

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 77-7382

Exam Date: 9/30/2011

1. Current Owner: BARBARA G PYLE
13686 FARM TO MARKET RD
MC CALL ID 83638
(208)634-2491
2. Accompanied by: Barbara and John Pyle
Phone No: (208 634-2491, cell (208) 630-3835
Address: 13686 Farm to Market Rd. McCall, ID 83638
Relationship to Permit Holder: self

Directions to POU: north Hwy 95, go across the bridge just south of Riggins, drive about 45 minutes to the put-in, take the boat 1 hr. up river, park the boat at Mackie Bar and hike 1 mile over the hill, then take a cable-car across the river to the POU. There is a landing strip there, if an airplane is available.

- | | |
|--|---|
| 3. <u>SOURCE</u>
SOUTH FORK SALMON RIVER | <u>TRIBUTARY</u>
SALMON RIVER |
|--|---|

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 77-7380 (domestic internal use only from a shared spring: Cherry Spring, which is a low production spring, and becoming more nonreliable). The reason for getting water right 77-7382 was to insure that they had water, not only for internal use, but also for fire protection and watering their trees/lawn surrounding the cabin.
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

SOUTH FORK SALMON RIVER NE1/4NE1/4 Sec. 6, Twp 23N, Rge 08E, B.M. IDAHO County

Method of Determination: Garmin GPS map 76S

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>	
23N	08E	6	X																

Method of Determination: Arc Map 2009; Per Craig Saxton, if lines were drawn directly down on the QQ for Homestead No.701, it would be the NENE and not the NWNE. For this reason no amendment is required.

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.

Well or Diversion

ID No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
A0016939	Franklin Electric submersible	1 HP	B12514	model # 2345139203	1 1/4 inch discharge

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

D. FLOW MEASUREMENTS

1. Measurements:

5-Gallon Measurement (taken at the riser down from the storage tank)

(5 gallon X 60 sec)/8 sec = 37.5 gpm X 0.00223 cfs/1gpm = 0.08 cfs

1 1/4 inch pipe conversion:

Q = 5 X 3.1416 X r-squared

Q = 5 X 3.1416 X 0.002712674 = 0.04 cfs

Theoretical (lift calculated from Topo map, from pump to storage tank):

(8.8 X 1 Hp X 0.70 eff)/[70 ft lift + (20 psi X 2.31)] = 6.16/116.2 = 0.05 cfs

RECOMMEND: 0.04 cfs Domestic/1 internal and external (fruit trees, pine trees, and grassed area immediately surrounding the cabin), with combined internal limit of 0.02 cfs with 77-7382 & 77-7380.**E. VOLUME CALCULATIONS****RECOMMEND IDWR Standard for D/1 internal/external use: 1.2 af****F. NARRATIVE/REMARKS/COMMENTS**

Franklin Electric 1 Hp submersible screened pump B12514, model 2345139203, with 1 1/4 inch discharge to 1 1/4 inch buried PVC to a 1400 gallon storage tank up on the hill behind the house, with a 1 1/4 inch discharge and buried line to 2 frost free hydrants, and splits and goes to the pump house located at the back of the house where there is a 25 gallon pressure tank, and 2-Keystone model CG10 (sand and carbon filters) a filtration system for the internal potable water. The 2 frost free hydrants are also a means for draining the tank, and for fire protection. A hose is attached to the hydrant, with misc nozzles for watering the surrounding pine trees, fruit trees, and lawn surrounding the cabin. ID Tag A0016939 is located in the pump house. POU location (see #2 "POU Method of Determination" above).

Have conditions of permit approval been met? ☒ Yes ☐ No The submersible pump is screened at the intake.

G. RECOMMENDATIONS**1. Recommended Amounts**

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
DOMESTIC	01/01 to 12/31	0.040 CFS	1.20 AF
Totals:		0.040 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

