

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 91-7918

Exam Date: 9/13/2017

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)? ☒ Yes ☐ No
- Irrigation of 5 acres or less
 - Storage of up to 14.6 AF for stockwater purposes only
 - Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less
 - Other < >

2. Current Owner: Name: Capaul-Clutter LLC
- Owner-of-Record Correct? ☒ Yes ☐ No (It was misspelled on the permit)
- Address-of-Record Correct? ☒ Yes ☐ No
- If No:
The physical address of the property is 321 Cedar Grove Ln, St Maries ID

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: C103986

4. SOURCE**TRIBUTARY**

St. Joe River

Coeur D'Alene Lake

Method of Determination: aerial photography was used to identify the POD

Change in Source: ☐ Yes ☒ No**B. OVERLAP REVIEW**

Refer to the attached overlap analysis spreadsheet

1. Other water rights with the same place of use: Overlap? ☒ Yes ☐ No

Water Right No.	Source	Purpose of Use	Basis
91-7157	St Joe River	Municipal	permit

Comments: The city of St Maries considers this parcel to be within their municipal, large POU. It is also known as lot 4 of Cedar Grove Subdivision.

The POU shape of 91-7162 incorrectly overlaps lot 4 which is owned by Capaul-Cutter. The POU shape of 91-7162 should instead cover lots 5 and 6 which are owned by the holder of 91-7162, Howard Thorhaug.

2. Other water rights with the same point of diversion: Overlap? ☐ Yes ☒ No

Water Right No.	Source	Purpose of Use	Basis

Comments:

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

Source	Govt. Lot	%	%	%	Sec.	TWP	RGE		County
St Joe River	12		NE	SE	16	46N	01W	B.M.	BENEWAH

Method of Determination: The POD location is shown in the application map.

Change in POD? ☐ Yes ☒ NoAmendment Required? ☐ Yes ☒ No

2. **LOCATION OF PLACE(S) OF USE:** Use: Domestic

TWP	RGE	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
46N	01W	15														D			
																Lt 12			

Method of Determination: The legal description in the permit is validated by PLS data. An RV is visible in aerial photography. Available Benewah County tax information indicates that there was an improvement built on the property in 2005.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No

3.

☐ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.

☒ 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
		1 hp			

*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: In-office field exam. No measurements taken

E. **FLOW CALCULATIONS**

☒ Additional Computation Sheet Attached

	Domestic	
Policy standard	0.04 cfs	
Permit allowed	0.04 cfs	
License recommendation	0.04 cfs	

F. **VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\text{N/A}}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\text{N/A}}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = \underline{\text{N/A}}$$

Volume Calculations for Other Uses: Volume of a domestic use including small yard irrigation is limited to 1.2 AFA by Admin Processing Memo #22

G. PURPOSE OF USEIrrigation ☐ Yes ☒ No # Stock NA Domestic # of Homes 1Other: < >Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: Information in the water right file is consistent with aerial photography of the property.

If Yes: From Use _____ To Use _____ Amount _____ CFS _____ AFA _____

H. NARRATIVE/REMARKS/COMMENTS

Permit 91-7918 authorized diversion of 0.04 cfs for domestic use including ½ acre of irrigation. Based on the small permitted diversion rate, this permit qualifies for an in-office field exam.

The legal description of the POU was used to locate the property. Available Benewah County parcel information shows that Capaul-Clutter LLC is the owner of the property containing the POU. The physical address is 321 Cedar Grove Ln, St Maries ID. The POU is also known as lot 4 of the Cedar Gove Subdivision.

I created the POU shape based on the permit POU a map. The POU is in gov't lot 12 of the NESE.

I created the POD shape based on the permit POD shape. It is located directly adjacent to the POU and within gov't lot 12 of the NENE.

I spoke to the permit holder on September 13, 2017, about the permit requirements and my review. In that phone call, I requested photos of the screened intake and the pump. I received two photos via email on September, 16, 2017. They are attachments to this report.

Have conditions of permit approval been met? ☒ Yes ☐ No

I. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
Domestic	01/01-12/31	0.04 cfs	1.2 af
	<u>Totals</u>	0.04 cfs	1.2 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 Michele Edl Date September 18, 2017

