

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 77-14238

Exam Date: 10/20/2011

1. Current Owner: GREENHURST FARMS INC
5705 E GREENHURST
NAMP ID 83686
(208)466-1742
2. Accompanied by: Terry and Kathy Henrickson (owners)
Phone No: (208) 466-1742; cell (208)713-5854
Address: same as above
Relationship to Permit Holder: self
Email: KreativeKathy@gmail.com

3. SOURCE

SPRING

TRIBUTARY

SINKS

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 77-14235 Domestic use
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM1. LOCATION OF POINT(S) OF DIVERSION:

SPRING	NW1/4SW1/4SE1/4	Sec. 26,	Twp 24N,	Rge 03E, B.M.	IDAHO County
SPRING	NW1/4SW1/4SE1/4	Sec. 26,	Twp 24N,	Rge 03E, B.M.	IDAHO County
SPRING	NW1/4SW1/4SE1/4	Sec. 26,	Twp 24N,	Rge 03E, B.M.	IDAHO County

Method of Determination: Garmin GPS map 76S, and ArcMap 2009 and 2011.

2.

PLACE OF USE: FIRE PROTECTION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
24N	03E	25										X	X						

Method of Determination: Garmin GPS map 76S, and ArcMap 2009 and 2011.

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>
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A0016950 Spring #1

A0016951 Spring #2

A0016952 Spring #3

Each of the three springs developed (buried rock to collect the water) and are on a complete gravity flow system, with 1 1/4 inch buried ABS running down the mountain to the 12,000 gallon storage tank (more details in the narrative, below).

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

D. FLOW MEASUREMENTS**1. Measurements:****1 1/4 inch pipe conversion:**

5 X 3.1416 X (0.052083333)squared = 0.04 cfs

Nozzle Conversion, from U of I fact sheet:

1/8 inch nozzle at 40 psi = 2.96 gpm, according to the chart

6 (1/8 inch) nozzles run at 1X, at 40 psi = (6 X 2.96 gpm)/448.8 = 0.04 cfs

5-gallon bucket measurement, off the storage tank overflow (due to the time of the year when the field exam was conducted, the distribution system to the nozzles had already been blown to prevent freezing; this flow may be actually a "low measuring" since the spring produce more in the spring/summer time).
(5 gallon X 60 sec)/30 sec = 10 gpm X 0.00223 = 0.02 cfs

RECOMMENDATION:

Allow 0.02 cfs as permitted.

E. VOLUME CALCULATIONS

1. Volume Calculations for Fire Protection: None required.

F. NARRATIVE/REMARKS/COMMENTS

The system consists of 3 separate developed springs (buried rock), each piped individually with 1 1/4 inch ABS buried pipe about 7000 ft to a 12,000 gallon storage tank, with a 1 1/4 inch overflow that discharges to 1 1/4 inch buried ABS pipe that runs down the hill to a 150 ft X 75 ft X 8 ft pond (which originally had an application filed on it #77-7375, but it was withdrawn and the fee was applied to water right 77-7376 Domestic use for the lower individual cabin). Mr. Henrickson (current owner of Greenhurst Farms) was informed that there was no water right on the pond. He stated that wildlife, and the forest service basically used the pond in the event there was a fire to lift it out with the helicopters. POD #1 spring consists of buried rock used as a collection area that discharges to 1 1/4 inch buried ABS pipe that runs down the mountain to the 12,000 gallon storage tank. POD #2 spring consists of buried rock used as a collection area with a 3 inch discharge pipe into a 12 inch steel casing that is semi buried that acts as another collection area, with a 2 inch overflow that reduces to 1 1/4 inch buried ABS that runs down the mountain to the 12,000 gallon storage tank. POD #3 spring collects in a small pond area created by using a tarp to dam up the flow. It has a 1 1/4 inch overflow that discharges to 1 1/4 inch buried ABS pipe that runs down the mountain to the 12,000 gallon storage tank. At the 12,000 gallon storage, it discharges to a buried and above the ground piped system that is located throughout the fenced 3 acres surrounding the 2 cabins. There are 1/8 inch rainbirds located along the fence-line, throughout the fenced acres, and risers with hoses around the cabins. Six (1/8 inch) rainbirds, and the hoses (with misc nozzles) surrounding the 2 cabins can run at 1 time at 40 psi. At the time of the field exam, no physical measurement could be taken from the sprinkler system, since Mr. Henrickson had already blown out the system to prevent freezing, but a measurement was taken from the overflow from the 12000 storage tank that goes into the pond.