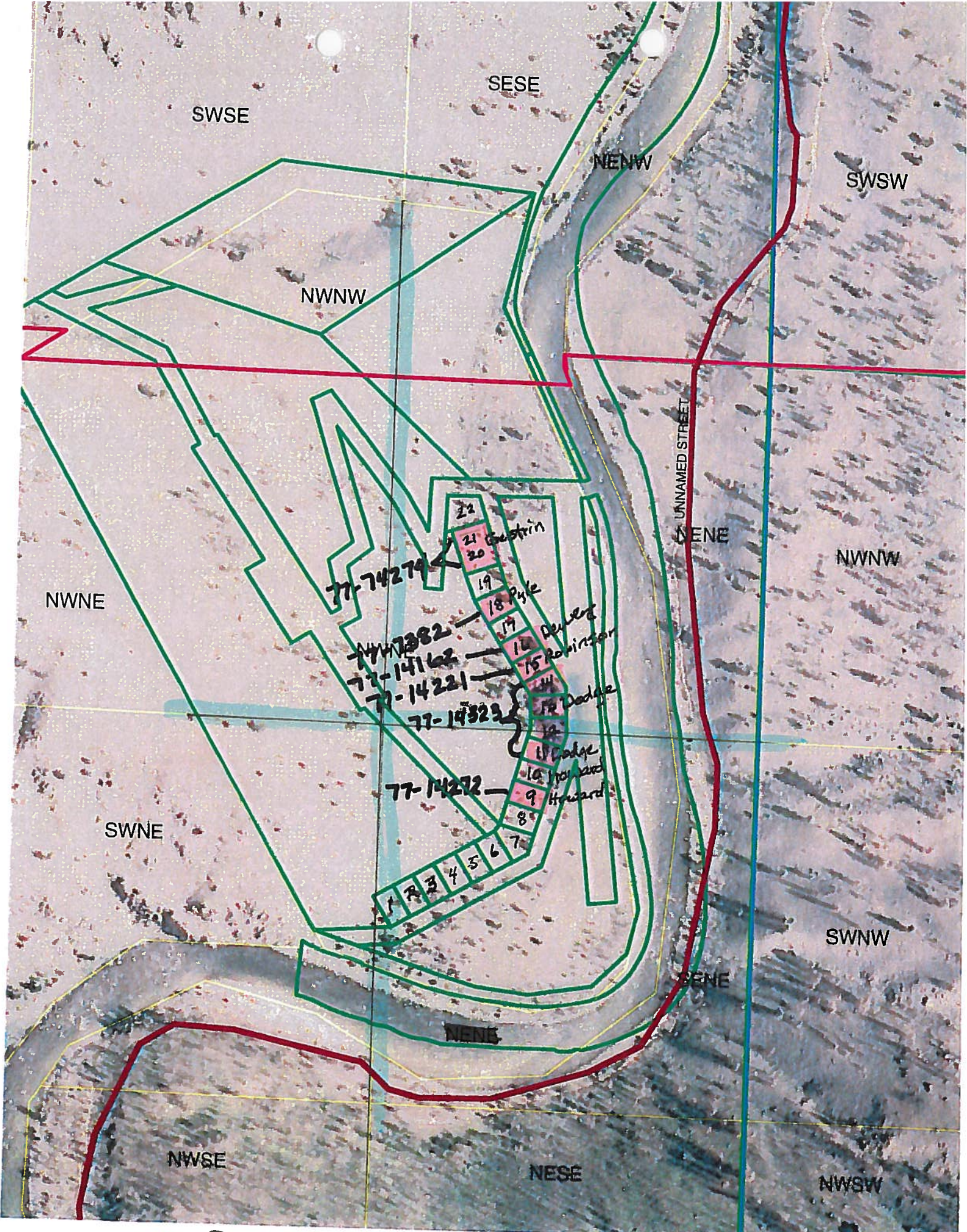
I. AUTHENTICATION

Field Examiner's Name



Date

10/14/2011



77-7382 Pyle NENE 9/30/2011 S. Hemmerman

NWNW 24N08E

NENW

NENE

South Fork Salmon River

NENE

- 77-7362 +
77-7359

- Pyle

POD
77-7382
1HP
submersible
Gould
B12514
model #
2345139203

POU

L18

1 1/4"

23N08E

1400 gallon
Pyle
GPS'd

1 1/4" to tank

first free
hydrostatic

1 1/4" PVA

77-7392 D.10.

black

silence



POD:

Gouls
w/
Franklin
Electric
1Hp
submersible
model
23451392

09/30/2011



Source
South
Fork
Salmon
River

09/30/2011
11:07:30

77-7382 Pyle

S. Hemmerman



WARNING

AVOID SERIOUS OR FATAL SHOCK BY
DISCONNECTING POWER BEFORE WORKING
ON OR AROUND THIS WATER SYSTEM.
HAVE WORK PERFORMED BY TECHNICALLY
QUALIFIED PERSONNEL COMPLYING WITH
ALL GROUNDING AND CODE REQUIREMENTS.

THIS LABEL IDENTIFIES THE FRANKLIN
SUBMERSIBLE MOTOR USED IN THE WELL.
PLEASE DISPLAY PROMINENTLY. A SUGGESTED
LOCATION IS THE DISCONNECT BOX.