Reviewer _____ Date _____

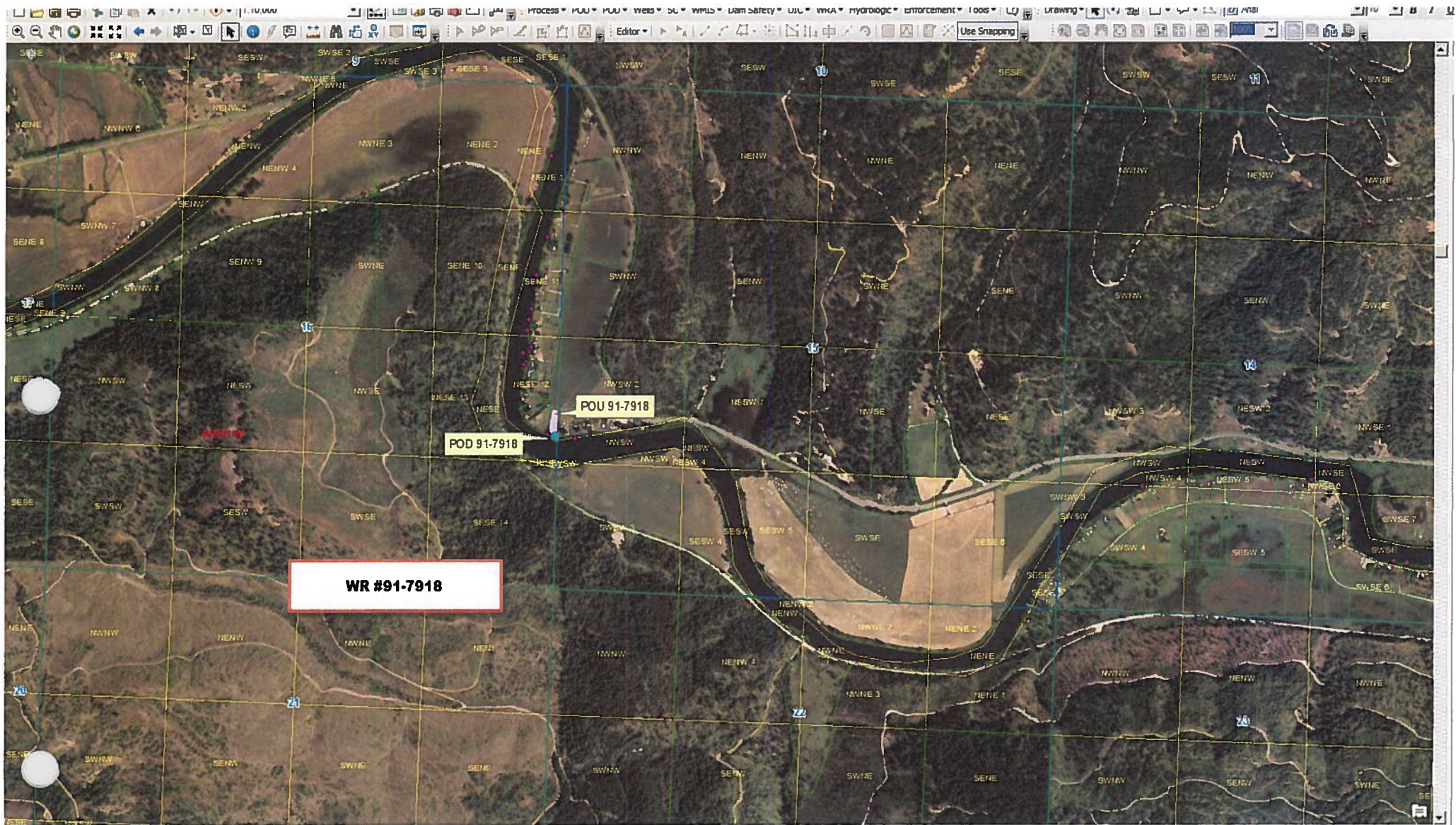
Workflow

Exam Date Entered ☒
 POU/POD shapes ☒
 Combined Rights Entry ☐
 Wild & Scenic Entry ☐
 Draft License and Maps ☒

Supporting Documents

Historical Imagery ☐ Well Log ☐
 Photographs ☒ Diagrams ☐
 LandSat ☐ Theoretical ☒
 Other: _____

THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)									
Water Right No.:	91-7918								
Reviewer:	Michele Edl								
Date of Review:	9/13/2017								
P/D No.:		Senerio 1		Senerio 2		Senerio 3			
PUMP HORSEPOWER		1		1		1			
BOOSTER HORSEPOWER		0		0		0			
PUMPING LEVEL		5.0		5.0		5.0			
DISCHARGE PRESSURE		40		58		65			
RATE OF FLOW (cfs)		0.06		0.04		0.04		0.05	
(gpm)		28.39		19.89		17.82		22.03	
The above calculates the formula =		Q =	$8.8 * (\text{Efficiency}) * \text{hp}$ $\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}$						
Assumptions:	% 70 efficiency								
	No Friction								
Examiners Notes:									
Pump horsepower was provided by the applicant. Lift was estimated by the reviewer but is based on photos provided by the permit holder and the regional topo map. RV manufacturers recommend the intake water pressure be 40-50 PSI with an upper limit at 65 PSI.									



Edl, Michele

From: Justin Capaul <justinc@kootenaifire.com>
Sent: Saturday, September 16, 2017 6:03 PM
To: Edl, Michele **WR #91-7918**
Subject: Pictures for Capaul - Clutter, LLC
Attachments: Pump in Shed.jpg; Filter for pump.jpg

Good afternoon,

Here are the pictures you requested of our pump and the filter at the end of the line that goes in the St. Joe River.
We are lot 4 in Cedar Grove off of St. Joe River Rd.

Please let me know if you need anything else from us!

Thank you for your help with this!

Justin Capaul
Capaul – Clutter, llc

WR #91-7918



