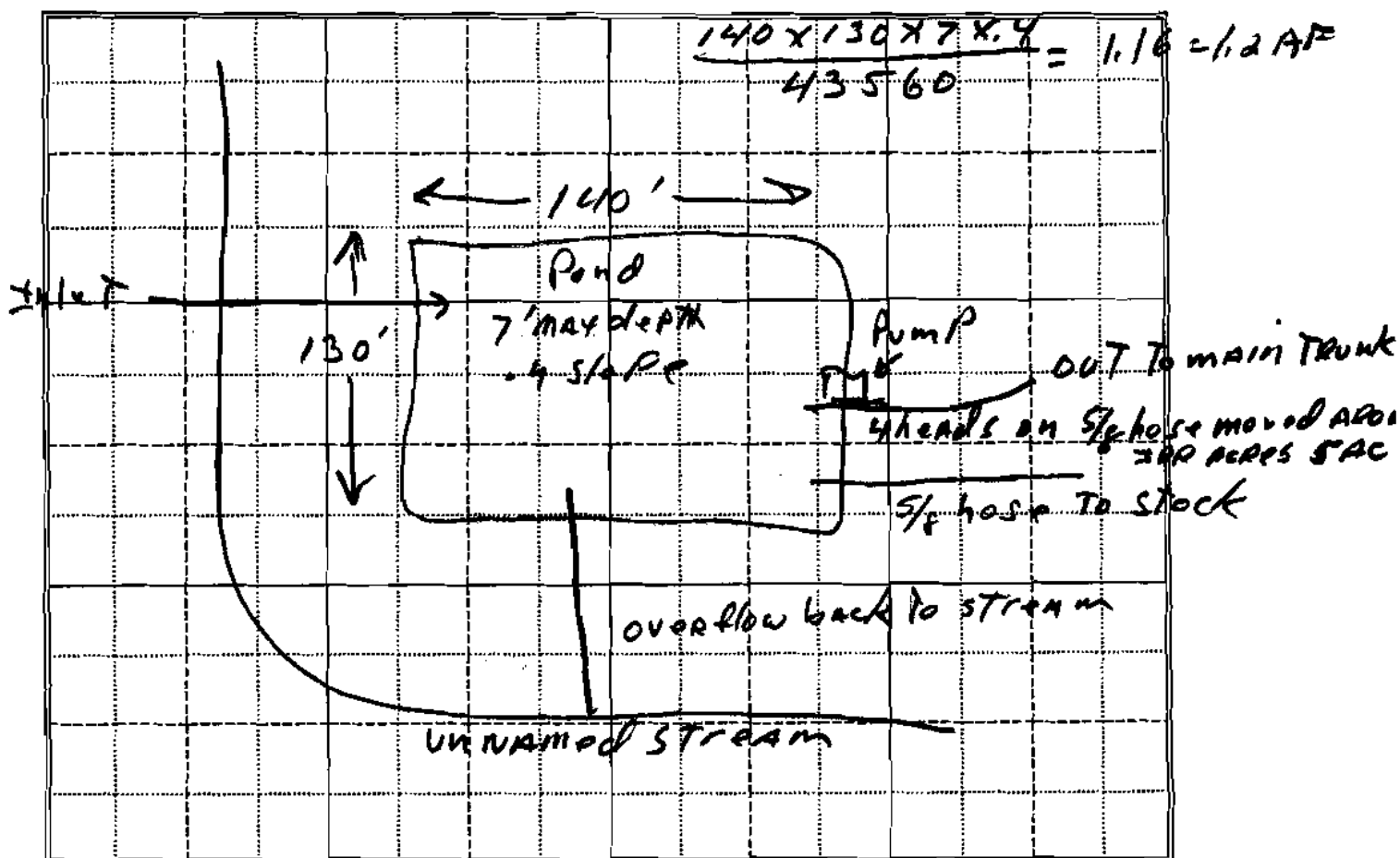


[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe i.d. as applicable.



Scale: 1" = _____

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (if required).

____ Aerial Photo Attached (required for Irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Flotec	1		AD Smith	1"

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements:

E. NARRATIVE/REMARKS/COMMENTS

At time of exam irrigation pump was in for repairs. Pump info system info supplied to me by Mick Blakely. He operates and maintains the property for Veberoth family. Permit shows 10 acres of irrigation. He states they only irrigate 5 acres from pond and on dry years there isn't enough water for that.

