

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 97-7493

Exam Date: 7/15/2015

1. Current Owner: WAGNER TRUST
14021 E RIVER RD
PRIEST RIVER ID 83856
(208)443-2336

2. Accompanied by: Wagner's

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 SE1/4SW1/4 Sec. 10, Twp 59N, Rge 04W, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 48° 28.320, 116° 50.642

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>	
59N 04W 10												X					

PLACE OF USE: STOCKWATER

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>	
59N 04W 10											X	X			X		

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
59N 04W 10	<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>	1.6
												1.2			.4		

Total Acres: 1.6

PLACE OF USE: FIRE PROTECTION

Twp Rge Sec	NE				NW				SW				SE				Totals
59N 04W 10	<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>	
											X	X			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>
	CRAFTSMAN	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>
5 GALLON BUCKET TEST						
2. Measurements: MEASURED 5 GALLONS IN 19 SECONDS. $(60 \text{ SECONDS} / 19 \text{ SECONDS}) \times 5 \text{ GALLONS} = 15.8 \text{ GPM OR } 0.04 \text{ CFS.}$						

E. FLOW CALCULATIONS

Measured Method:

☐ Additional Computation Sheets Attached

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

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.6 \text{ AC} \times 3 \text{ AF} = 4.8 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \times 214 \times 1.9835 = 17.0 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.8 \text{ AF}$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 HOME = 0.6 AF

$$12 \text{ HEAD OF MIXED STOCK} \times 12 \text{ GPD} \times 365 \text{ DAYS} / 325,850 \text{ GAL/AF} = 0.2 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

FIELD EXAM SHOWED HAND DUG WELL IN BASEMENT OF APPLICANTS HOME WITH 1 HP PUMP. 5 GALLON BUCKET TEST WAS CONDUCTED AND FILLED IN 19 SECONDS OR 0.04 CFS. IRRIGATION WILL BE CUT BACK TO 1.6 ACRES. APPLICANT HAD LARGE GARDEN AND YARD AND ALSO IRRIGATED SOME LAND FOR HAY AND LIVESTOCK.

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	0.60 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.20 AF
IRRIGATION	04/01 to 10/31	0.040 CFS	4.80 AF
FIRE PROTECTION	01/01 to 12/31	0.040 CFS	
<u>Totals:</u>		0.040 CFS	5.60 AF

