

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-8541

Exam Date: 6/26/2008

1. Current Owner: SCHWEITZER BASIN WATER CO INC
PO BOX 772
SAGLE ID 83860-0772
(208)263-7117
2. Accompanied by: OWNERS
Phone No: SAME
Address: SAME
Relationship to Permit Holder: OWNERS

3. SOURCE

SPRINGS

TRIBUTARY

SCHWEITZER CREEK

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 96-8567, 96-7032, 96-8413
2. Other water rights with the same point of diversion: 96-8567

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

SPRINGS SW1/4SW1/4SE1/4 Sec. 20, Twp 58N, Rge 02W, B.M. BONNER County

Method of Determination: GPS W 116°37'17.4 N 48°21'28.6 AND MAP

2.

PLACE OF USE: MUNICIPAL

Twp Rge Sec	NE				NW				SW				SE				Totals
	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
58N 02W 20													X	X	X	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</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>SPRINGS</u>					<u>Gravity Flow</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>

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

$$\begin{aligned}
 Q &= CA \sqrt{2gh} \\
 &= (0.5)(0.2) \sqrt{(64.4)(4)} \\
 &= (0.5)(0.2)(16.05) \\
 &= 1.6 \text{ cfs}
 \end{aligned}$$

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

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

2. Volume Calculations for Other Uses:

RESTAURANT: 100 PATRON CAPACITY @ 12 GALLON PER DAY PER PATRON

$$100 \times 12 = 1200 \times 365 \text{ DAYS} / 325850 = 1.3 \text{ AF}$$

$$\text{DOMESTIC } 294 \times 0.6 \text{ AF} = 176.4 \text{ AF}$$

$$\text{TOTAL VOLUME} = 177.7 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS: Gravity flow from springs in holding tank to the first reservoir 76,000 gal. Flow to # 2 reservoir 35,000 gal is gravity form the first reservoir. The water system is from both reservoirs to supply the water needs. The over flow form the springs flows into the Schweitzer creek. The owners requested the beneficial use to be changed to Municipal.

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>
MUNICIPAL	01/01 to 12/31	0.200 CFS	177.70 AF
<u>Totals:</u>		0.200 CFS	177.70 AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

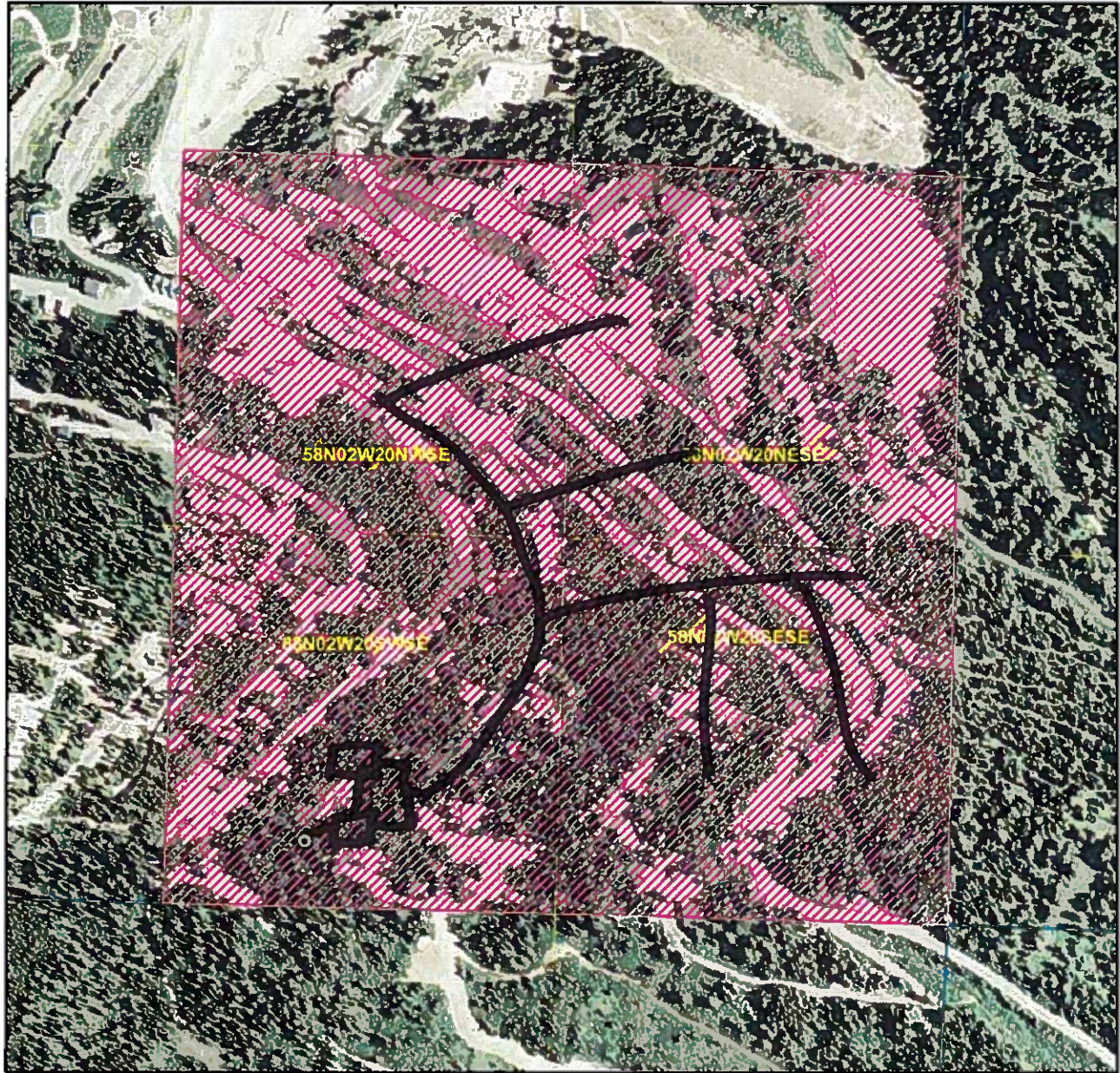
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ Other

I. AUTHENTICATION

Field Examiner's Name Eric R. [Signature] Date 01-08-2009

Reviewer Bob Hayman [Signature] Date 1/26/09

SYSTEM



Legend

- ⊙ Right POD
- ▨ Right POU





RESERVOIR.JPG



50, 000 gal .JPG



100,000 gal.JPG



POD SPRINGS.JPG



