

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 92-7223

Exam Date: 6/20/2007

1. Current Owner: Richard L. Uhlmann
1220 Shepherd RD, St. Maries, ID 83861
2. Accompanied by: Donald R. Baugh
 Phone No: (208) 245. 2344
 Address: 1220 Shepherd RD St. Maries, ID 83861
 Relationship to Permit Holder: (previous owner)

3. SOURCE

ST JOE RIVER

TRIBUTARY

COEUR D ALENE LAKE

B. OVERLAP REVIEW

1. Other water rights with the same place of use: None 92-7226 None
2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

1. LOCATION OF POINT(S) OF DIVERSION:

ST JOE RIVER

L9 NW1/4SW1/4

Sec. 16, Twp 46N, Rge 02W, B.M.

BENEWAH County

Method of Determination:

Garmin GPS Receiver, USGS 7.5' Quadrangle 'St. Maries' (G56)

2.

PLACE OF USE:

DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				Totals
46N	02W	16	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
												X							
												L 9							

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

FORWARDED
6/27/07

4.

Well or Diversion
ID No.*Motor MakeHpMotor Serial No.Pump MakePump Serial No. or Discharge
Size

	Century	1.5	-	Century	BN 4 - 266
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*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement
EquipmentTypeMakeModel No.Serial No.SizeCalib. Date

2. Measurements:

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method:

PUMP EQUATIONS WATER RIGHT No. 92-7223						
		HP	H in feet	Efficiency as a decimal	Pumping lift in feet	System pressure in PSI
Q =	HP*8.8*Eff/H	1.5	67.82312925	0.7	10	25
Q =	0.136 cfs 61.2 gpm					

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = (1.25) \times (3) = .75 \text{ AFA}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = (0.04) \times \left(\frac{213}{231}\right) \times (1.9835) = 16.89 \text{ AFA}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = .75 \text{ AFA}$$

2. Volume Calculations for Other Uses:

G. NARRATIVE/REMARKS/COMMENTS

Field exam. on June 20, 2007. The address has been changed to 1220 Shepherd Road. The proof report indicates lawn watering is the only use for water under Permit 92-7223. The Application For Permit indicates 1/4 acre will be irrigated.

The Place of Use for License 92-7226 does not overlap the Place of Use for this license. A check of the Bureau of Land Management (BLM) survey for the area indicates that the property line for 92-7226 turns from East-West to North South before reaching 92-7223. The area encompassed by license 92-7226 therefore does not encroach on 92-7223.

Examiner was accompanied by the previous owner (Donald R. Baugh). Mr. Baugh indicated that Richard Uhlmann is purchasing the property. A blank Assignment of Permit form and explanation of the filling fee was provided to Mr. Baugh during the exam.

A real estate flyer posted at the property indicates the property is .60 acres. The 3024 square foot home, 30 foot x 40 foot shop / garage, concrete retaining wall, and paved parking and driveway areas reduce the amount of ground that can be irrigated to less than one-half acre.

Mr. Baugh stated that he irrigates two lawns in eight separate zones from buried sprinklers. Six of the zones are located between the St. Joe River and the home or on the sides of the home. Two of the zones are located on the front lawn between Shepherd Road and the home. Domestic water for the home is now provided by a City of St. Maries water connection. Mr. Baugh turned on the sprinklers using a control box in his shop / garage to control the sprinkler zones during the exam. The system has two spigots. One is located on the rear lawn and one on the front lawn.

The water system Point of Diversion (POD) is located where a hose enters the St. Joe River at N 47 Degrees 19.826 Degrees, W 116 Degrees 36.197. Eight satellites were visible for the Global Positioning System (GPS) receiver. The hose hangs down into the River from a dock which extends Northward into the St. Joe River from the owners property. The revised POD obtained on the shoreline is N 48 01.929, W 116 33.773. There is no change in the 1/4 1/4 section by this change in POD.

The hose extends from the River to a electric pump located on the shoreline immediately to the right of the dock. A post located on the shoreline immediately to the left of the dock has an electrical outlet to power the pump. The pump has a removable roofed cover. The pump is a 1.5 horsepower Century AC motor Type CS Jet Pump (Volt 230/115) (RPM 2850 / 3450). The pump serial number is BN4 - 266. The pump could be heard running during the exam to run sprinklers.