2. Recommended Amendments

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

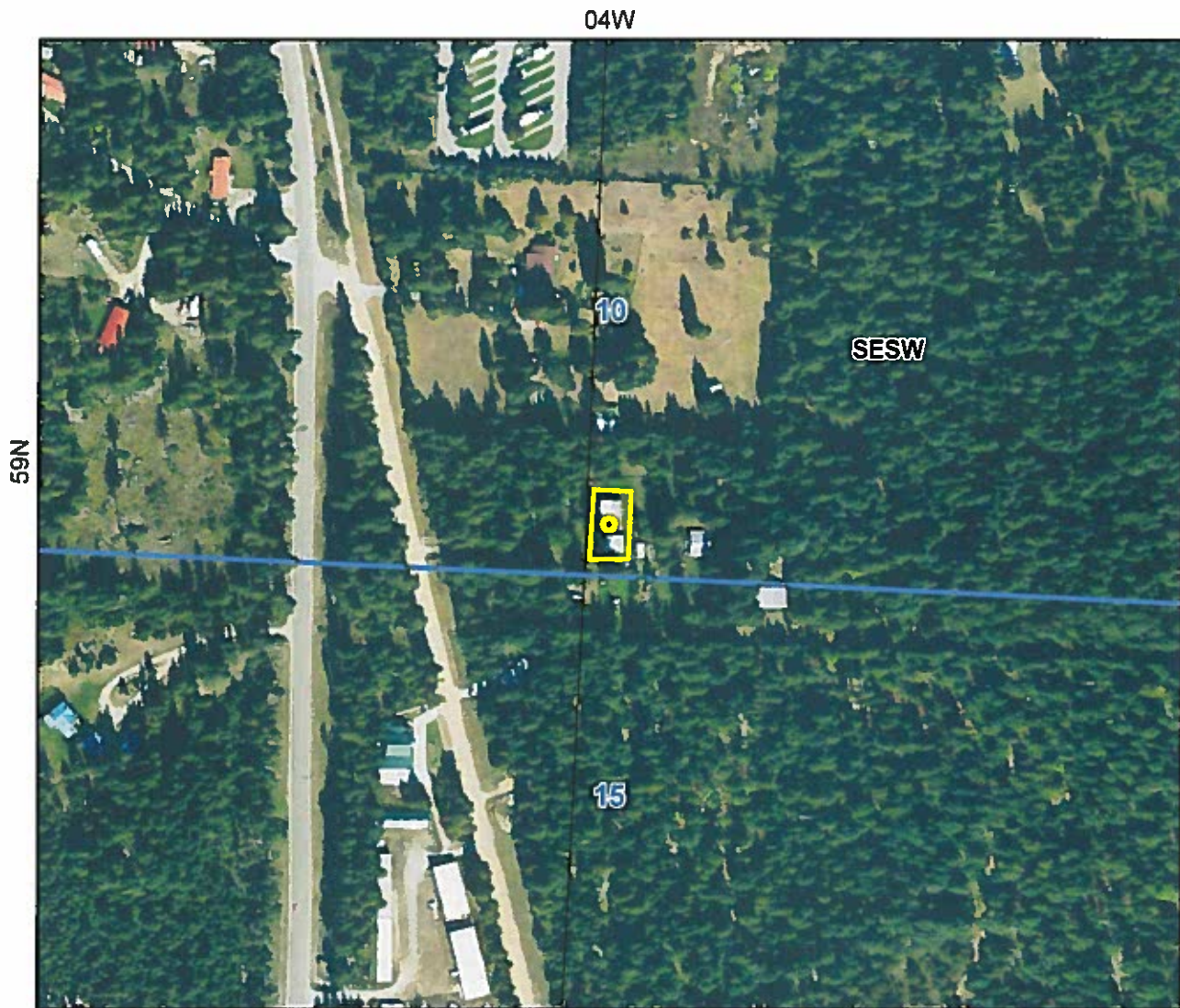
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Adam Friedman Date 12-17-2015

Reviewer [Signature] Date 12-17-2015