MODEL 2345139203 HP 1 KW 0.75 PH 3
VOLTS 230 RPM 3450 HZ 60
AMP 3.9 S.F. MAX. AMP 4.7
SF 1.4 KVA CODE M CONT. DUTY
CSA CERTIFIED



Franklin Electric
www.franklin-electric.com

09/30/2011

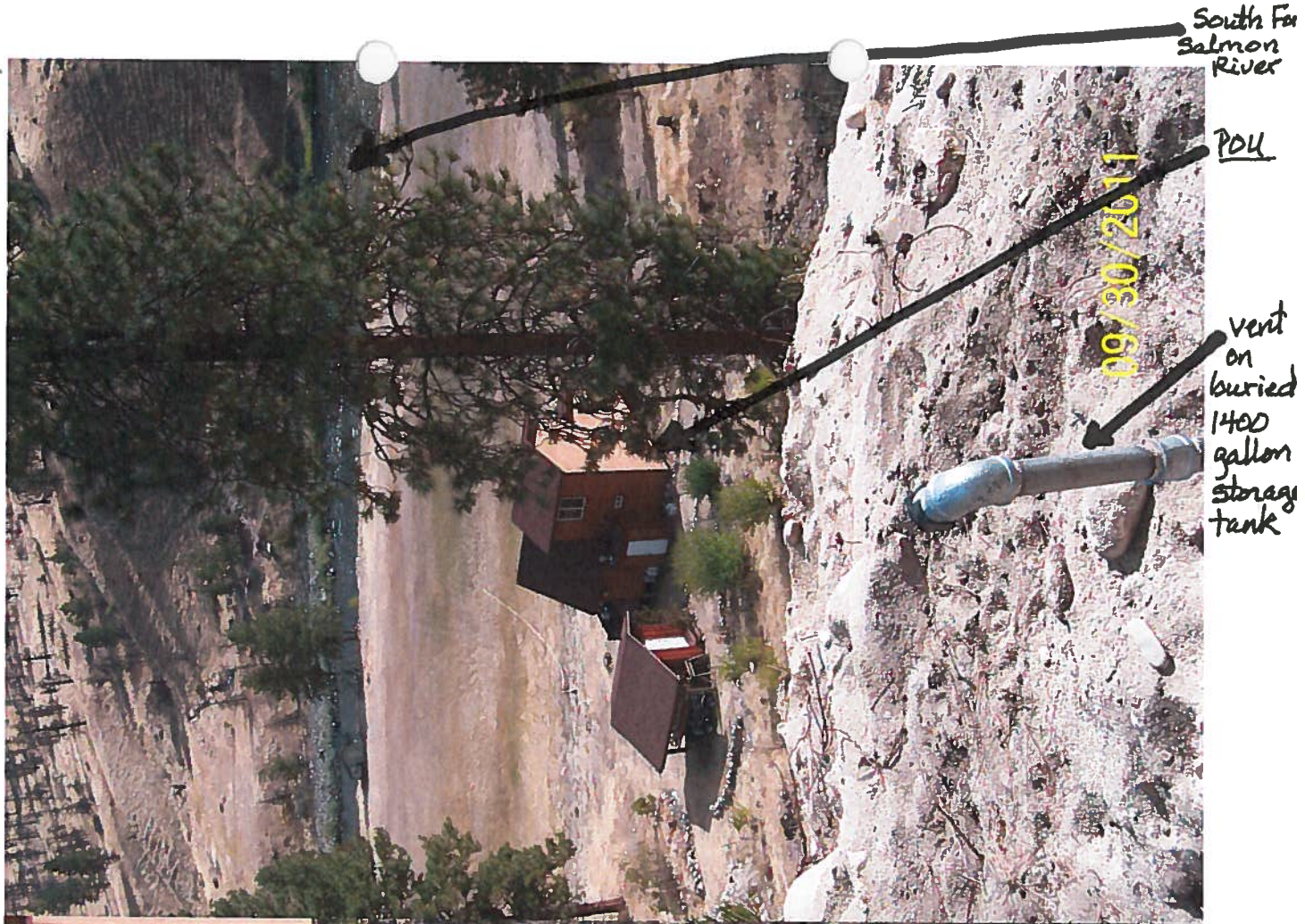


Pou
cabin,
fruit
trees,
pine
trees,
grass
surround
cabin

09/30/2011

77-7382 Pyle

S. Hemerway



77-7382 Pyle

S. Hernerway



The controls, 25-gallon pressure tank + 2- Keystone model CG10 sand + carbon filters for potable water, are located in a pump house attached to the back of the cabin.

ID Tag A0016939, is attached to the wall inside the pump house.

77-7382 Pyle

S. Hemenway