

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 96-9035

Exam Date: 5/21/2008

1. Current Owner: MIDAS WATER ASSN
822 GARFIELD BAY RD
SAGLE ID 83860
(208)265-4609
2. Accompanied by: JERRY LATHER
Phone No: SAME
Address: SAME
Relationship to Permit Holder: PRESIDENT

3. **SOURCE**

TRIBUTARY

GROUND WATER

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 SYSTEM

1. **LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SW1/4NE1/4
BONNER County

Sec. 21, Twp 56N, Rge 01W, B.M.

Method of Determination: **GPS N 48° 11'20.4 W116°26'38.7 AND MAP**

2.

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>
D0010956	u/k	3/4	u/k	u/k	

*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. 96-9035						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	0.75	112.5170068	0.7	20	40
Q =	0.041 cfs		18.5 gpm			

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 6.5 \times 3 = 19.5 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.2 \times 214 \times 1.9835 = 8.5 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 8.5 \text{ AFA}$$

2. Volume Calculations for Other Uses:

$$\text{Domestic} = 24 \text{ homes} \times 0.6 \text{ AF} = 14.4 \text{ AFA}$$

$$\text{IRRIGATION} = 8.5 \text{ AFA}$$

$$\text{TOTAL} = 22.9 \text{ AFA}$$

G. NARRATIVE/REMARKS/COMMENTS: This water right use is functioning as a Municipal and the permit is for Domestic and Irrigation. I recommend the use to be changed to Municipal. PWS # ID 1090031

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	0.040 CFS	22.90 AF
<u>Totals:</u>		0.040 CFS	22.90 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

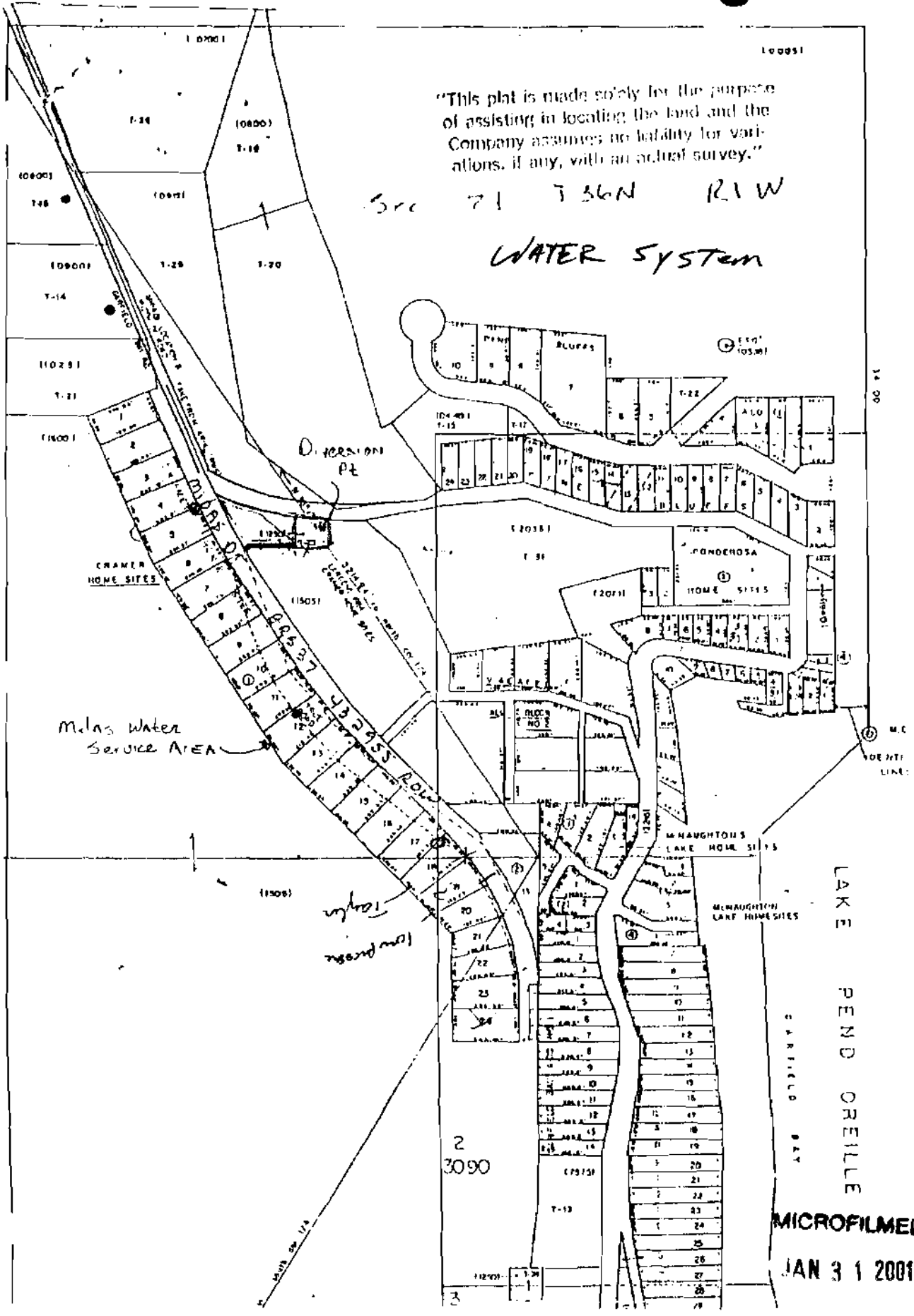
Field Examiner's Name [Signature] Date 7-14-2008