State of Idaho
Department of Water Resources
Water Right License
97-7493
Domestic



0 0.035 0.07 0.14 Miles

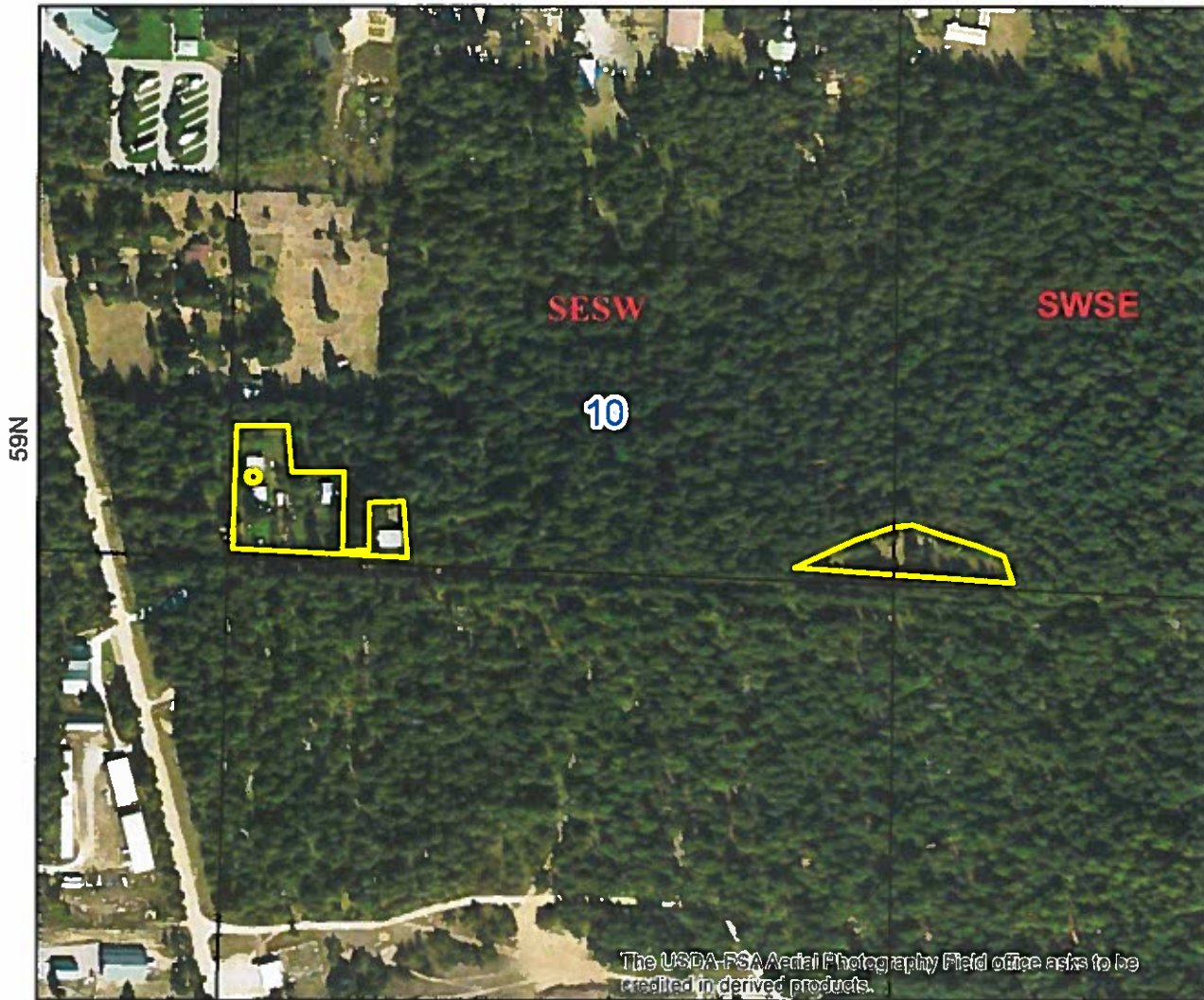
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



