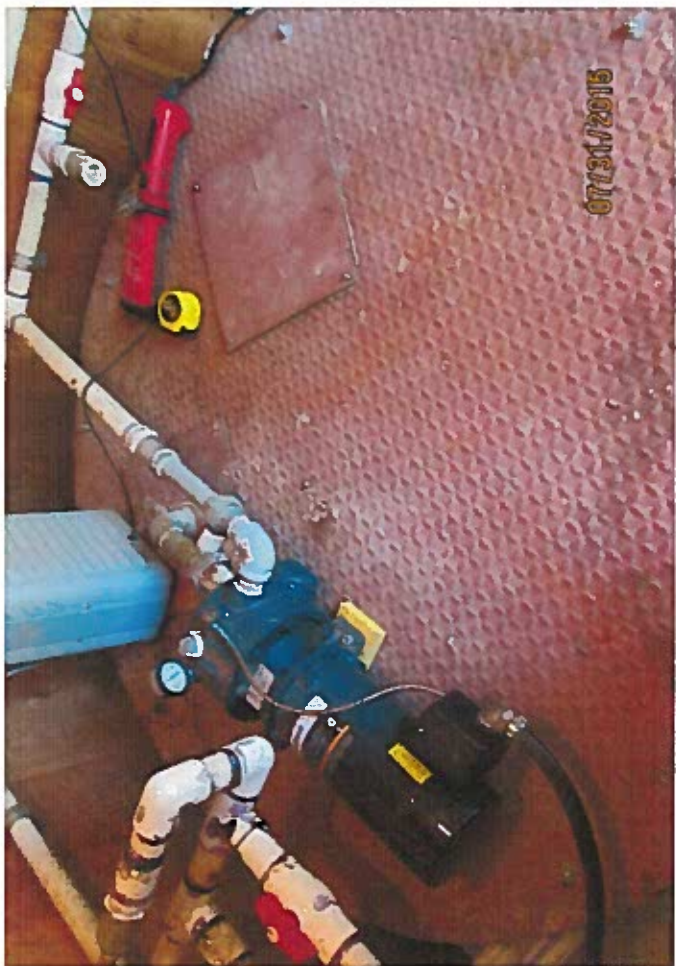
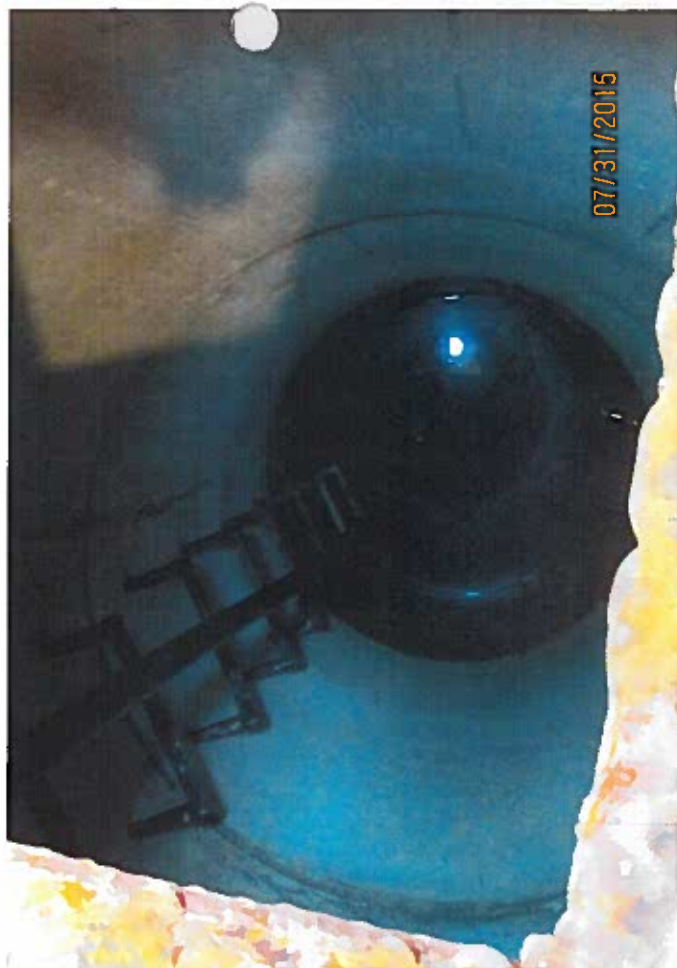
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



