

[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 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 Size</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

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

D. FLOW MEASUREMENTS

1.

<u>Measurement 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: 5 gal in 20 sec

E. FLOW CALCULATIONS

_____ Additional Computation Sheets Attached

Measured Method:

5 gal in 20 sec
 15 gpm
 0.04 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3 \times 1 = 3 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = .02 \times 246 \times 1.9835 = 9.8 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 3 \text{ AF}$$

2. Volume Calculations for Other Uses:

$$\begin{array}{r} .6 \text{ AF Domestic} \\ + 3.0 \text{ AF Irrigation} \\ \hline 3.6 \text{ AF total} \end{array}$$

G. NARRATIVE/REMARKS/COMMENTS

THIS SYSTEM USES WATER FROM LAKE COEUR D'ALENE FOR DOMESTIC AND IRRIGATION USES. A MEASUREMENT OF 5 GALLONS IN 20 SECONDS WAS TAKEN DURING THE FIELD EXAM.

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>
IRRIGATION	03/15 to 11/15	0.020 CFS	3.00 AF
DOMESTIC	01/01 to 12/31	0.020 CFS	0.60 AF
<u>Totals:</u>		0.040 CFS	3.60 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 9-5-07

Reviewer [Signature] Date 9/10/7

95-9341



0.06 0 0.06 0.12 Miles

-  Kootenai taxlots
-  GCDB50N03W GCDB
-  GCDB49N03W GCDB
-  Right POD
-  Pou.shp
-  Pod.shp
-  Administrative BasinsAdminbas.shp





MEASUREMENT



PLACE OF USE 1



PLACE OF USE 2



PLACE OF USE 3



PLACE OF USE 4



POINT OF DIVERSION



SYSTEM



SYSTEM PRESSURE

95-9341



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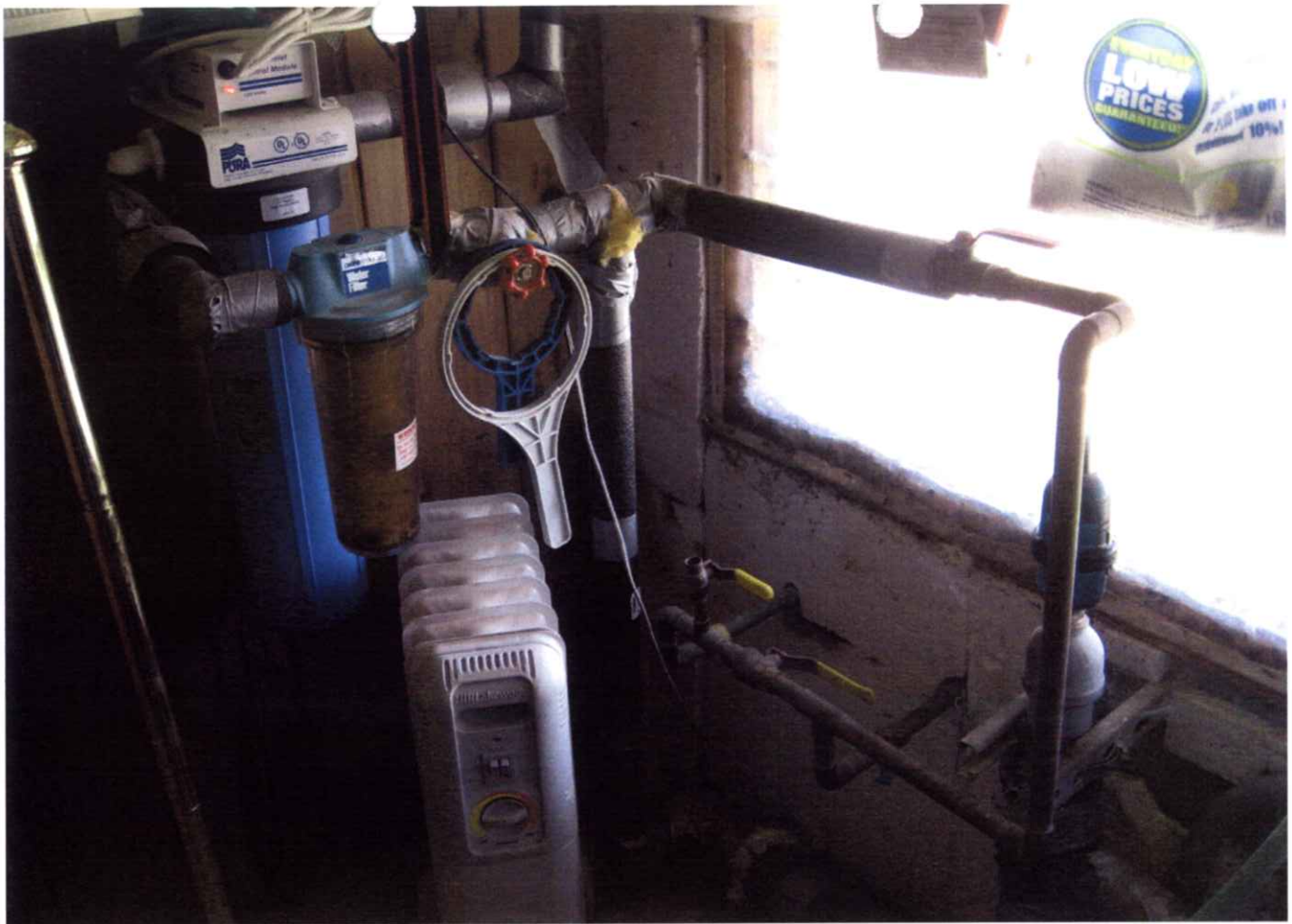
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