

[illegible]

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>

*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:

$$A = \frac{\pi \left(\frac{4}{2}\right)^2}{4} = 0.09$$

$$Q = (0.5)(A)\sqrt{3gh}$$

$$= (0.5)(0.09)^{FT}\sqrt{(64.4)(4)}$$

$$= 0.87 cfs$$

E. FLOW CALCULATIONS

Measured Method:

____ Additional Computation Sheets Attached

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: The Volume of 1400 homes = 840 AF. The permit is for 0.5 cfs = 361 AF. The Total Volume is 361 AF for this water right.

G. NARRATIVE/REMARKS/COMMENTS: This water right source is a spring that is gravity flow to a reservoir. The water supply at the time of exam was more than the pipe could transport. The flow was derived by the pipe carrying capacity. *PWS ID 1090123*

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	0.500 CFS	361.00 AF
<u>Totals:</u>		0.500 CFS	361.00 AF

2. Recommended Amendments

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

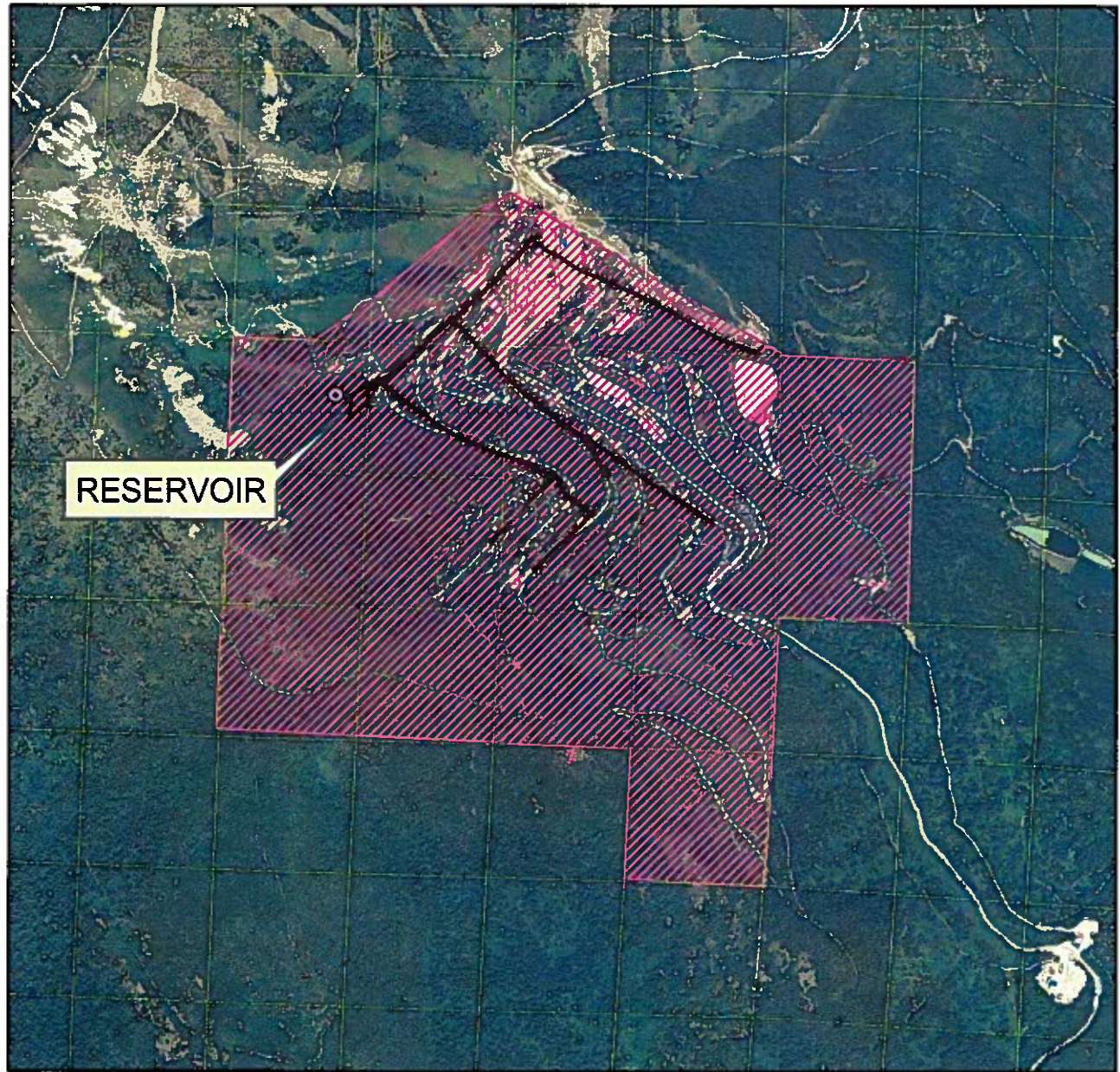
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☒ Other

I. AUTHENTICATION

Field Examiner's Name *Eric [Signature]* Date 12-01-2008

Reviewer *[Signature]* Date 12/31/8

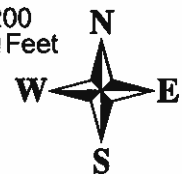
SYSTEM



Legend

- ⊙ Right POD
-  Right POU

0 650 1,300 2,600 3,900 5,200 Feet





POU.JPG



RESERVOIR.JPG



POU-.JPG



POD .JPG

96-8413



96-B413





96-8913