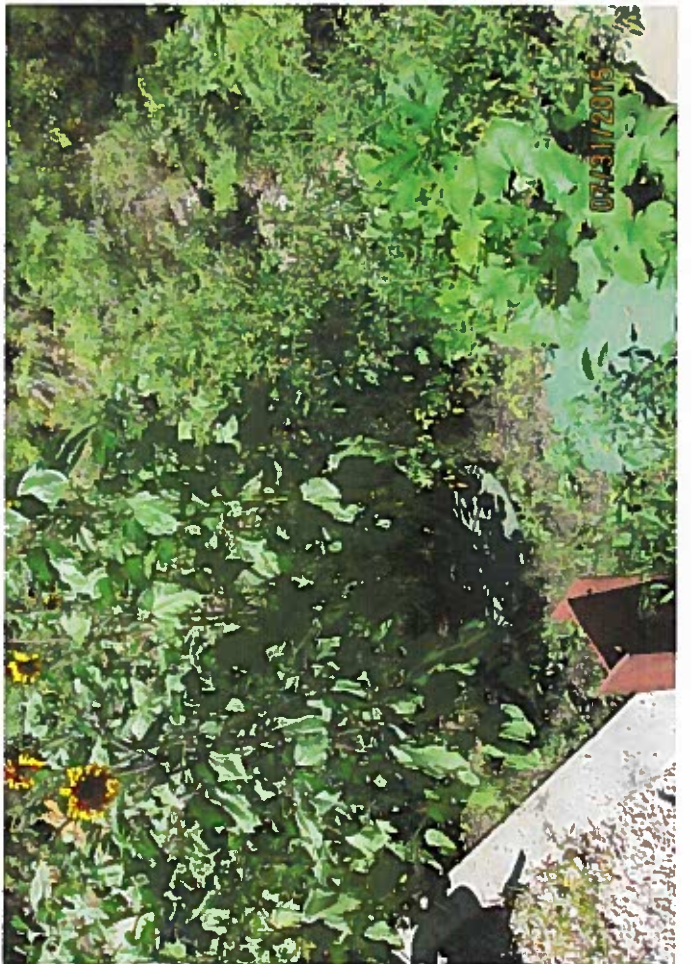


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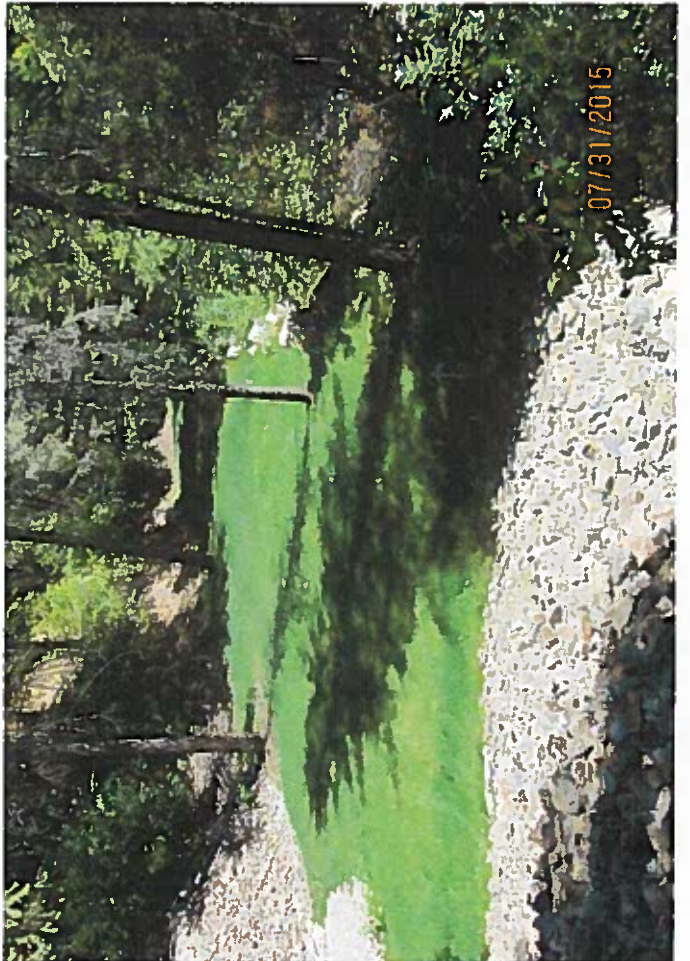