Have conditions of permit approval been met? Yes ☐ no

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

$$\text{Pond: } 5 \text{ gal bucket meas. } 5 \text{ gal in } 60 \text{ sec} = 59 \text{ gpm} \\ 59 \text{ gpm} \times 1.33681 = .01 \text{ cfs Div. to Storage} \\ \underline{60}$$

IRRIGATION: Theoretical

$$\frac{8.8(1)(17)}{10' + (2.3 \times 50)} = \frac{6.16}{125.5} = .049 = .05 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 5 \times 3 = 15$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days In Irrigation Season}) \times 1.9835 = .05 \times 213 \times 1.9835 = 21.1$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 15$$

2. Volume Calculations for Other Uses:

$$\text{Pond } \frac{140 \times 130 \times 7 \times .4}{43560} = 1.2 \text{ AF}$$

$$\begin{array}{r} + .8 \text{ AF Evap \& Seepage} \\ \hline 2.0 \text{ AF} \end{array}$$

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion	Annual Volume
	From	To	Q (cfs)	V (afa)
Irrigation -	04-01	10-31	.05	1.5
Irrigation Storage	01-01	12-31		
Irrigation from Stor	04-01	10-31		2
Diversion to Stor	01-01	12-31	.01	2
Stock water Stor	01-01	12-31		2
Stock water from Stor	01-01	12-31		2
Fire Protect Stor	01-01	12-31		
Fire Rec Storage	01-01	12-31		
Totals:				17

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

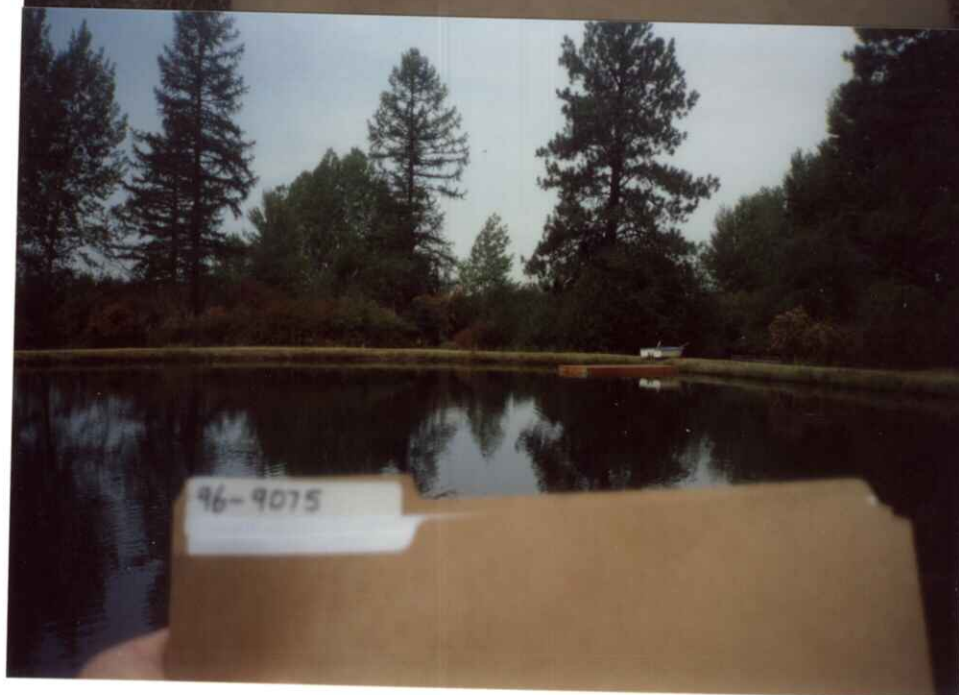
Field Examiner's Name Wayne Baldwin Date 9-28-07

