

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9047

Exam Date: 8/13/2008

1. Current Owner: GERALD ROYCE ERLANDSON
10805 W CRYSTAL BAY RD
POST FALLS ID 83854-4744
(208)773-7373

2. Accompanied by: OWNER

Phone No: SAME

Address: SAME

Relationship to Permit Holder: OWNER

3. SOURCE

SPOKANE RIVER

TRIBUTARY

COLUMBIA RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use:
2. Other water rights with the same point of diversion:

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

SPOKANE RIVER L5 NW1/4NW1/4 Sec. 11, Twp 50N, Rge 05W, B.M. KOOTENAI County

Method of Determination: MAP

2.

PLACE OF USE: IRRIGATION

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>	
50N 05W 11					.3	.3											.6
					L 5	L 4											

Total Acres: 0.6

AESTHETIC same as IRRIGATION

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>
	MQ	1/2	187480	MQ	5T-2005T

*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:

Pump data tag on this MQ submersible pump. The rating on this pump is 1/2 hp 68gpm at the head of 35 feet. The max head of this system is 35 feet to irrigation. 68 gpm is 0.15cfs.

Water Falls for the aesthetic

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.6\text{ac} \times 3 = 1.5\text{AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.03 \times 246 \text{ days} \times 1.9835 = 14.6\text{AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.5\text{AFA}$$

2. Volume Calculations for Other Uses: 1.5AF

G. NARRATIVE/REMARKS/COMMENTS

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	03/15 to 11/15	0.030 CFS	1.50 AF
AESTHETIC	01/01 to 12/31	0.150 CFS	108.00 AF
<u>Totals:</u>		0.150 CFS	109.50 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 Dennis Date 8-21-08

