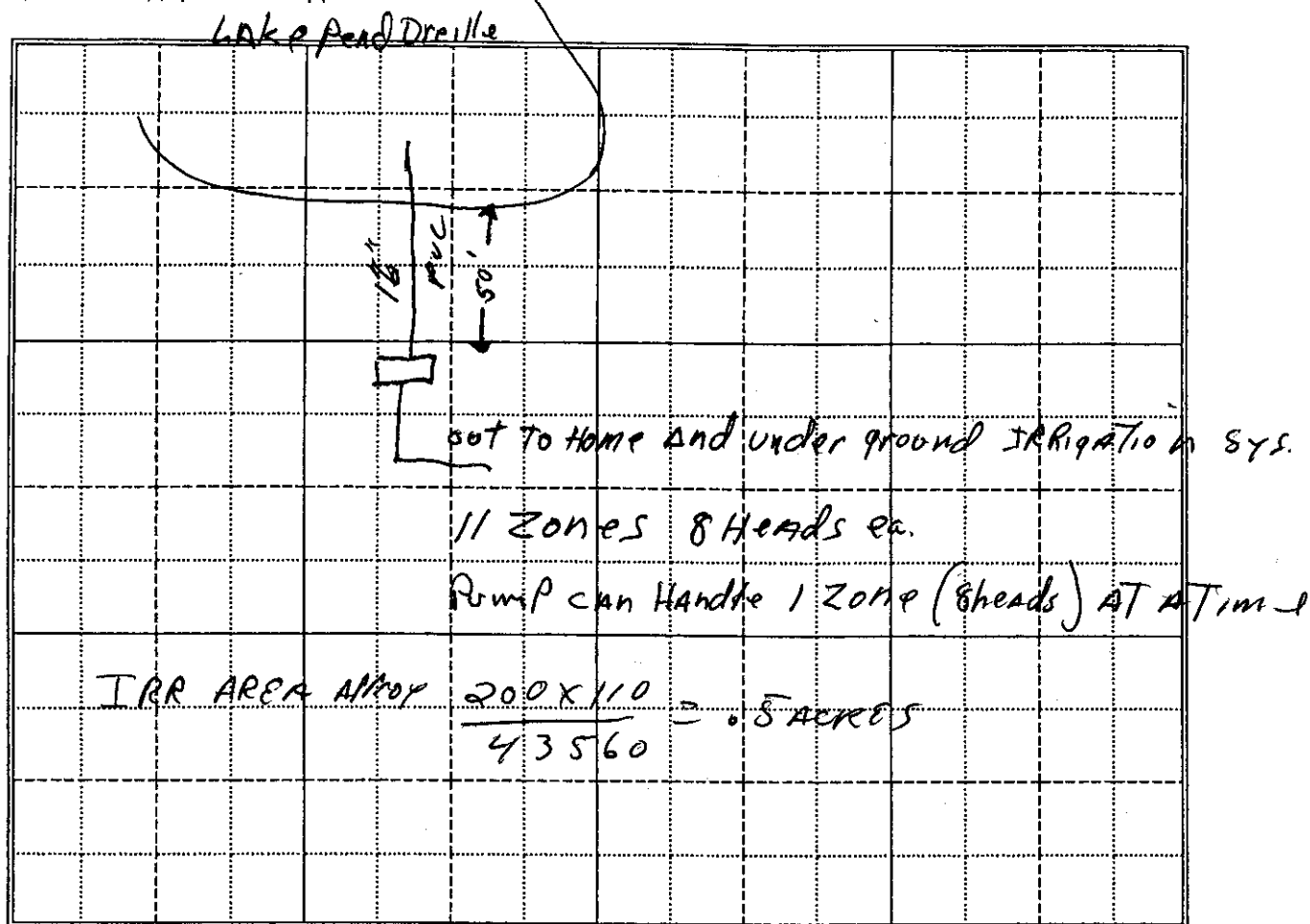


[illegible]

3. Delivery System Diagram: Indicate all 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 (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
	Pentek	1	FPO100	Pentek	1 1/2"

*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: _____

This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

✓

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

$$\begin{aligned} \text{IRR } 8 \text{ heads at } 29 \text{ pm ea. at } 45 \text{ PSI (manufacturer's flow chart)} \\ = \frac{169 \text{ pm} \times .133681}{60} = .03 \text{ cfs} \end{aligned}$$

