

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9302

Exam Date: 6/30/2008

1. Current Owner: WALTER E SULLIVAN JR
803 WHITETAIL DR
SANDPOINT ID 83864
(208)255-6836

2. Accompanied by: SAME

Phone No: SAME

Address: SAME

Relationship to Permit Holder: OWNER

3. SOURCE

UNNAMED STREAM

TRIBUTARY

NORTH FORK GROUSE CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 96-8558
2. Other water rights with the same point of diversion: NONE

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

UNNAMED STREAM NE1/4SW1/4 Sec 17, Twp 59N, Rge 01E, B.M. BONNER County

Method of Determination: MAP AND GPS W 116° 21' 53.8 N 48° 27' 55.7

2.

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
59N 01E 17	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	1.5

Total Acres: 1.5

PLACE OF USE: POWER

Twp Rge Sec	NE				NW				SW				SE				Totals
59N 01E 17	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	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 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 Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

2. Measurements:

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:
FLOW MEETER 55 GPM

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5\text{ac} \times 3\text{AF} = 4.5\text{AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.045 \text{ cfs} \times 214 \times 1.9835 = 19.1 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 4.5 \text{ AF}$$

2. Volume Calculations for Other Uses: POWER = 0.09 cfs X 365 X 1.9835 = 65.1 AF

IRRIGATION = 4.5 AF

TOTAL VOLUME = 69.6 AF

G. NARRATIVE/REMARKS/COMMENTS: This water system is gravity flow to the place of use.Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS**

1. Recommended Amounts

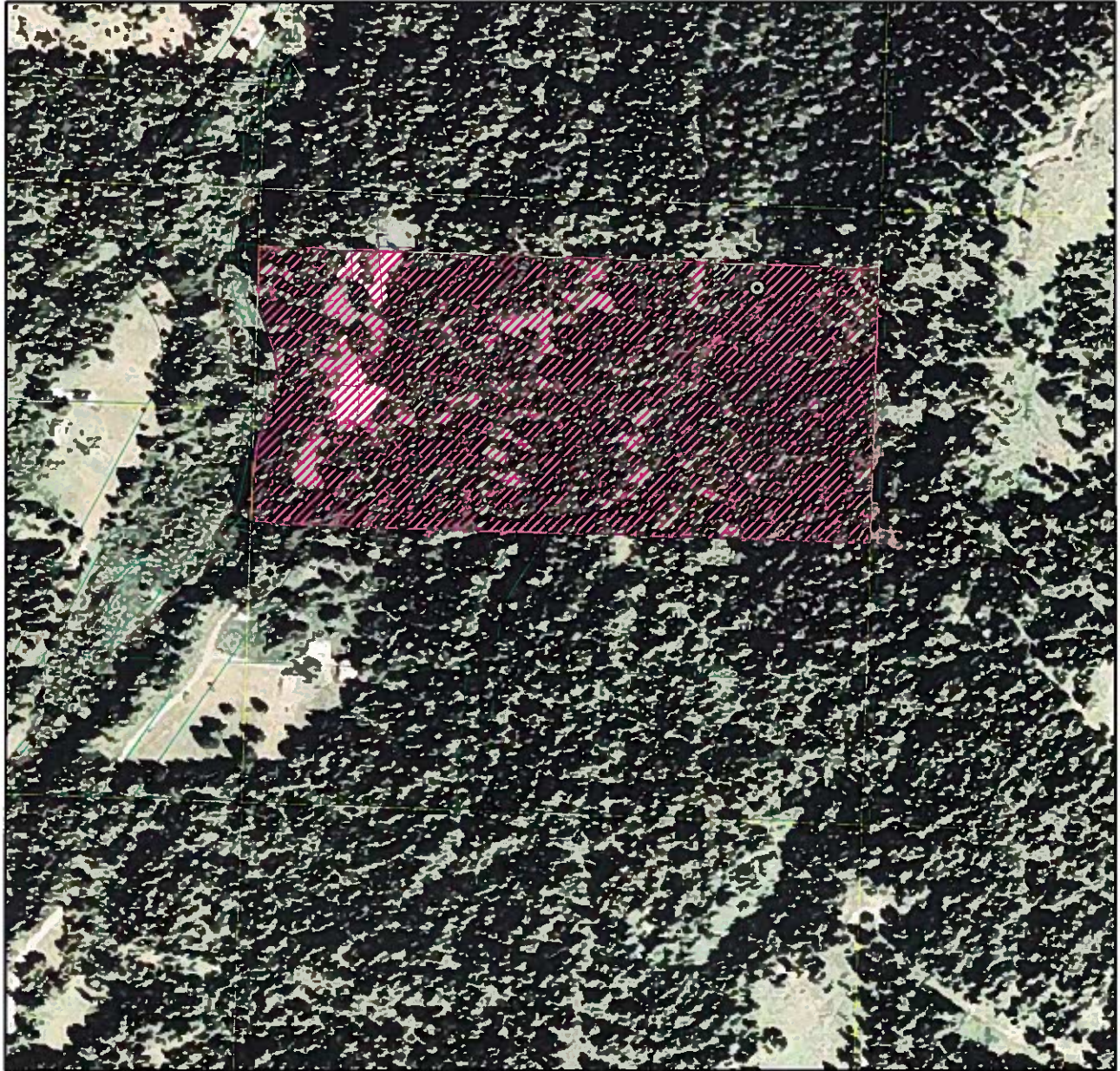
<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
IRRIGATION	04/01 to 10/31	0.045 CFS	4.50 AF
POWER	01/01 to 12/31	0.090 CFS	65.1 AF
<u>Totals:</u>		0.120 CFS	69.6 AF

