

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9150

Exam Date: 8/12/2015

1. Current Owner: GREG WHITELEY
7507 STEPDOWN COVE
AUSTIN TX 78731
(512)345-3411
2. Accompanied by: Robert (Friend of Mr. Whiteley's)

3. SOURCE

FLUME CREEK

TRIBUTARY

RAPID LIGHTNING CREEK

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:**

FLUME CREEK NE1/4SW1/4 Sec. 14, Twp 58N, Rge 01E, B.M. BONNER County

Method of Determination: GPS and maps. POD location at 48° 22.631, 116° 18.027

2.

PLACE OF USE: DOMESTIC

Twp Rge Sec	NE				NW				SW				SE				Totals
58N 01E 14	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									X								

PLACE OF USE: FIRE PROTECTION

Twp Rge Sec	NE				NW				SW				SE				Totals
58N 01E 14	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
									X								

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</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>
	HONDA				

*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. SEE ATTACHED HONDA MOTOR PERFORMANCE SHEET FOR PUMPING RATE.

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

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

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

$$V = \text{Smaller of } V_{IR} \text{ and } V_{D.R.} =$$

2. Volume Calculations for Other Uses: DOMESTIC USE FOR 1 HOME WITH IRRIGATION UP TO 1/2 ACRE = 1.2AF**G. NARRATIVE/REMARKS/COMMENTS**

FIELD EXAM SHOWED APPLICANT HAD SMALL CULVERT ALONGSIDE OF FLUME CREEK THAT WOULD FILL WITH WATER. APPLICANT WOULD THEN USE A HONDA GX160 PUMP TO PULL WATER OUT OF CULVERT FOR USE IN IRRIGATION OF UP TO 1/2 ACRE AND BACK UP USE FOR HOME. PROPERTY HAD DOMESTIC DRILLED WELL D0013860 FOR USE FOR HOME AND IRRIGATION UP TO 1/2 ACRE. APPLICANT HAD ABOUT 1 ACRE OF IRRIGATION OCCURRING BETWEEN WELL SOURCE AND FLUME CREEK. HONDA PUMP IS CAPABLE OF PUMPING 134 GPM SO LICENSE WILL BE ISSUED FOR 0.04 CFS FOR DOMESTIC WITH ANNUAL VOLUME OF 1.2 ACRE FEET AND 0.20 CFS FOR FIRE PROTECTION.

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	1.20 AF
FIRE PROTECTION	01/01 to 12/31	0.200 CFS	
<u>Totals:</u>		0.200 CFS	1.20 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 Funder Date 2-1-2016
 Reviewer Bertie E. Franklin Date 2-3-2016