Domestic - 5 gal bucket on mainline (pressure tank bleed off)

$$5 \text{ gal in } 16 \text{ sec} = \frac{18.75 \text{ gpm} \times .133681}{60} = .04 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 1.5 \times 3 = 4.5$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .03 \times 213 \times 1.9835 = 12.6$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 1.5$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Domestic	01-01	12-31	.04	.6
Irrigation	04-01	10-31	.03	1.5
Totals:			.04	2.1

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 6-17-09

Reviewer [Signature] Date 6/18/09

SEAL



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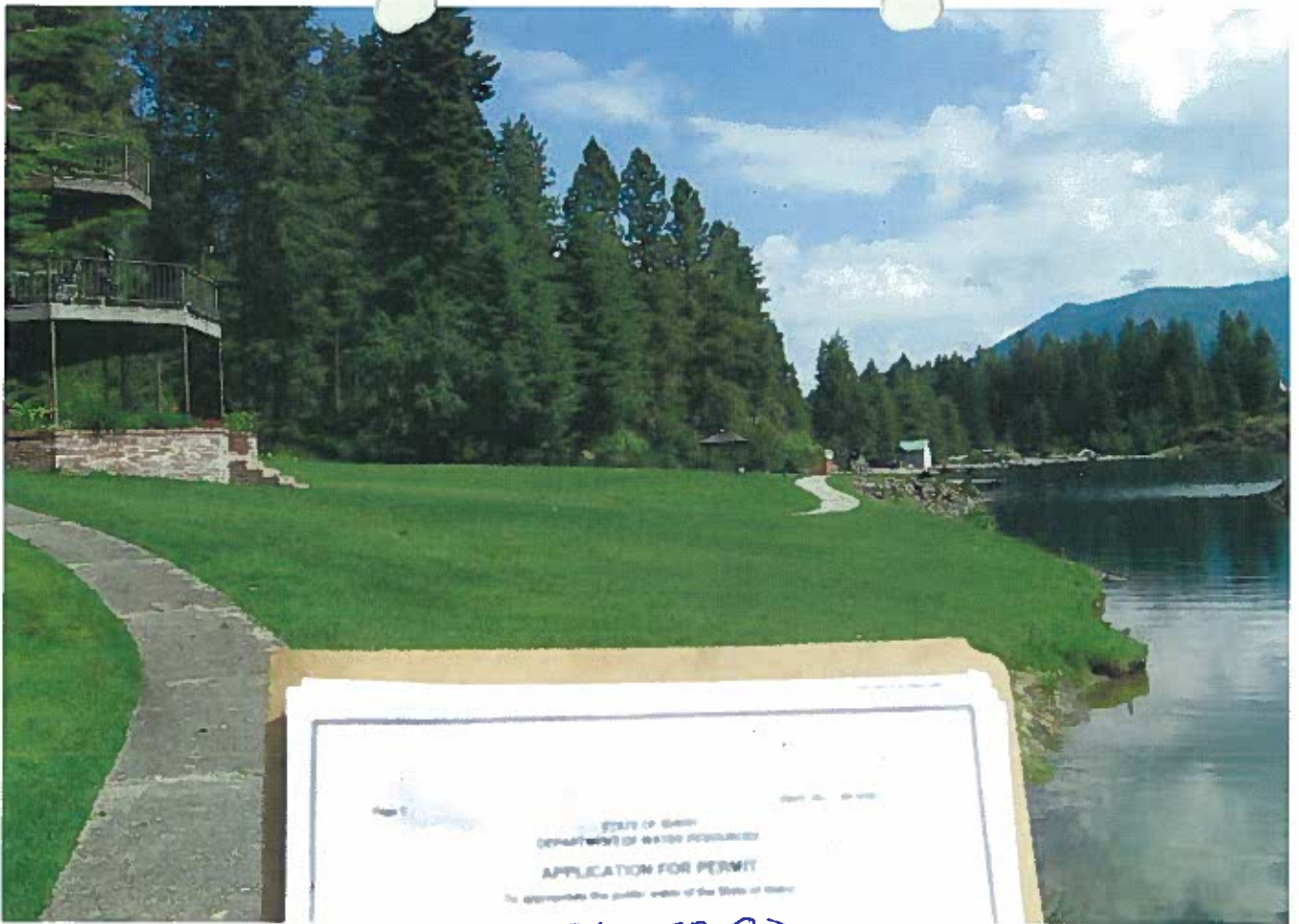