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 Eric D. Davis Date 12-31-2008
 Reviewer [Signature] Date 12/31/8

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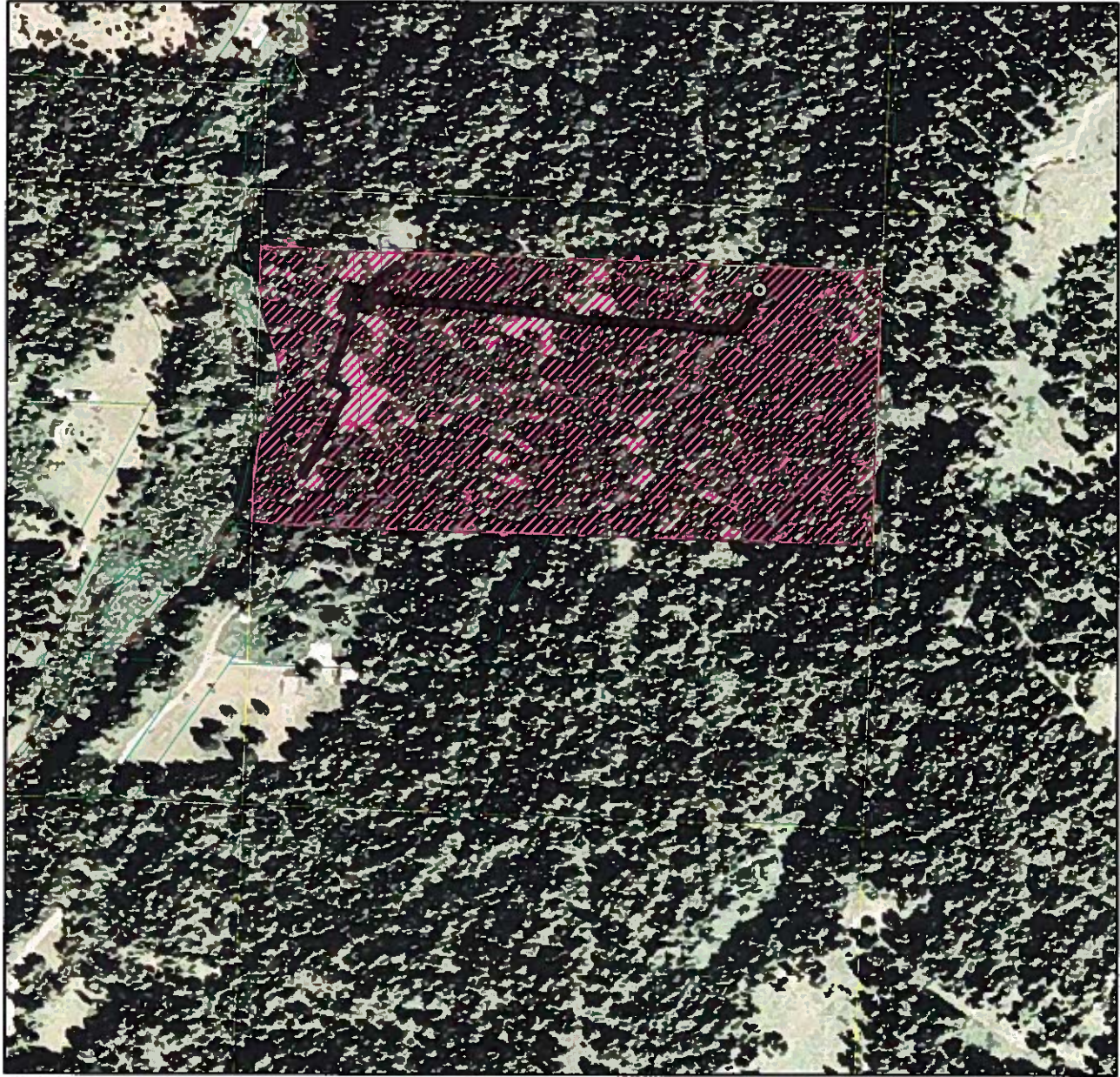
Legend

