

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9307

Exam Date: 4/24/2008

1. Current Owner: THOMAS D HAMILTON
6314 E MAPLEWOOD AVE
POST FALLS ID 83854
(509)924-7811

2. Accompanied by: **OWNER**Phone No: **SAME**Address: **SAME**

Relationship to Permit Holder:

3. **SOURCE**

SPOKANE RIVER

TRIBUTARY

COLUMBIA RIVER

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:**

SPOKANE RIVER L2 NE1/4NW1/4 Sec. 8, Twp 50N, Rge 04W, B.M. KOOTENAI County

Method of Determination: **MAP**

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
50N	04W	8					6.0												6.0
							L 2												

Total Acres: 6

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</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>
<u> </u>	<u>Grundfos</u>	<u>10</u>	<u>A9113-1749</u>	<u>Grundfos</u>	<u>60 gpm</u>
<u> </u>	<u>"</u>	<u>10</u>	<u>"</u>	<u>"</u>	<u>60 gpm</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

*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>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>

2. Measurements: Use pump data tags.

E. FLOW CALCULATIONS

 Additional Computation Sheets Attached

Measured Method:

The pump tags for each pump is 60GPM = 0.13CFS.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6ac \times 3AF = 18AF$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 12cfs \times 246 \text{ days} \times 1.9835 = 58.5AF$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 18AF$$

2. Volume Calculations for Other Uses:

$$6ac \text{ IRR} \times 3AF = 18AF$$

G. NARRATIVE/REMARKS/COMMENTS This water right has two pumps and one will back up the other one. Each pump is a 10 hp Grundfos. The pump tags for each pump is 60GPM = 0.13CFS.

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	0.140 CFS	

Totals: 0.140 CFS

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 [Signature] Date 4-28-08

Reviewer [Signature] Date 5/16/08

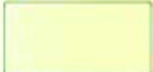
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Legend

⊙ Right POD

 Right POU

 Taxlots

 QQ

0 85 170 340 510 680 Feet





PUMPS.JPG



INTAKE.JPG



POU 1 .JPG



POU 2.JPG



POU 3.JPG



POU .JPG



PUMP TAG.JPG



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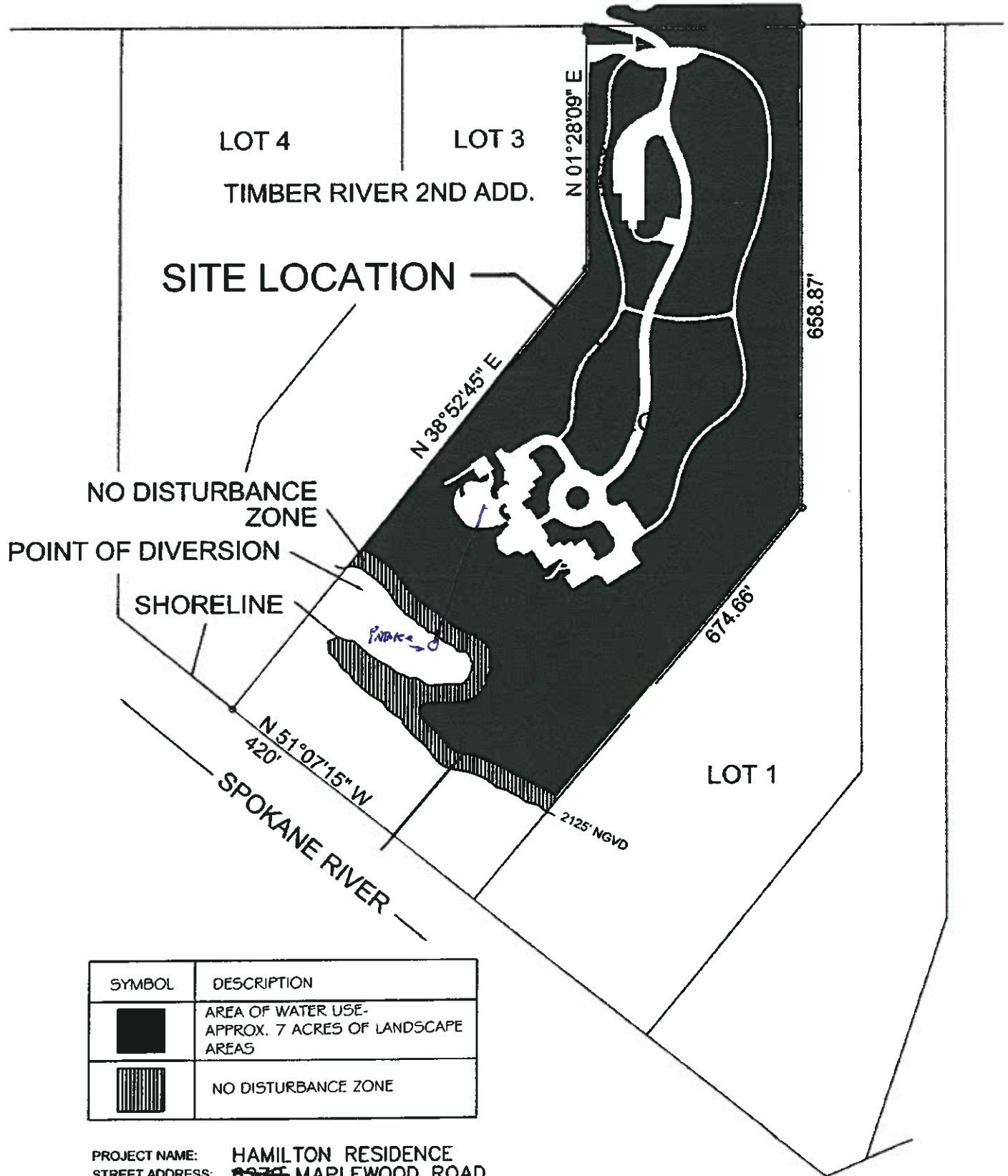




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MAPLEWOOD



SYMBOL	DESCRIPTION
	AREA OF WATER USE- APPROX. 7 ACRES OF LANDSCAPE AREAS
	NO DISTURBANCE ZONE

PROJECT NAME: HAMILTON RESIDENCE
 STREET ADDRESS: ~~6276~~ 6318 MAPLEWOOD ROAD
 POST FALLS, IDAHO

LEGAL DESCRIPTION: T.50N, R.04W, SECTION 08,
 KOOTENAI COUNTY, IDAHO



SITE PLAN

SCALE: 1" = 180'-0"

Delivery system -