Reviewer [Signature] Date 7/14/8

"This plat is made solely for the purpose of assisting in locating the land and the Company assumes no liability for variations, if any, with an actual survey."

Sec 71 T36N R1W

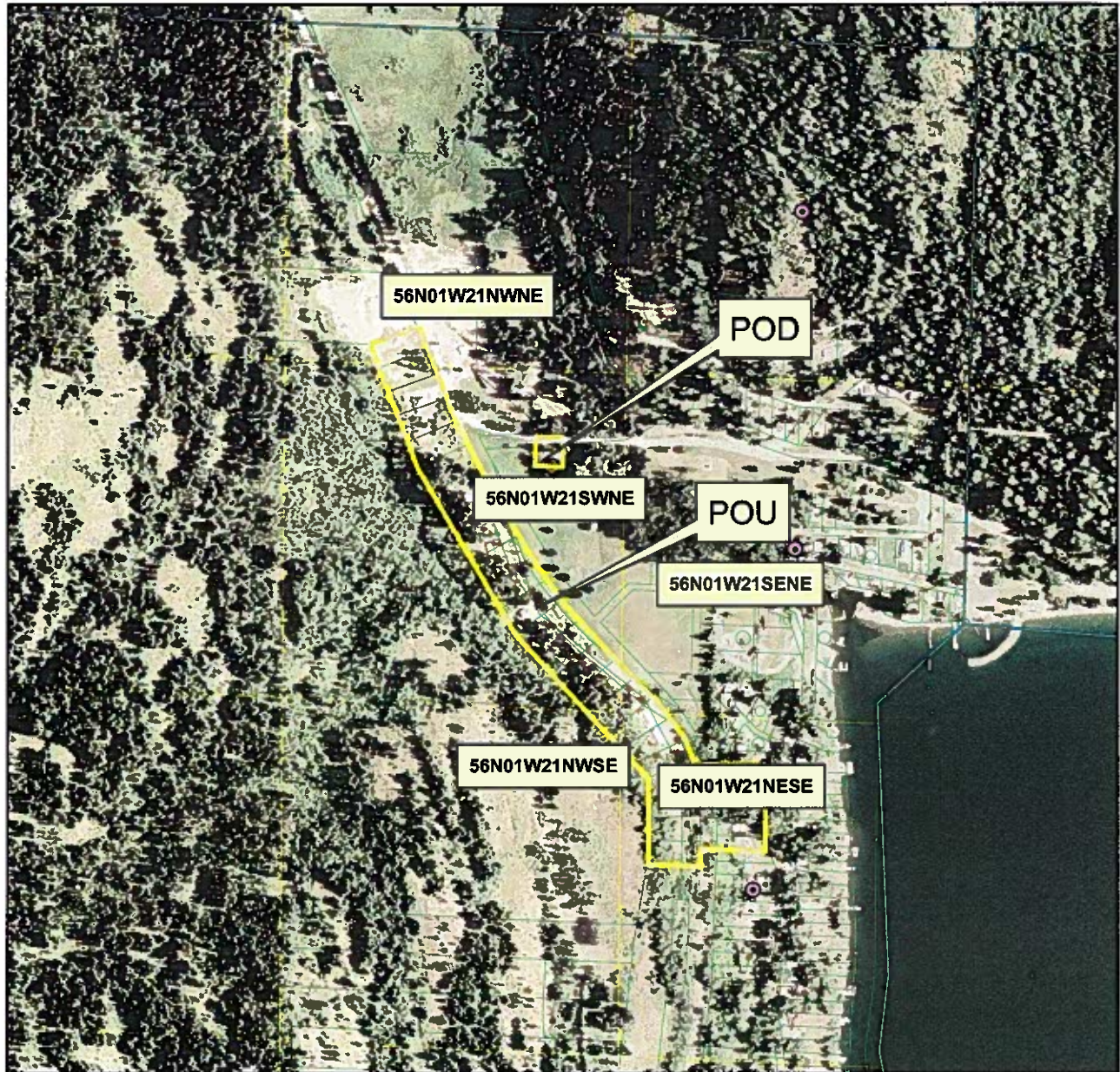
WATER SYSTEM



5
11