The property owner indicated during the field exam that the home on the property now receives water from a city system. The property owner also demonstrated that irrigation needs on the property are effectively met by applying water through a series of sprinkler zones that reduce the amount of water needed at any given time. Given that the property is only .60 acres and irrigatable area is further reduced by a home, shop building, and driveways .04 CFS will provide ample water to meet irrigation needs. No extenuating circumstances were observed during the exam to justify additional water for irrigation. Field examiner recommends .04 CFS for the license.

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>
DOMESTIC	01/01 to 12/31	0.040 CFS	1.2 ~~1.4~~ AF
<u>Totals:</u>		0.040 CFS	1.2 ~~1.4~~ 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

Date

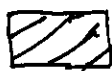
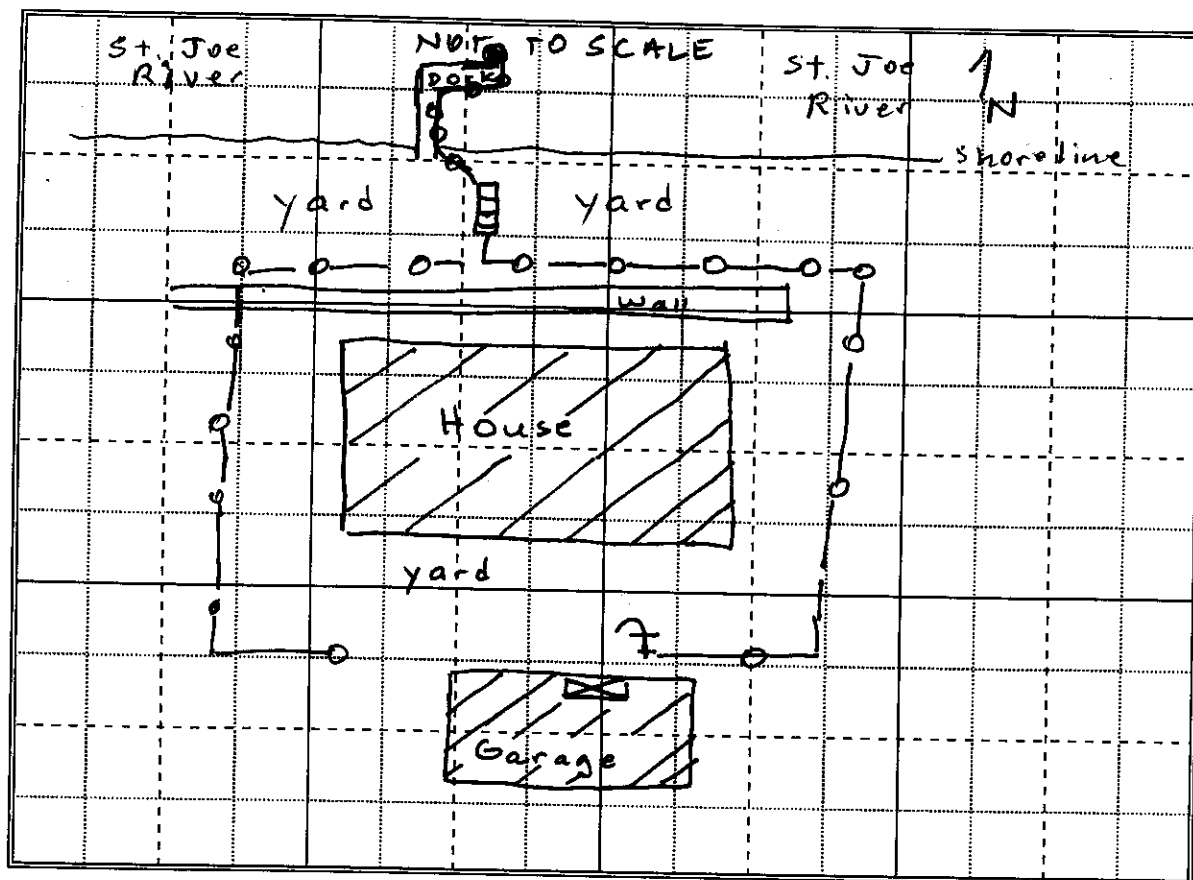
Reviewer

Date

Richard Uhlmann *10/12/07*
Michael Wood *10/29/07*

72-7223

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



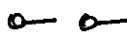
Building



Pump & concrete pad



Above surface water line from submersible to pump



Buried sprinkler irrigation line



spigot



Irrigation Zone Electrical Controls

St. Maries
USGS 7.5'
Quadrangle
(G-56)