State of Idaho
Department of Water Resources
Water Right License
97-7493

Irrigation

04W



0 0.045 0.09 0.18 Miles

-  Point of Diversion
-  Place Of Use Boundary
-  Townships

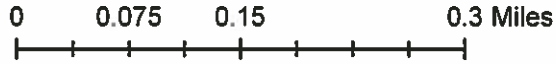
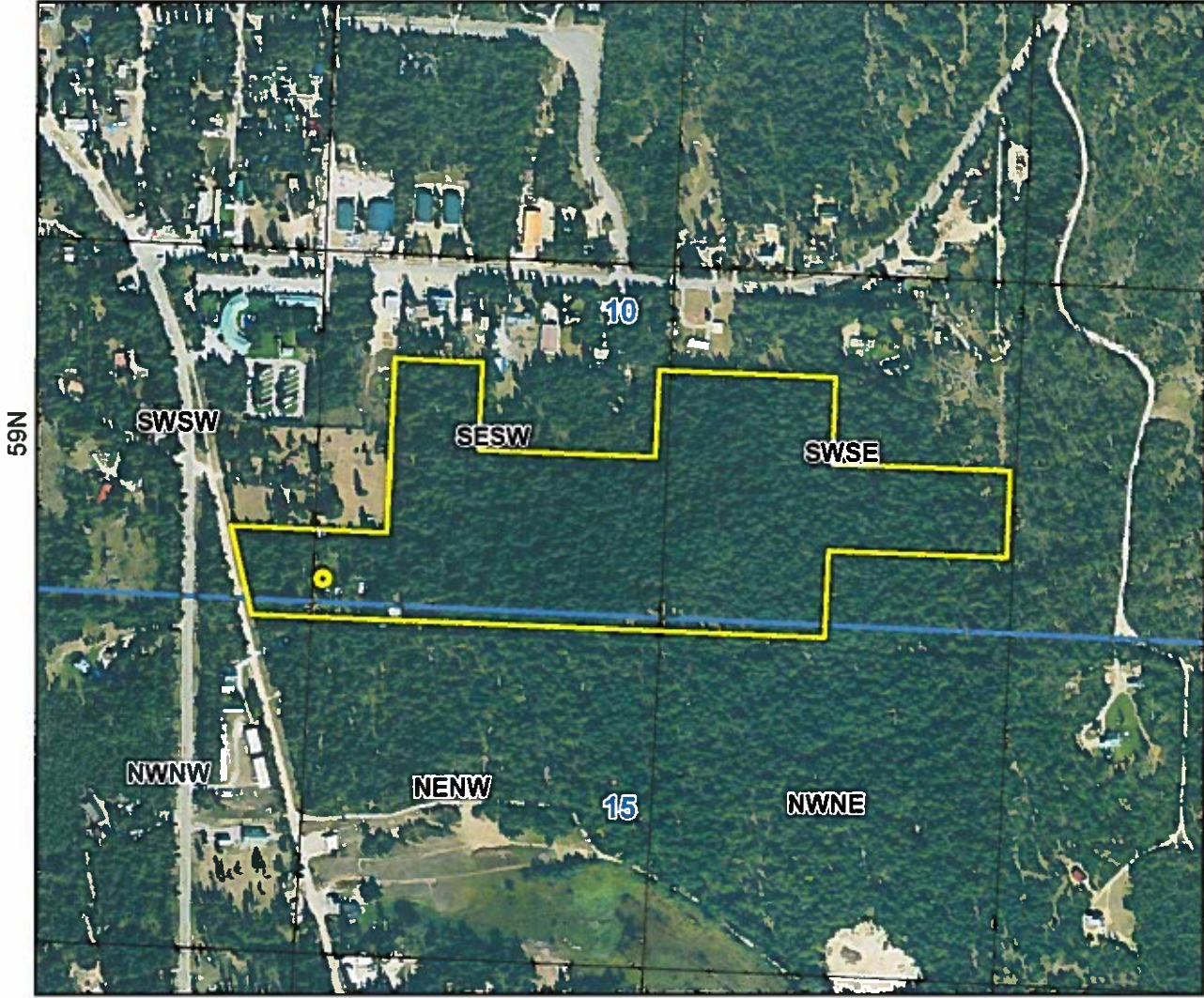