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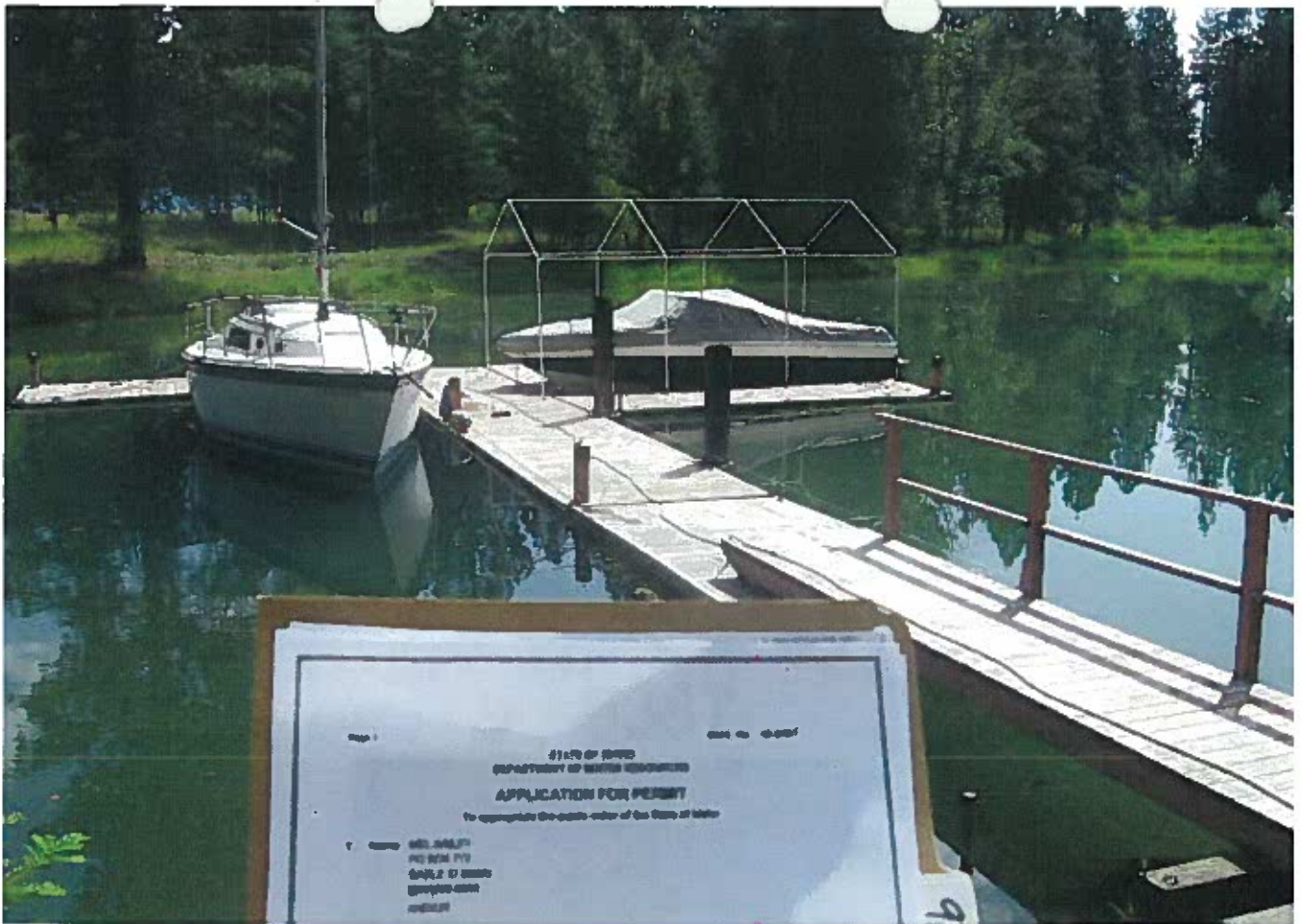
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