Reviewer [Signature] Date 8/25/8



IRR.JPG



IRR_POU.JPG

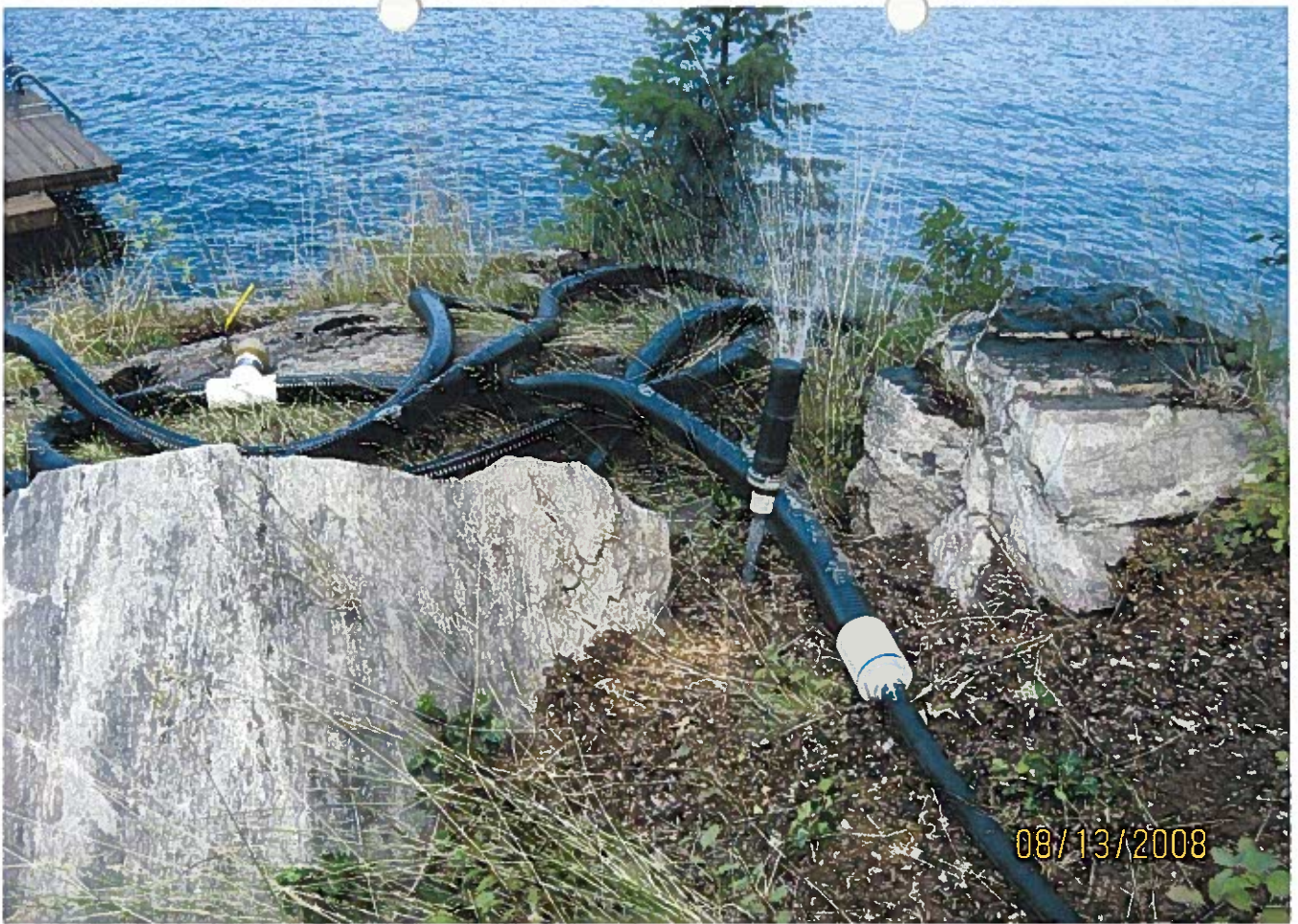


PUMP.JPG



AESTHETIC.JPG

95-9047



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WATER
FALL



95-9047



Legend



QQ



Right POD

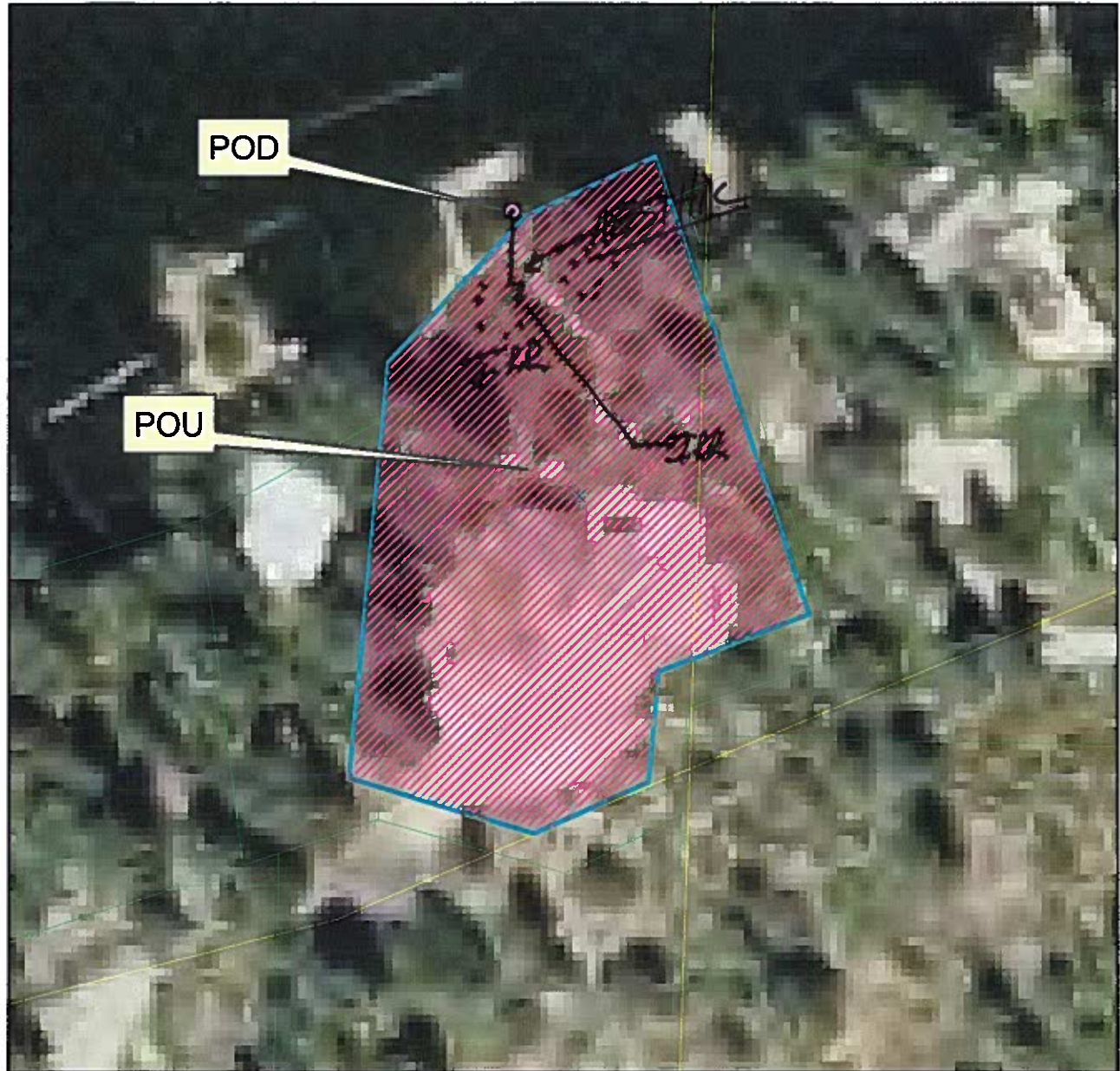


Right POU

0 5 10 20 30 40 Meters



95-9047 SYSTEM



Legend



QQ



Right POD



Right POU

0 5 10 20 30 40 Meters