State of Idaho
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97-7493

*Stockwater
Fire Protection*

04W



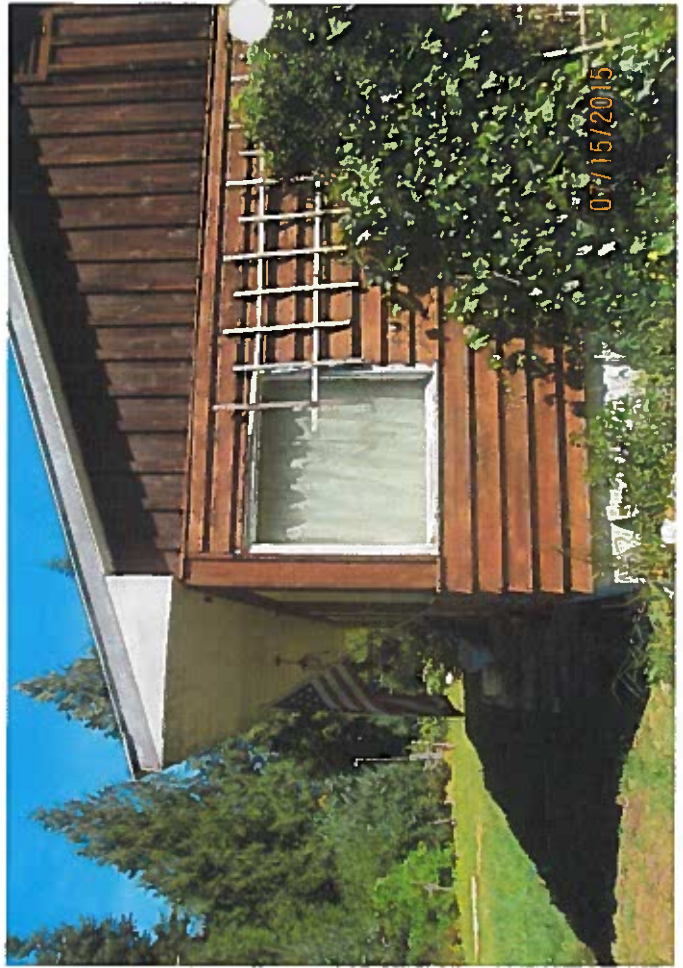
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections



