

[illegible]

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				<u>Totals</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>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
54N	03W	1		3.5			3.5												7.0
				L 2			L 3												

Total Acres: 7

PLACE OF USE: WILDLIFE STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				<u>Totals</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>	<u>NE</u>	<u>NW</u>	<u>SW</u>	<u>SE</u>	
54N	03W	1								X									

DIVERSION TO STORAGE same as WILDLIFE STORAGEIRRIGATION STORAGE same as WILDLIFE STORAGEIRRIGATION FROM STORAGE same as WILDLIFE STORAGE

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>1</u>	<u>u/k</u>	<u>2</u>	<u>u/k</u>	<u>u/k</u>	<u>u/k</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:

PUMP EQUATIONS WATER RIGHT No. 96-9258						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	2	140.6462585	0.7	25	50
Q =	0.088 cfs 39.4 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 7ac \times 3AF = 21AF$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.08 cfs \times 246 days \times 1.9835 = 39AF$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 21AF$$

2. Volume Calculations for Other Uses:

$$\text{Irrigation} + (\text{Pond storage} + \text{stock storage}) = 24AF$$

$$\text{Pond} = \frac{65' \times 65' \times 3}{43560} = 0.295 AF = 0.3AF$$

G. NARRATIVE/REMARKS/COMMENTS: This water right is for a pond, 30 mix stock and irrigation of 7ac. The pump that is use at this location is also used at other locations for water system under different water rights.

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>
DIVERSION TO STORAGE	01/01 to 12/31	0.020 CFS	
STOCKWATER STORAGE	01/01 to 12/31		0.30 AF
RECREATION STORAGE	01/01 to 12/31		0.30 AF
IRRIGATION	04/01 to 10/31	0.080 CFS	21.00 AF
WILDLIFE STORAGE	01/01 to 12/31		0.30 AF
IRRIGATION STORAGE	01/01 to 12/31		0.30 AF
IRRIGATION FROM STORAGE	04/01 to 10/31		0.30 AF
<u>Totals:</u>		0.080 CFS	21.30 AF

2. Recommended Amendments

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

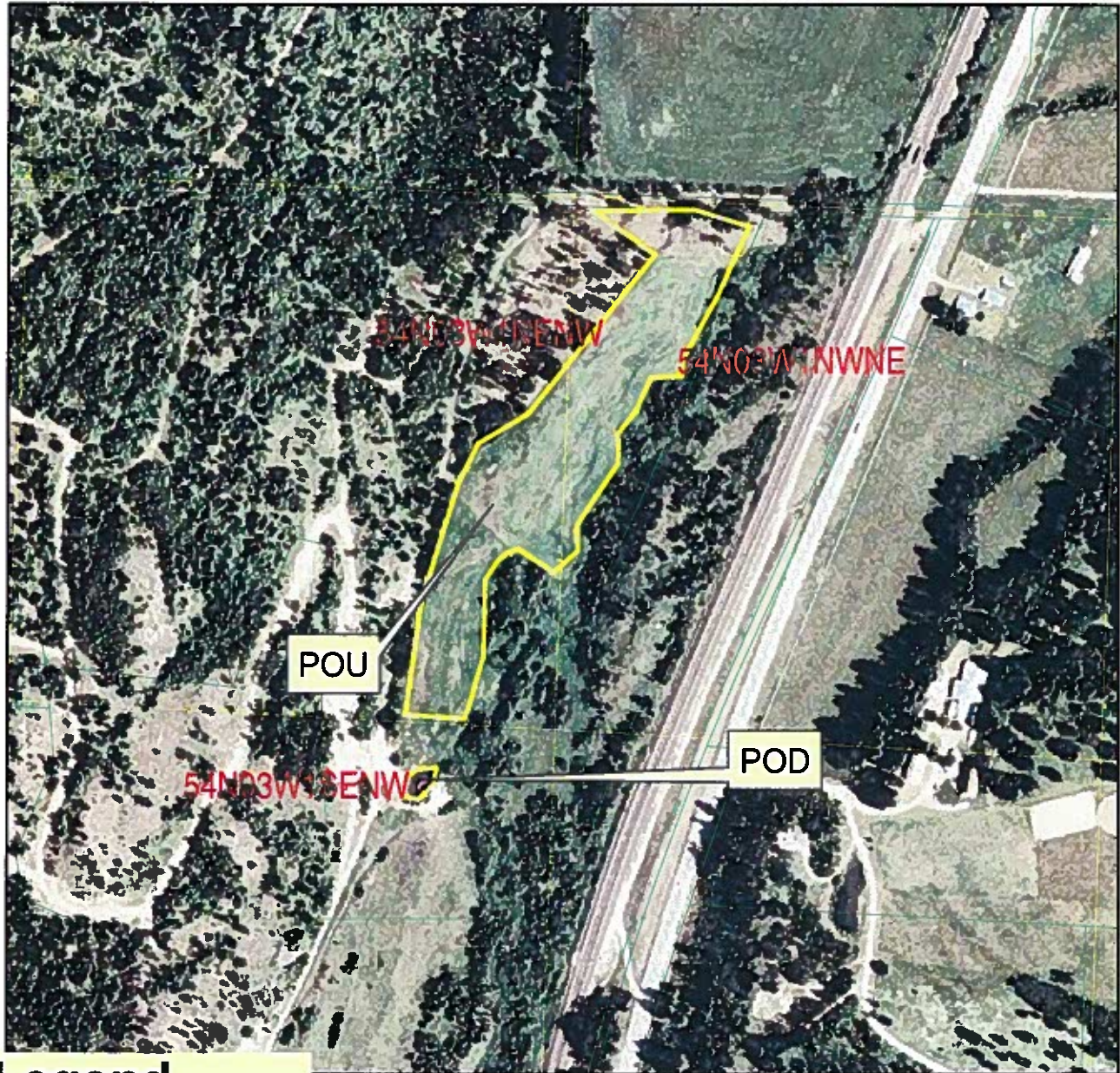
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Eric J. [Signature] Date 6-17-2008

