

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-9419

Exam Date: 5/1/2008

1. Current Owner: KENNETH B AND MARGARET T MILLER TRUST UDT
6530 W RIVERVIEW DR
COEUR D ALENE ID 83814
(208) 664-6671

2. Accompanied by: **OWNER**Phone No: **SAME**Address: **SAME**

Relationship to Permit Holder: N/A

3. **SOURCE**

SPOKANE RIVER

TRIBUTARY

COLUMBIA RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: **NONE**
2. Other water rights with the same point of diversion: **NONE**

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

SPOKANE RIVER

L6 SW1/4NE1/4

Sec. 8, Twp 50N, Rge 04W, B.M.

KOOTENAI County

Method of Determination: **MAP**

2.

PLACE OF USE: IRRIGATION

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			<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>	
50N	04W	8			.5														.5
					L 6														

Total Acres: 0.5

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>
	Franklin	2	887-03-0785	Franklin	2243014116

*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.			95-9419		
	HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
$Q = \frac{HP \times 8.8 \times \text{Eff}}{H}$	2	704.0816327	0.8	600	45
Q = 0.020 cfs 9.0 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.5 \text{ ac} \times 0.02 = 1.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.02 \times 245 \times 1.9835 = 9.7 \text{ AF}$$

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

2. Volume Calculations for Other Uses:

Total Volume 1.5 AF

G. NARRATIVE/REMARKS/COMMENTS

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	1.50 AF
<u>Totals:</u>		0.020 CFS	1.50 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

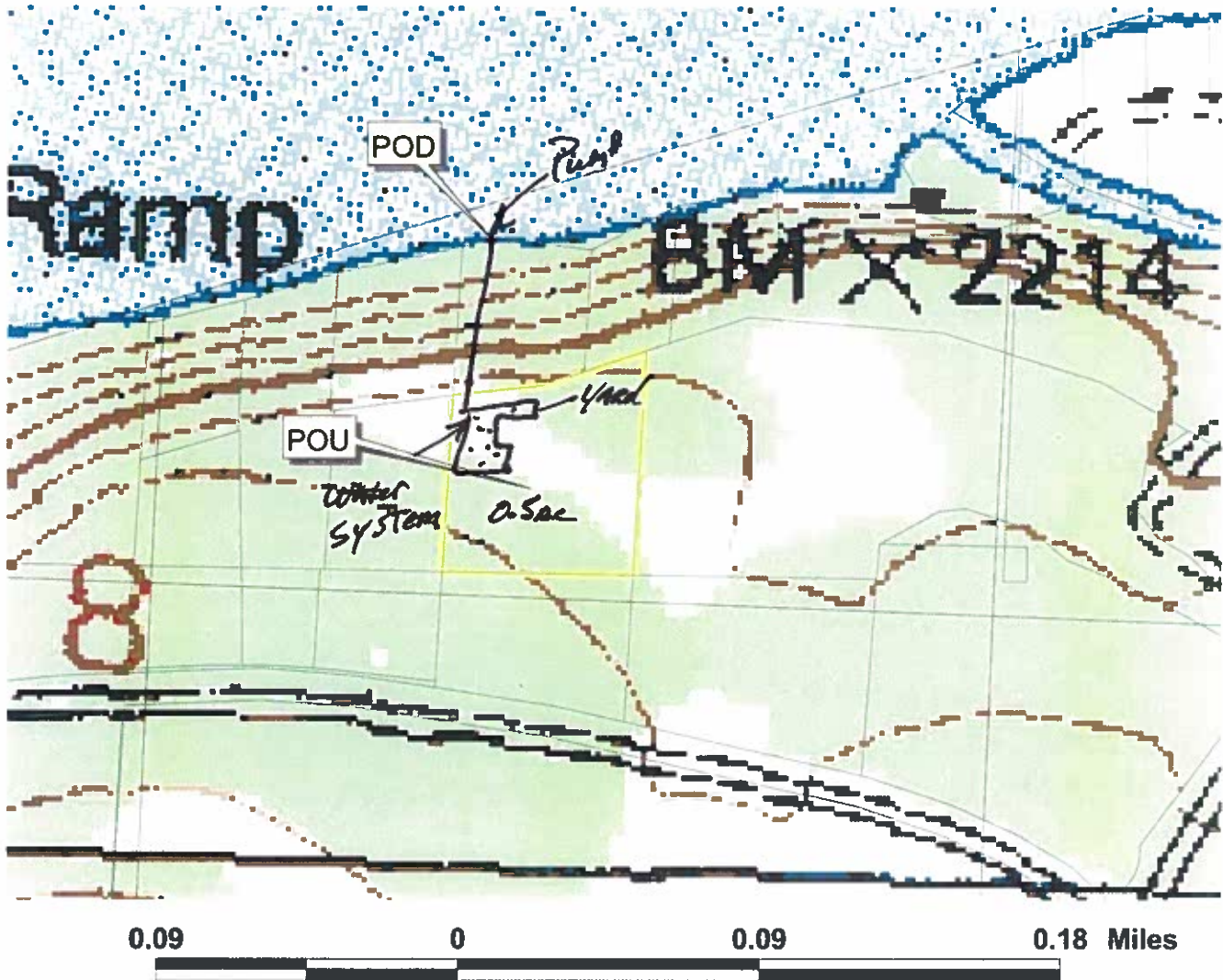
I. AUTHENTICATION

Field Examiner's Name [Signature] Date 5-2-08

Reviewer [Signature] Date 5/7/8

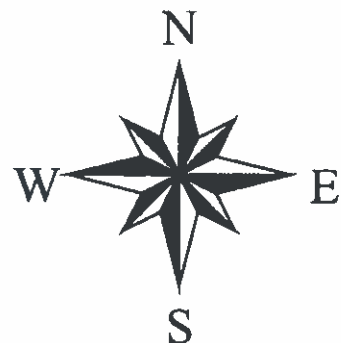
Delivery System Diagram

MILLER



95-9419

- Kootenai taxlots
- GCDB50N04W GCDB
- Application POD
- Application POU
- Place of use.shp
- Administrative BasinsAdminbas.shp



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POD

50N04W8SWNE

POU

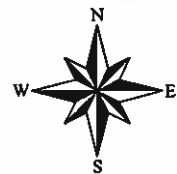
Legend

⊙ Right POD

▨ Right POU

QQ

0 175 350 700 1,050 1,400 Feet





POD.JPG



PUMP.JPG



POU1.JPG



POU 2.JPG



TANK .JPG



IRR.JPG

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