Irrigation



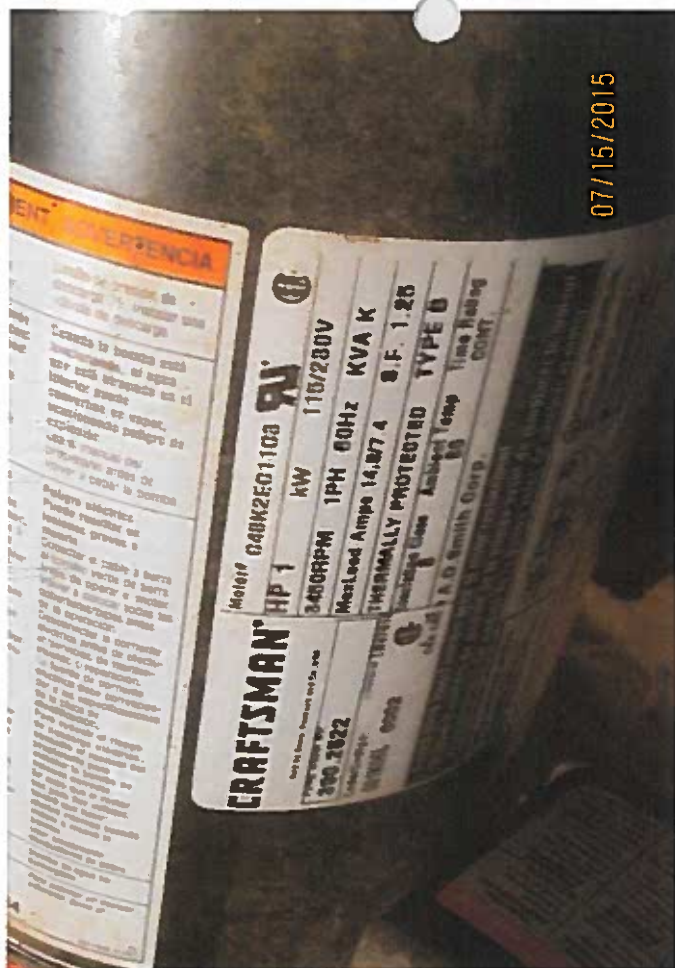
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Home

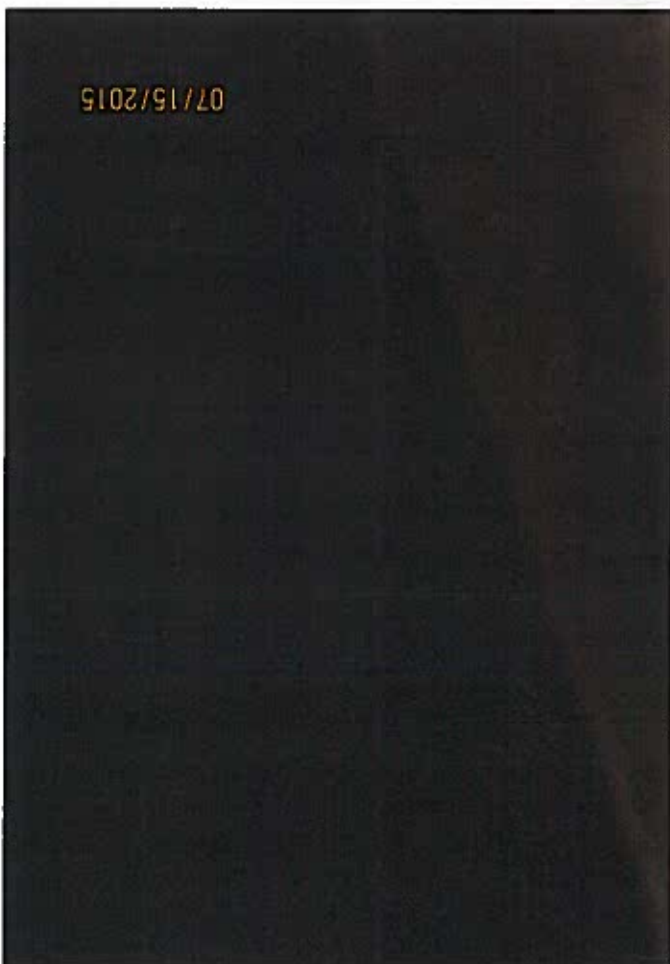
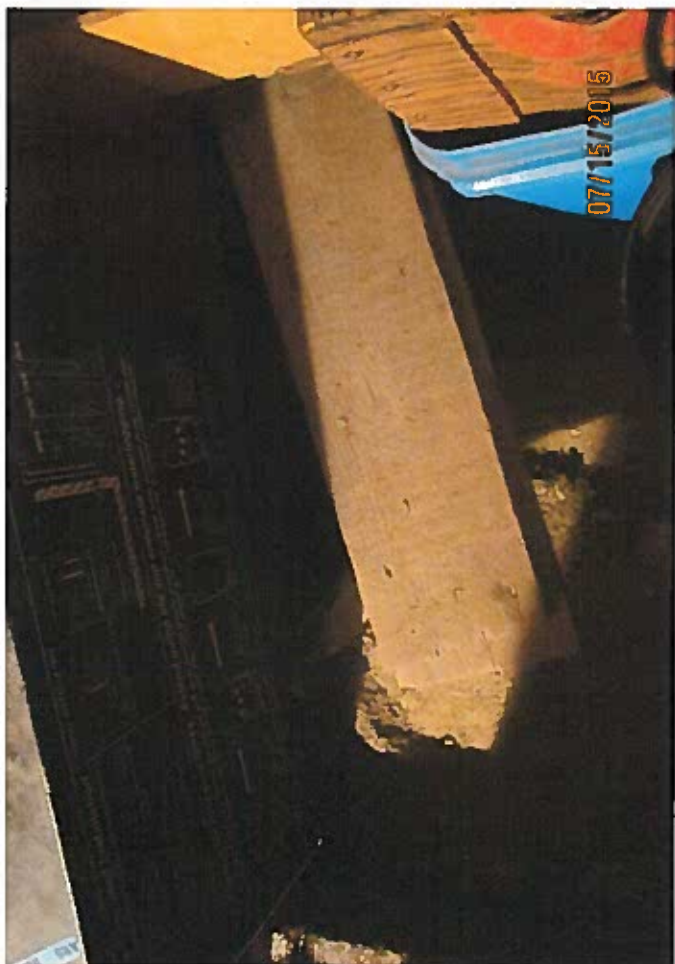