POD

POU

LOT 9

T-46N R-2W
92 7223



92-7223 Inlet Hose in St. Joe River



92-7223 Irrigation Zone Electrical Controls In Garage



92-7223 Pump on shore of St. Joe River



92-7223 Rear Lawn immediately after irrigation



92-7223 Rear lawn, spigot & Garage



92-7223 Rear Lawn & Spigot



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Survey Details

? Q

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Original Survey • Twp 46N-2W, ID, Boise (North, South, West boundaries and Subdiv. Lines)

Survey Details

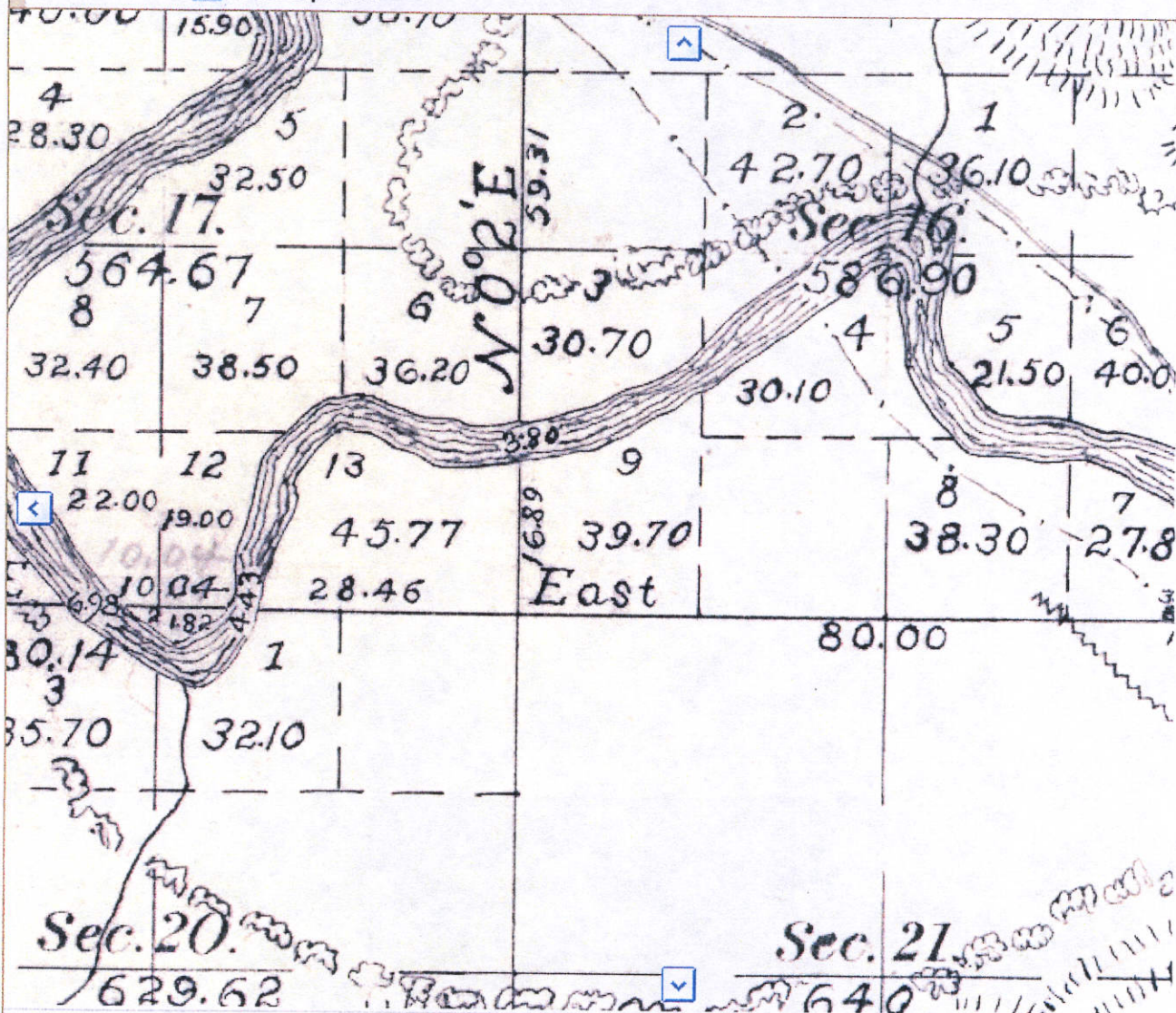
Plat Details

Plat Image

Field Note Images

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Description: ---



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