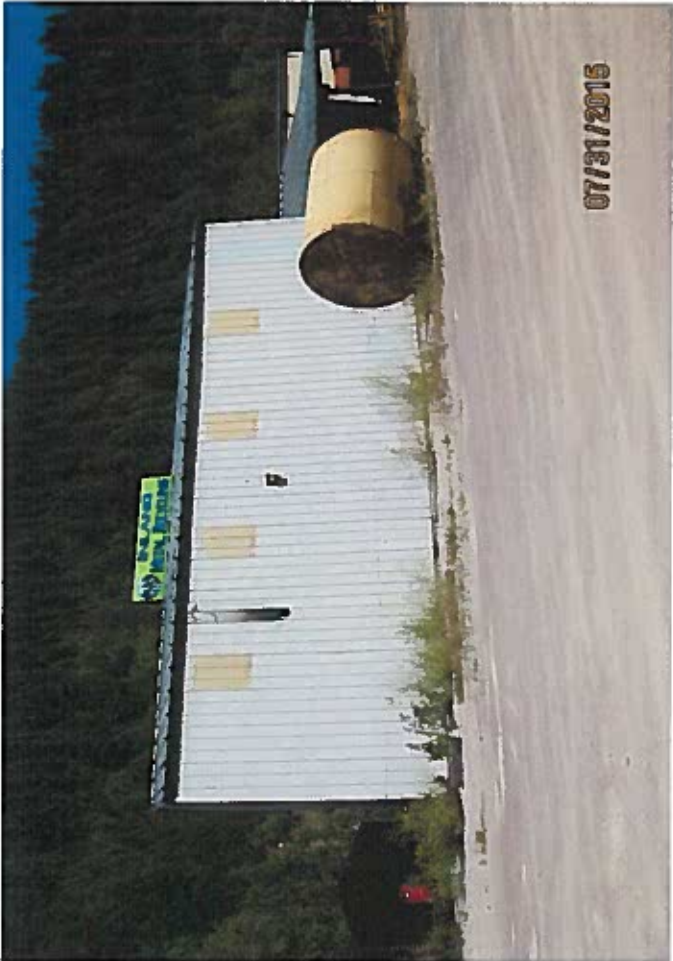
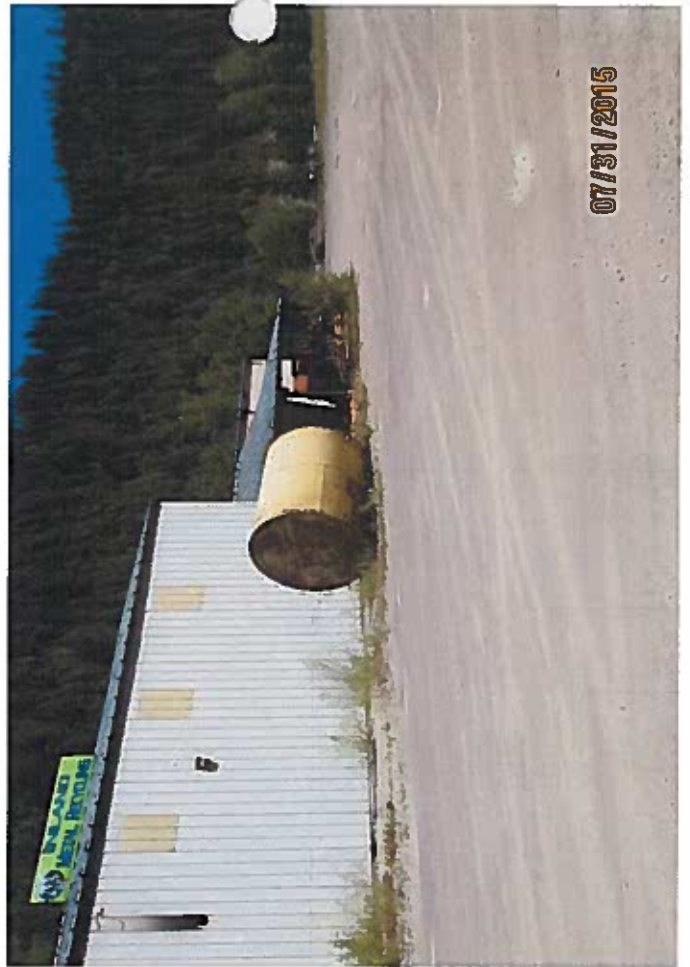




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