Pump



Hand dug well

Well



PSI



97-7493

Garden



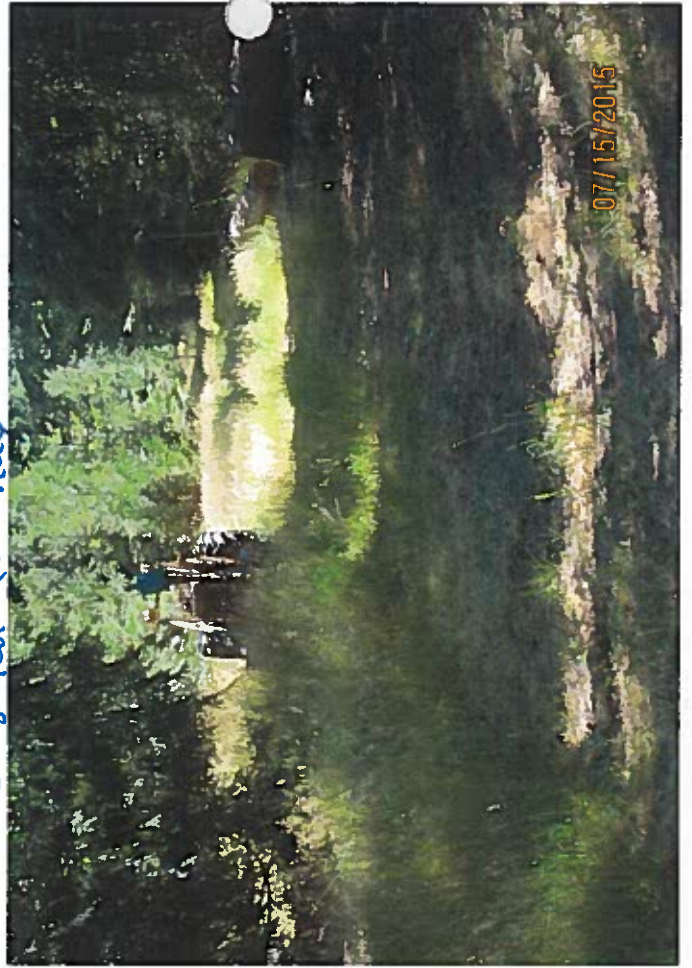
Irrigation

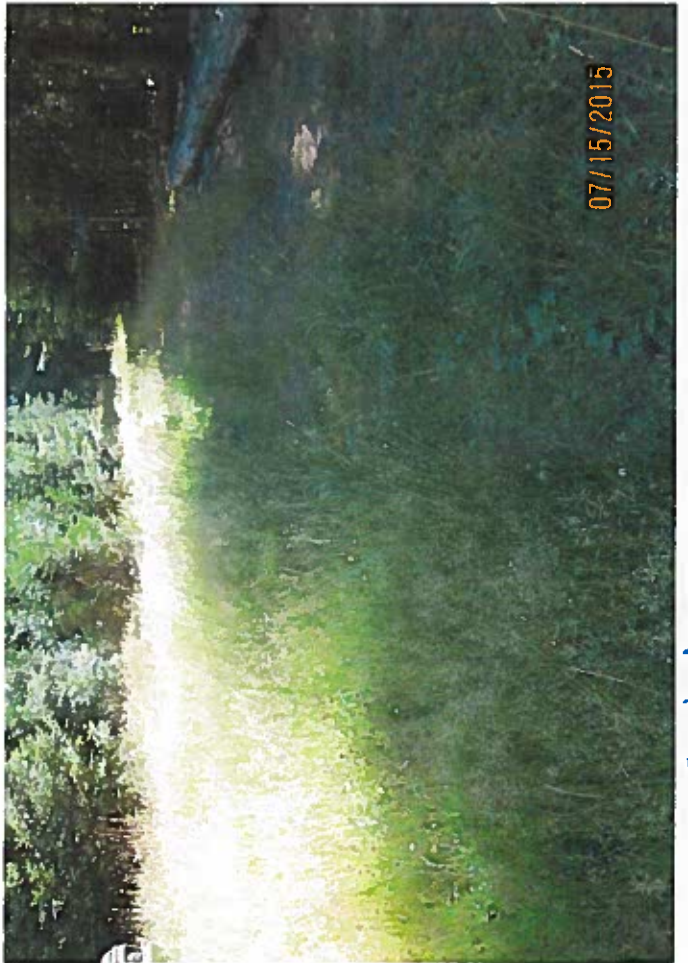
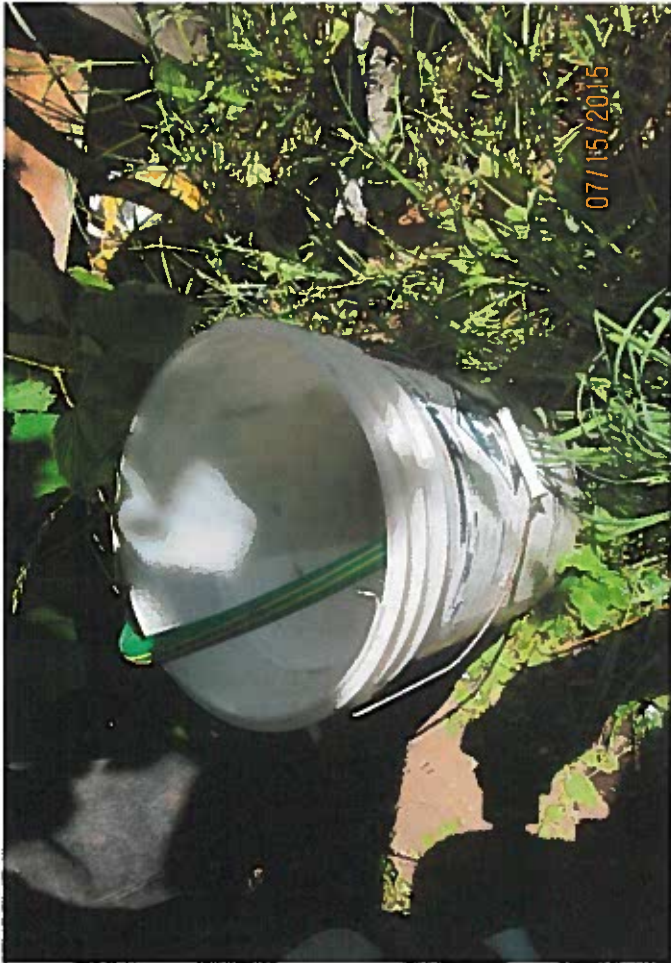


97-7492



Irrigated for hay





Bucket test

Irrigated for hay

97-7492