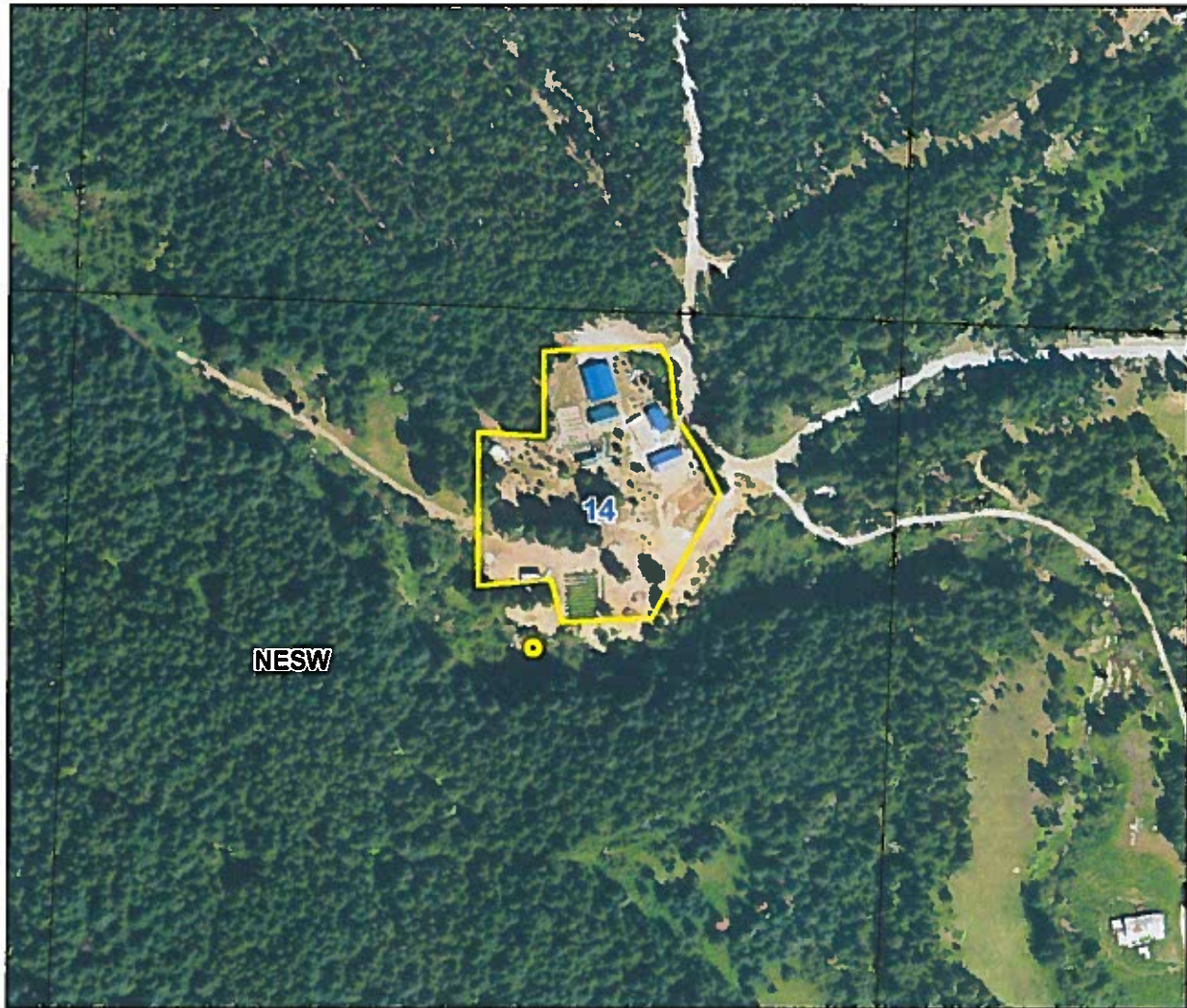
State of Idaho
Department of Water Resources
Water Right License