Directions: North on Hwy 95, before Riggins, turn right on the bridge that crosses the river, and go about 20+ miles till you get to French Creek Road, then turn right. Ranch entrance is on the right side (iron gate).

Have conditions of permit approval been met? ☒ Yes ☐ No

G. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
FIRE PROTECTION	01/01 to 12/31	0.020 CFS
<u>Totals:</u>		0.020 CFS

2. Recommended Amendments

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

☒ _X_ Change P.U. as reflected above ☐ ___ Add P.U. as reflected above ☐ ___ Other

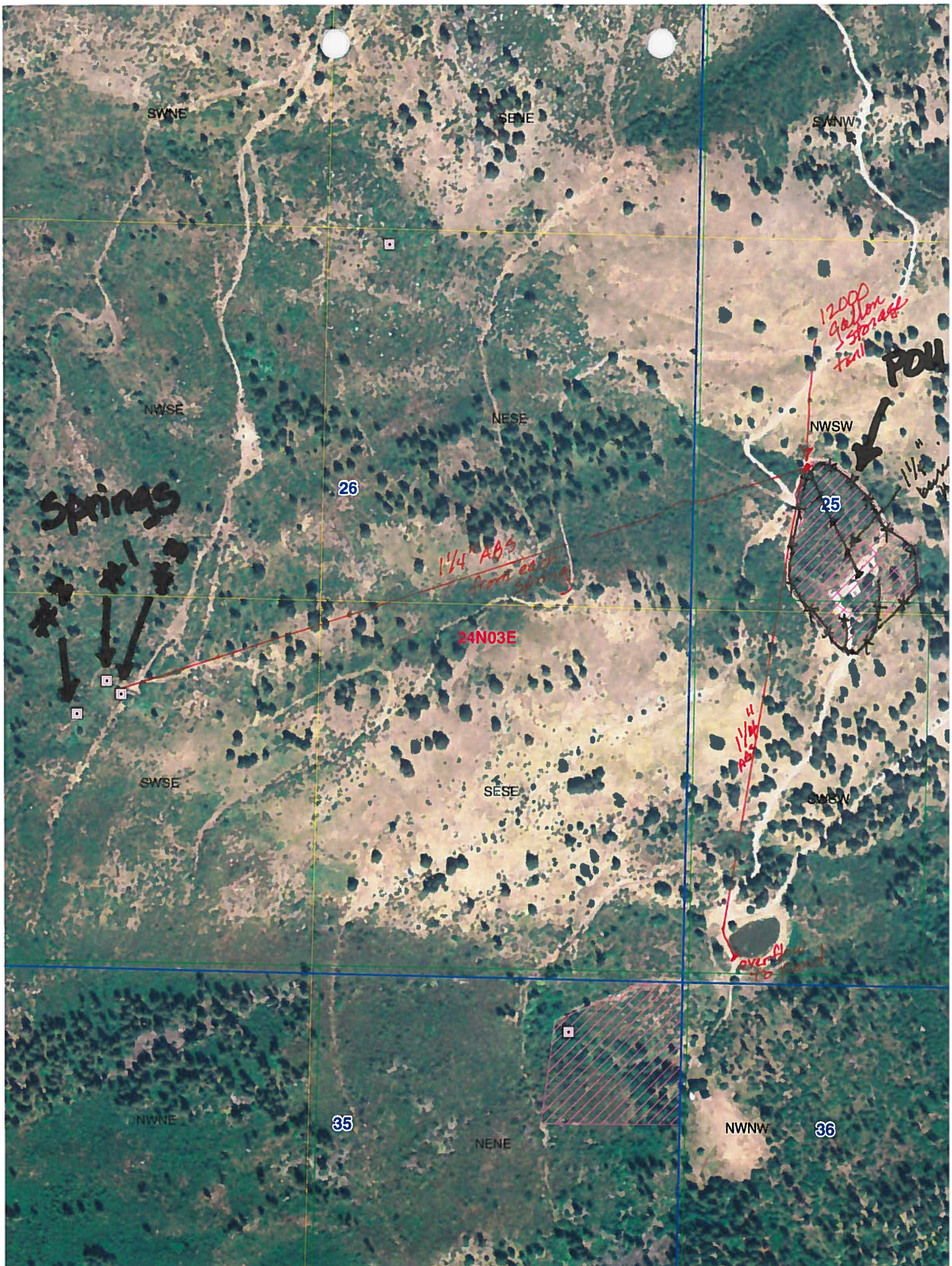
H. AUTHENTICATION

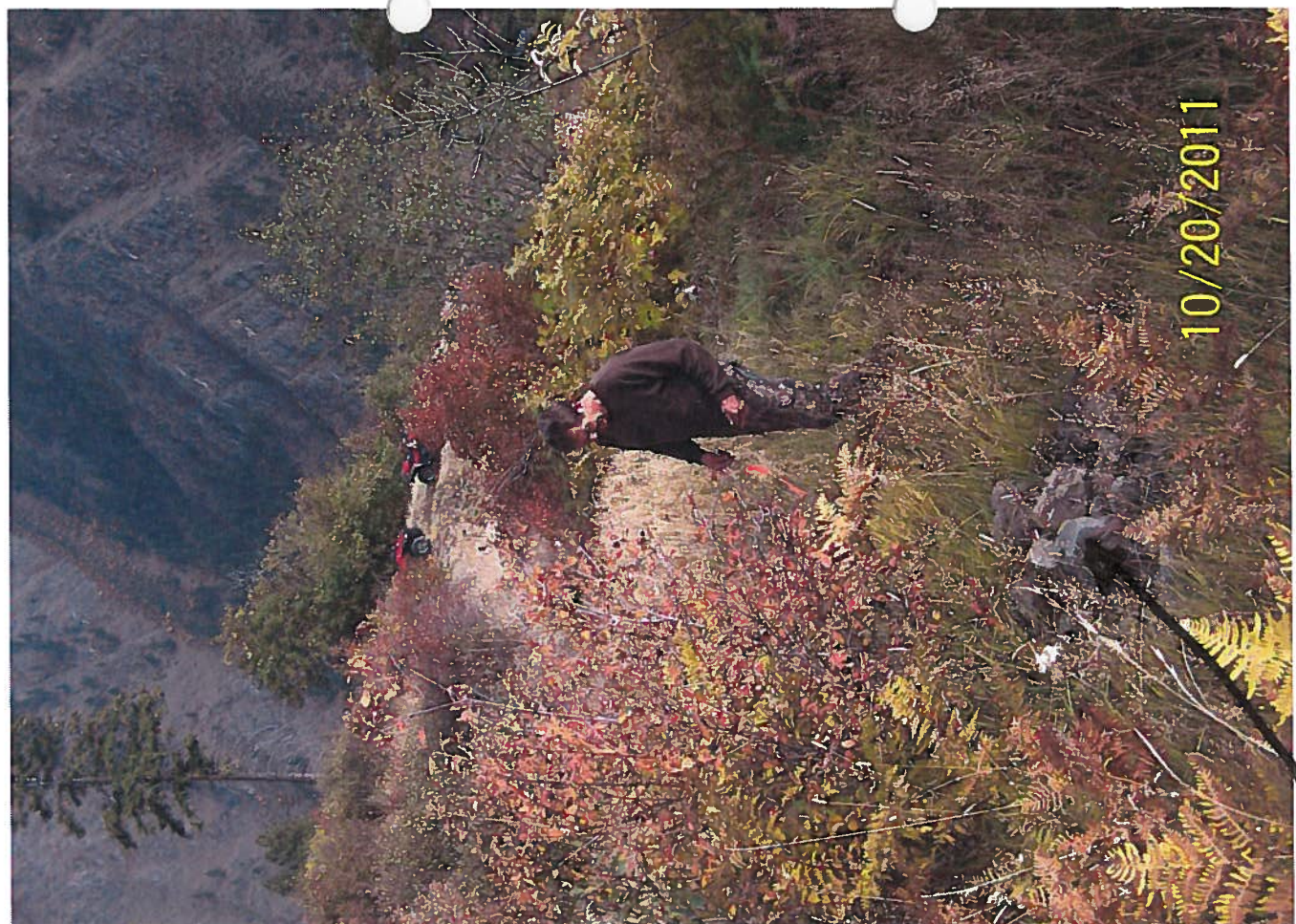
Field Examiner's Name

Sandy Hemerway

Date

12/8/2011





10/20/2011

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