Reviewer [Signature] Date 2/4/7

SEAL



Inlet To
Pond



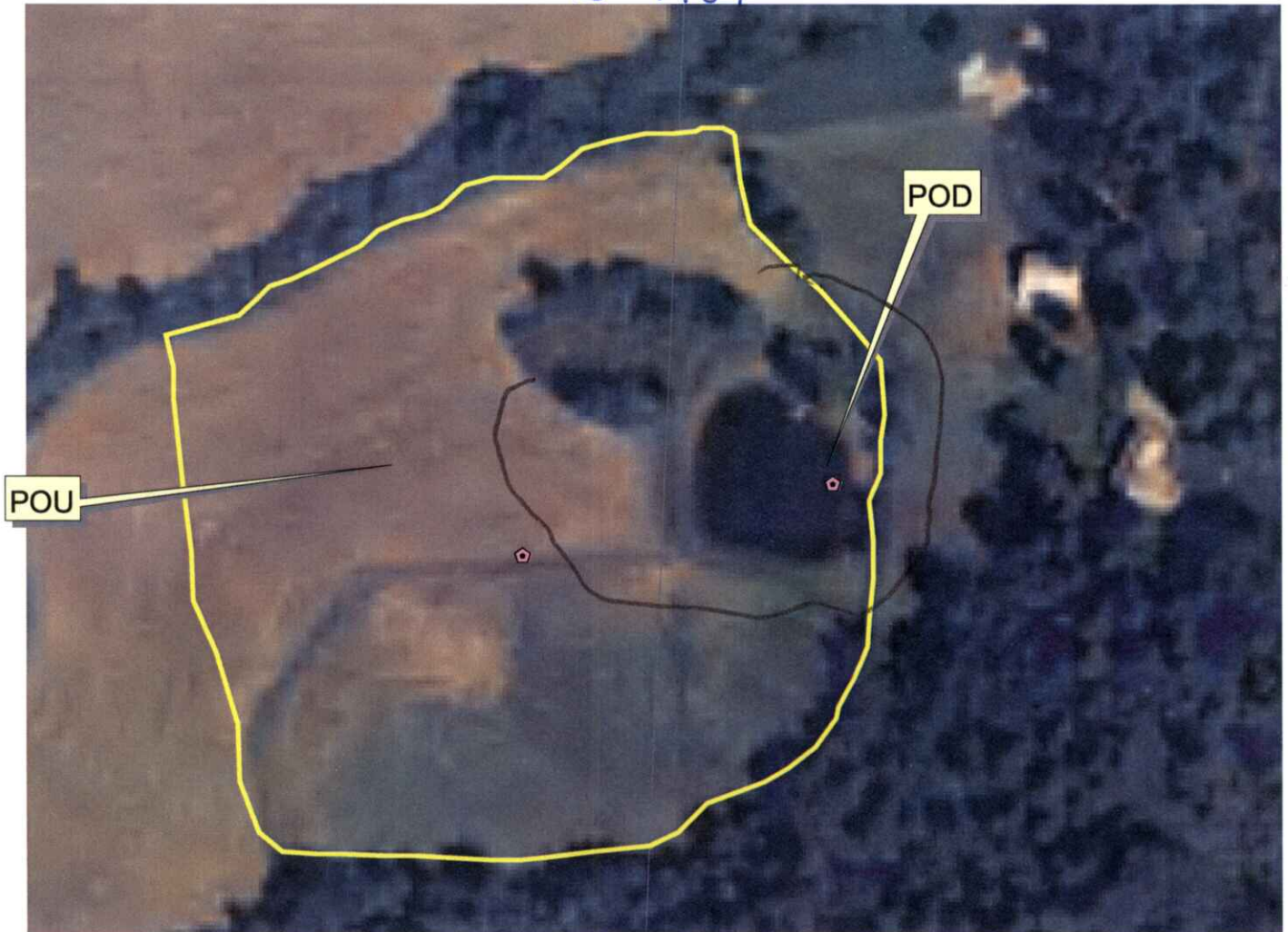
Pond

~~96-09075~~

95-9464

~~96-9075~~

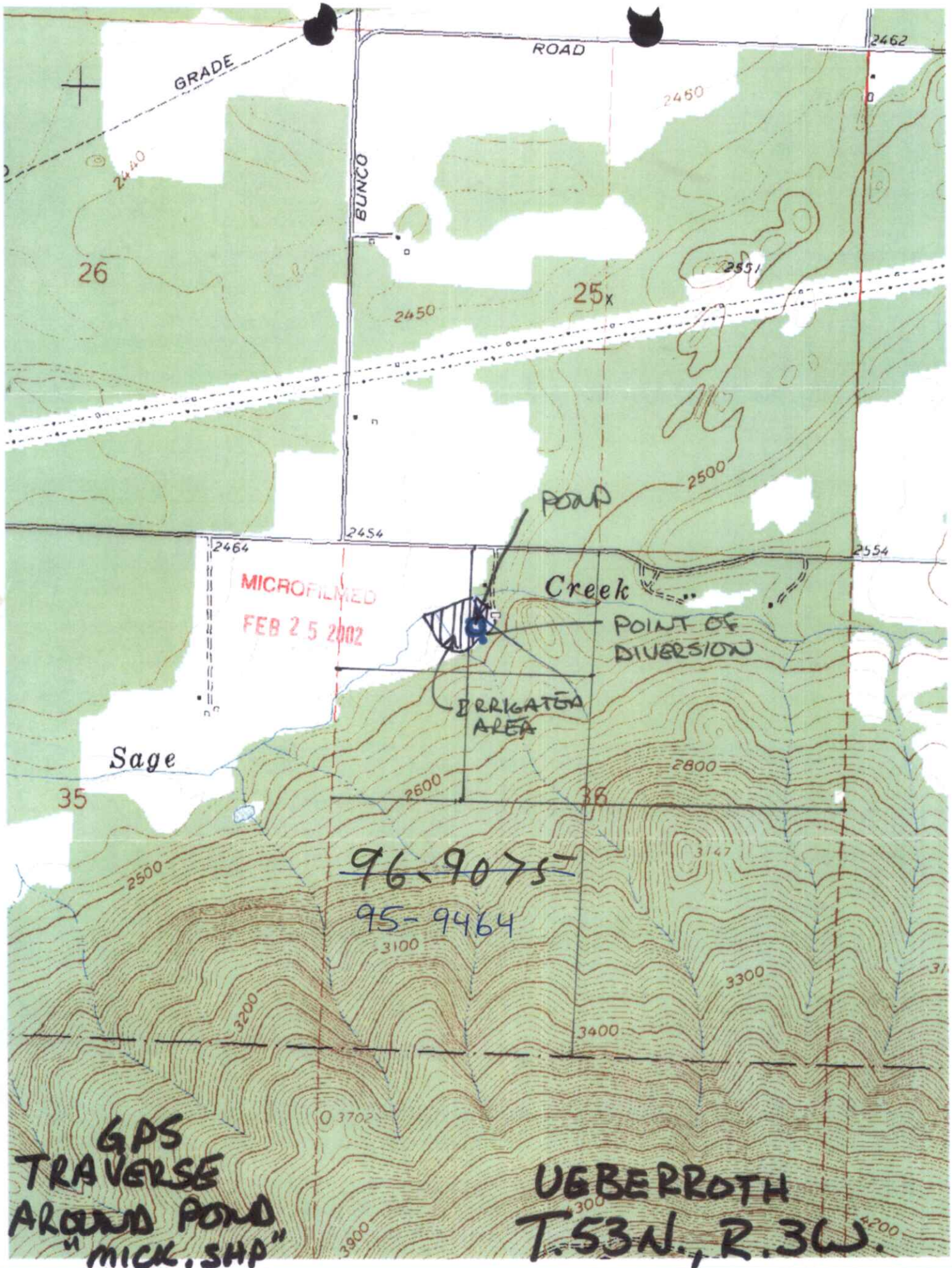
95-9464



0.01 0 0.01 0.02 Miles

 Kootenai taxlots
 GCDB53N03W GCDB
 Permit POD





GRADE

ROAD

2462

2460

BUNCO

26

2450

25x

2551

2500

POND

2454

2464

MICROFILMED
FEB 25 2002

Creek

POINT OF
DIVERSION

IRRIGATION
AREA

Sage

35

2600

2800

96-9075

95-9464

3100

3147

3300

3400

3702

3900

UGERROTH

T. 53N., R. 3W.

GPS
TRAVERSE
AROUND POND
"MICK, SHP"