Reviewer [Signature] Date 7/7/8

96-9258



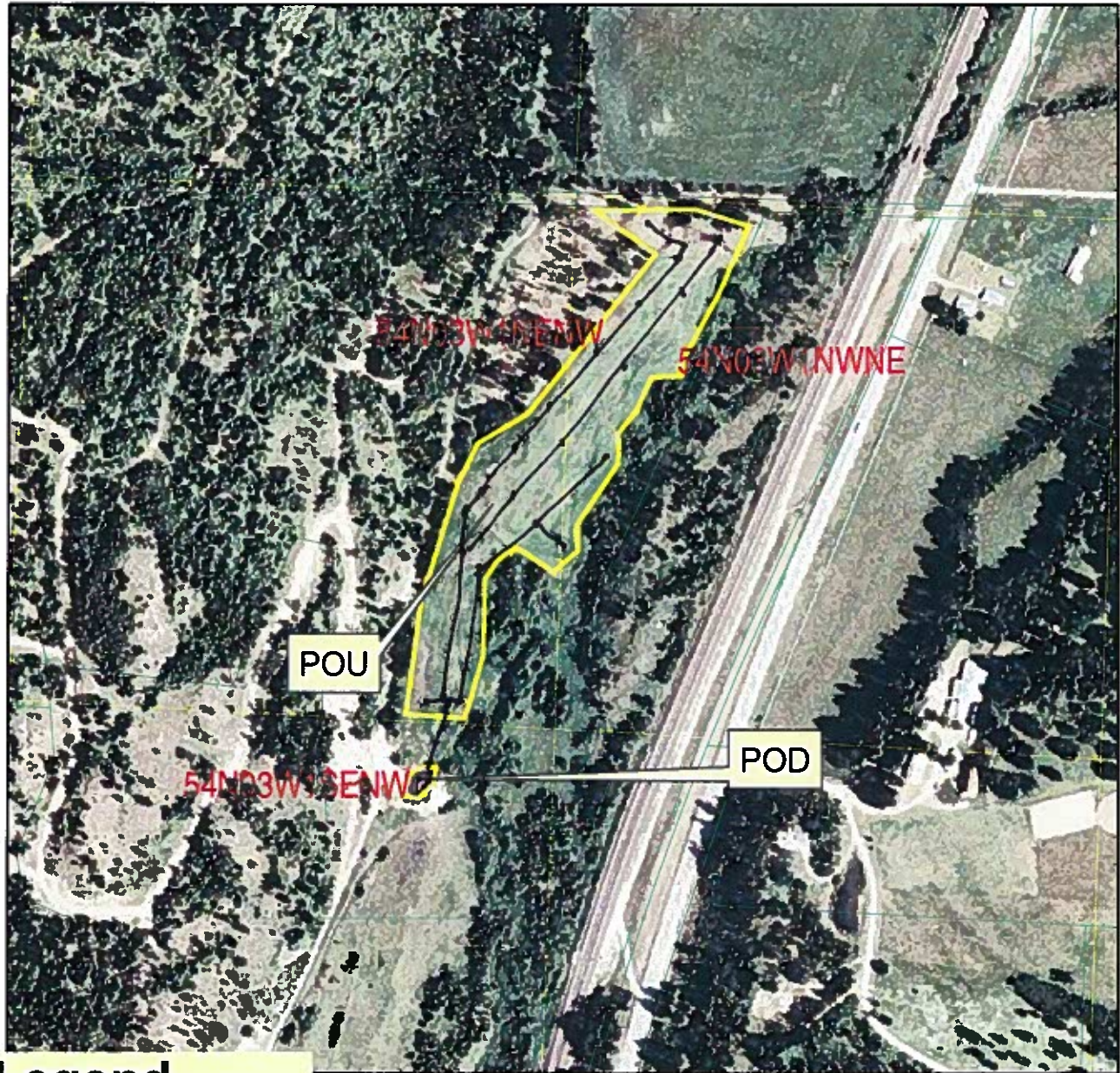
Legend

- QQ
- place of use
- Right POD

0 130 260 520 780 1,040 Feet



SYSTEM DIAGRAM



Legend

- QQ
- place of use
- Right POD

0 130 260 520 780 1,040 Feet





Pump.JPG



POND.JPG



STREAM.JPG



POD.JPG



POU.JPG



STOCK.JPG



IRRIGATION.JPG

96-9258



96-9258





96-9258





96-9258





96-9258