- ⊙ Right POD
-  Right POU

0 170 340 680 1,020 1,360 Feet



SYSTEM



Legend

- ⊙ Right POD
-  Right POU

0 170 340 680 1,020 1,360 Feet





DAM IN STREAM.JPG



FLOW MEETER AT 55
GPM.JPG



FLOW METER AND SHUT
OFF VALVE.JPG



HYDROPOWER
PLANT.JPG



PIPE SIZE.JPG



PLACE OF USE 1.JPG



PLACE OF USE 2.JPG



PLACE OF USE 3.JPG



POINT OF DIVERSION.JPG

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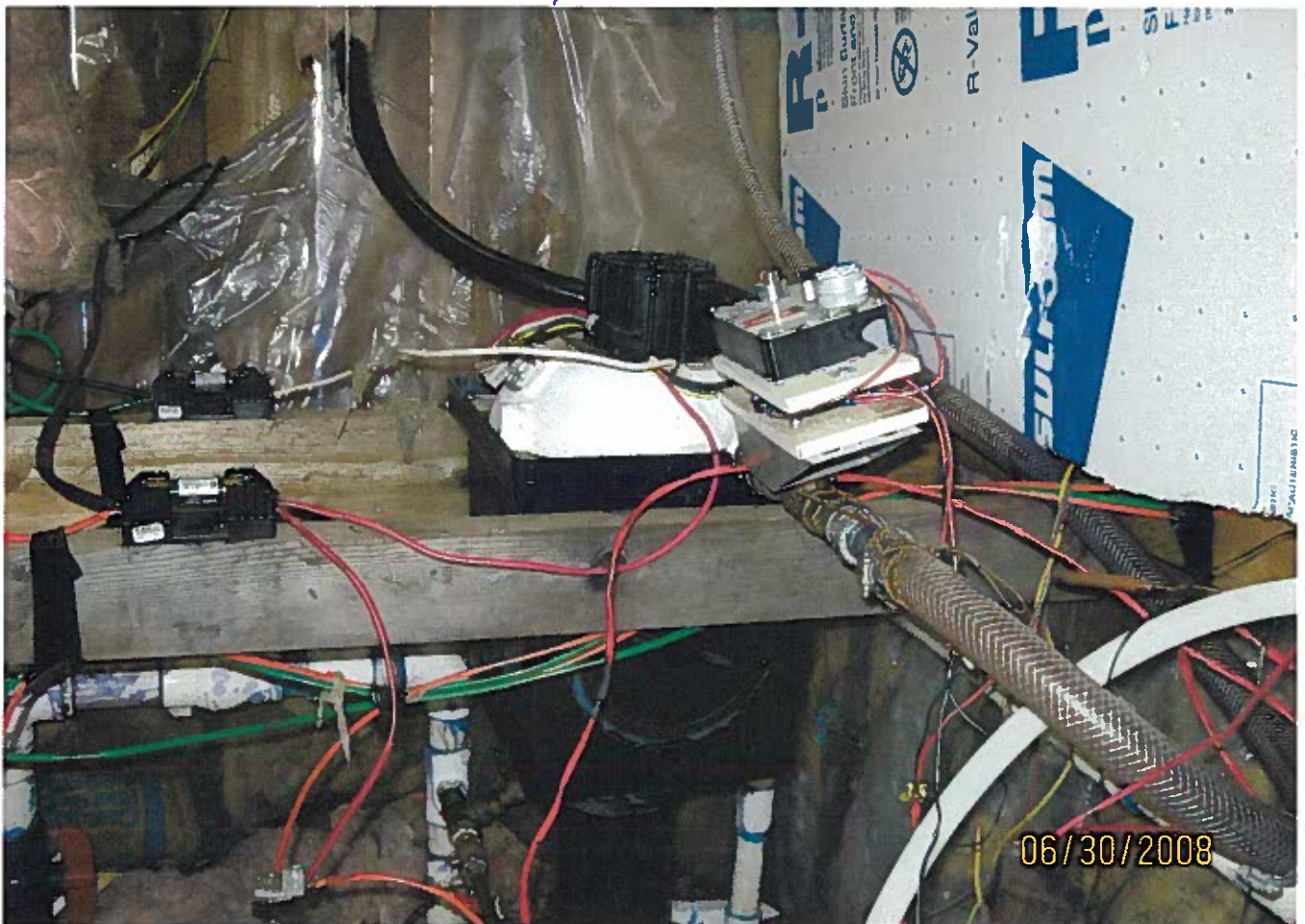