96-9150

Domestic

01E

58N



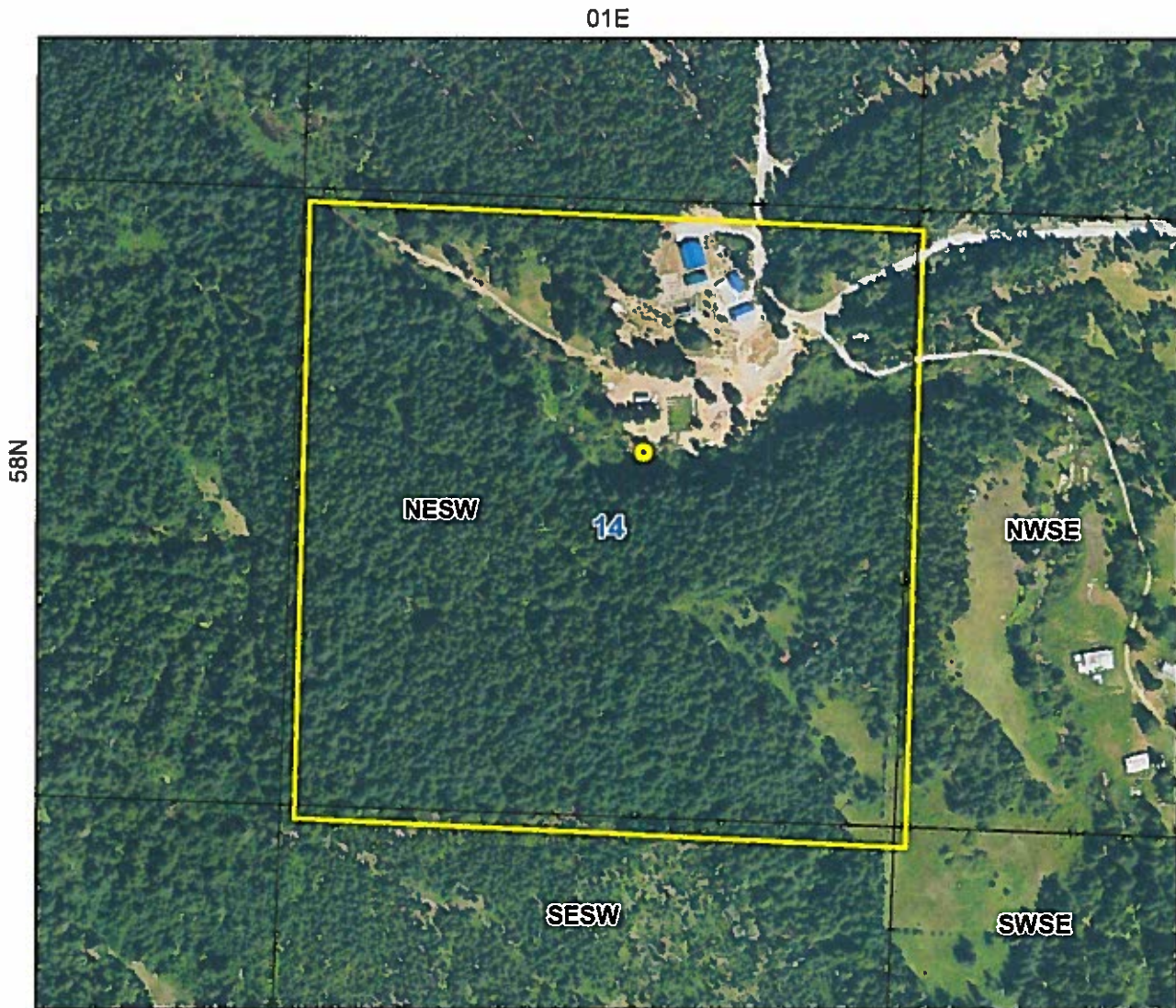
NESW

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
96-9150
Fire Protection



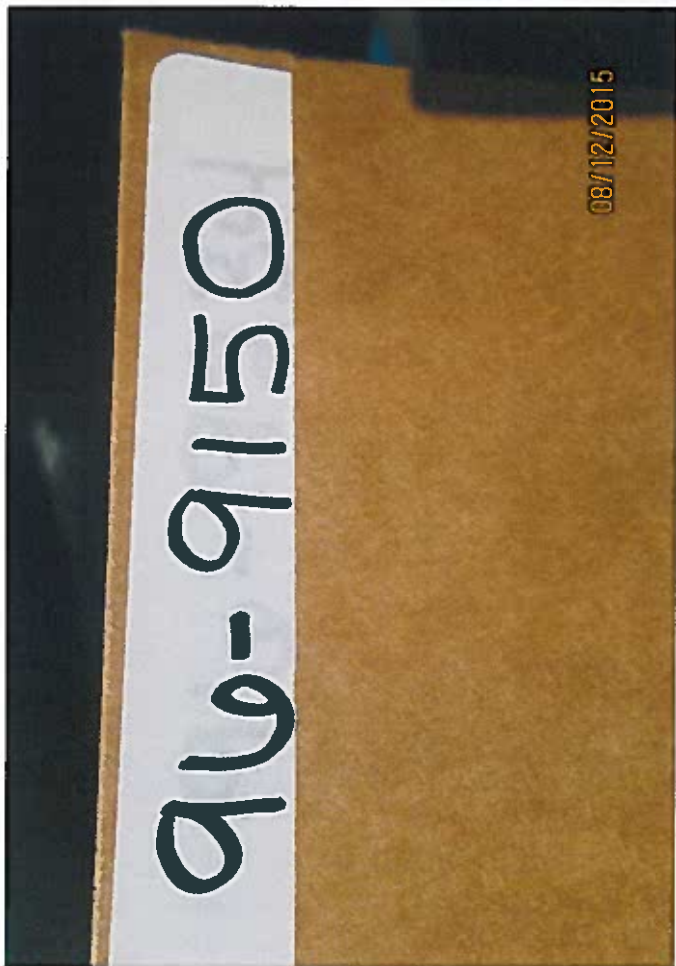
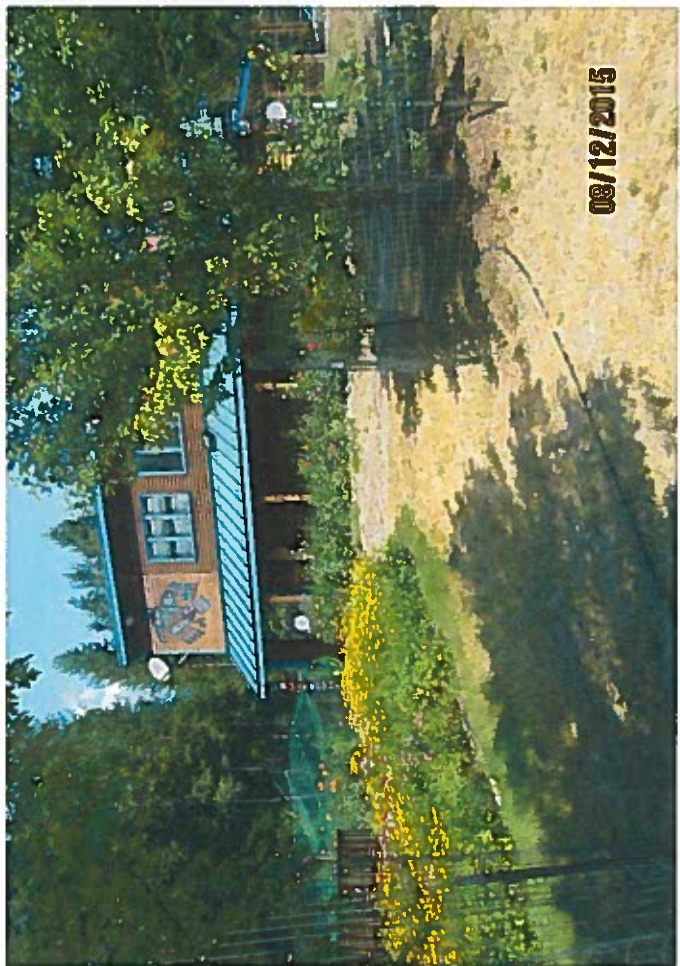
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections

0 0.0475 0.095 0.19 Miles



WATER RIGHTS 96-9350 & 96-9150 SPECS FOR WATER PUMP

Engine	GX160
Displacement	163cc
Bore and stroke	2.7" x 1.8"
Compression Ratio	9.0:1
Oil Alert	N/A
Pump type	High Pressure, Centrifugal, Self-priming
Volute	Rigid Mounted Cast Iron
Impeller	Cast Iron
Mechanical Seal (Pump case / impeller)	Carbon/Ceramic
Priming time	80 sec. at 16.4 ft.
Drive system	Direct
Discharge capacity	134 gals./min.
Suction port diameter	2" NPT
Discharge port diameter	2" NPT
Total head lift	141 ft.
Suction head lift	26 ft.
Maximum pressure	61 psi
Solids handling	N/A
Dimensions (LxWxH)	16.7" x 14.8" x 15.9"
Dry weight	52 lb.
Fuel Capacity	0.82 gal
Run Time @ Max Discharge	1.5 hr
Strainer Part #	78325-YB7-702
Residential Warranty	3 years
Commercial Warranty	3 years



96-9150



96-9150



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