MICROFILMED
JAN 31 2001

96-9035



Legend

- QQ
- place of use
- Right POD
- Township/Range
- Sections

0 65 130 260 390 520 Meters





POU.JPG



POD.JPG



WELL_TAG.JPG



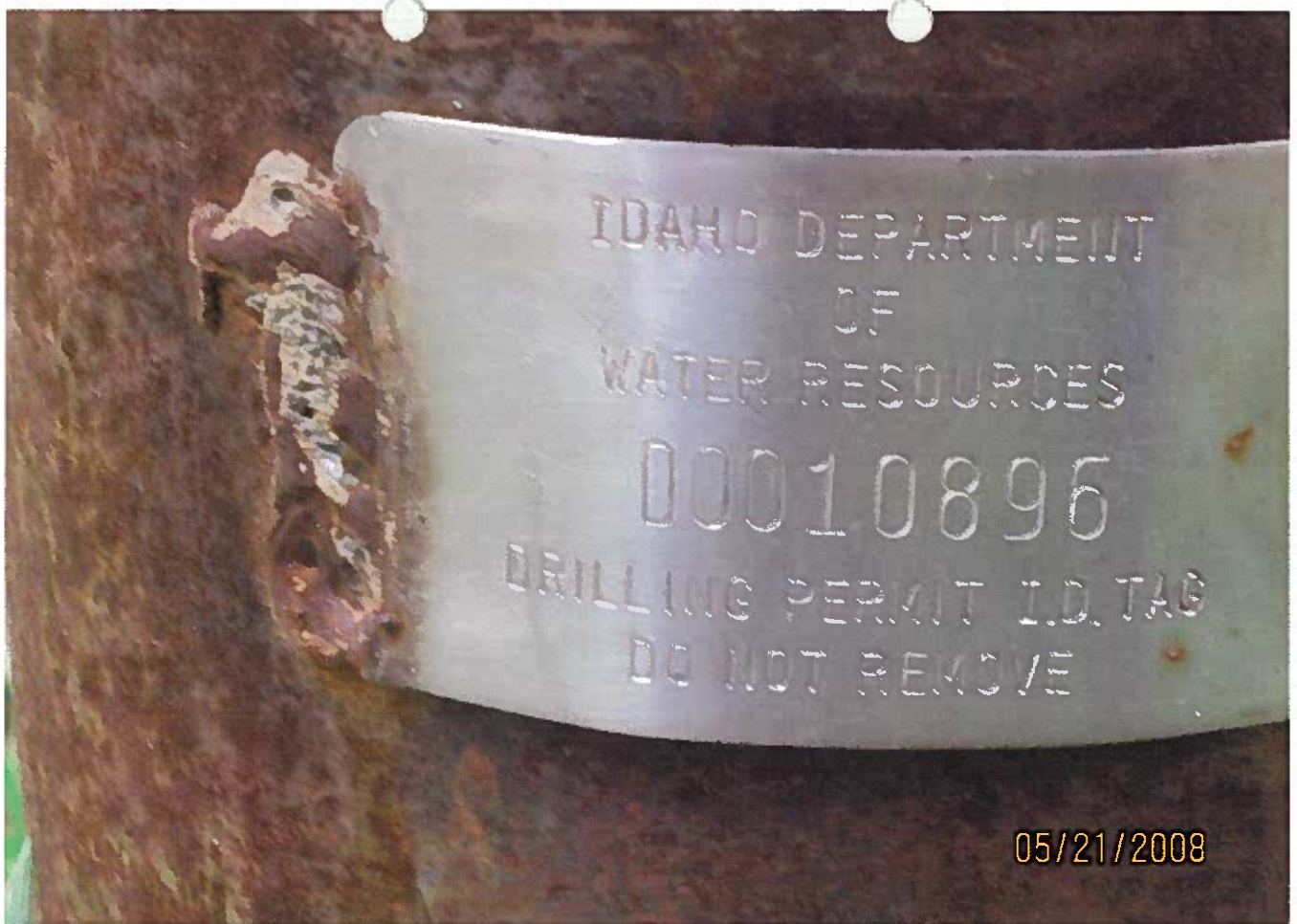
SYSTEM.JPG

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