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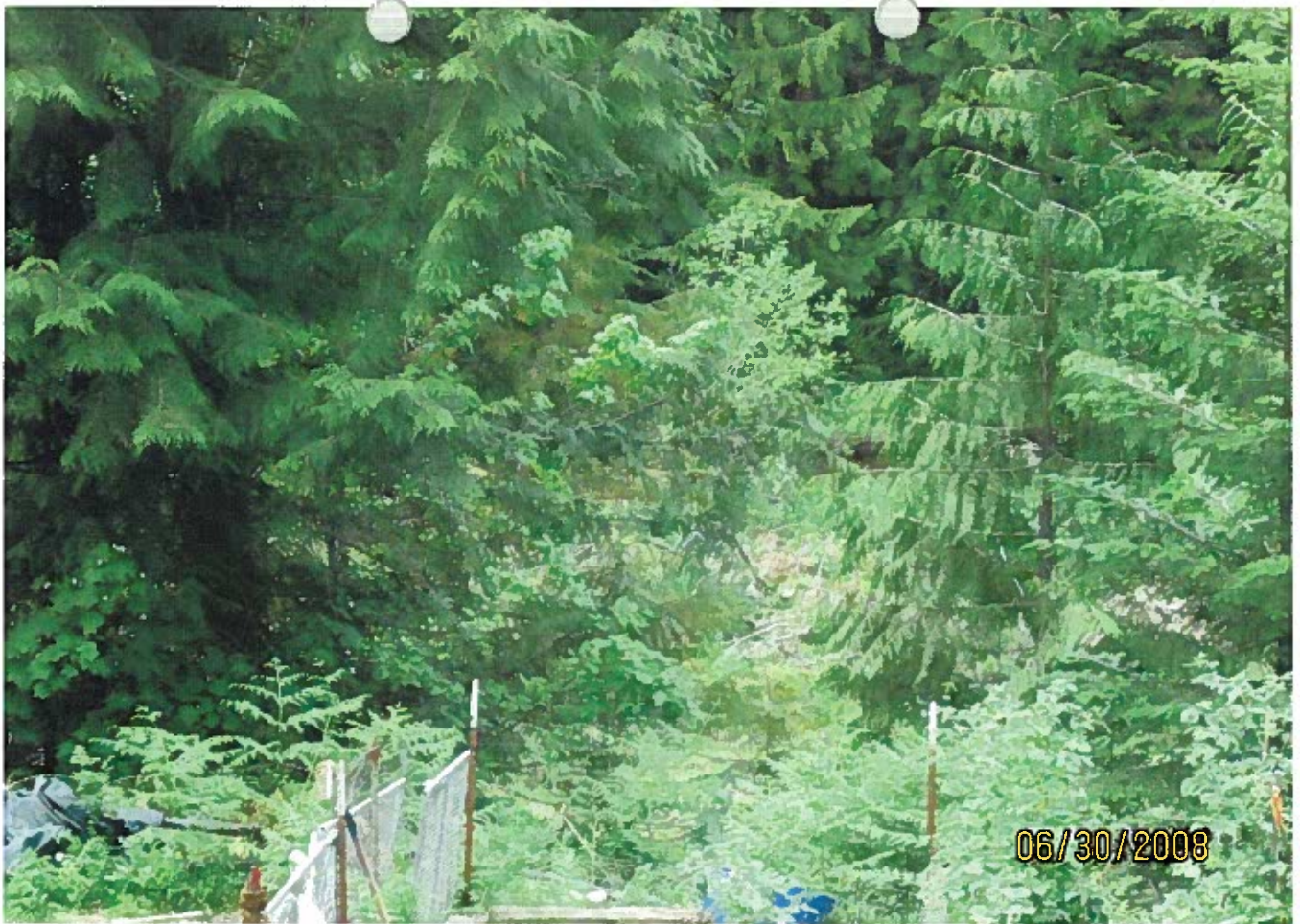
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