

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

A. GENERAL INFORMATION

Permit No: 75-14748

Exam Date: 3/14/2014

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: Teddy Sue & Jason Roylance
- Owner of Record Correct? ☒ Yes ☐ No
- Address of Record Correct? ☒ Yes ☐ No
- If No: Address

3. Beneficial Use Fees have been paid: ☒ Yes ☐ No Receipt No: 98268

4. **SOURCE** **TRIBUTARY**

Spring Lake Creek

Method of Determination: Applicant submitted a topographic map that outlined POD & POU.

Change in Source: ☐ Yes ☒ No

B. OVERLAP REVIEW

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

Water Right No.	Source	Purpose of Use	Basis

Comments: Water right 75-93D is on the Roylance property but does not share the same POU as the home.

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

Water Right No.	Source	Purpose of Use	Basis
75-93D	Stream	Irrigation	Decreed

Comments: Water Right 75-93D is an irrigation right that is being pumped from the same stream POD.

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

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Stream	2		NW	NE	2	19N	21E		Lemhi

Method of Determination: Legal Description in permit validated by PLS data and mapping.

Change in POD? ☐ Yes ☒ No

Amendment Required? ☐ Yes ☒ No

2. **PLACE 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	
19N	21E	2		X															
				L2															

Method of Determination Map of property submitted by land owner identifies POU clearly. Aerial photos show new home.

Change in POU? ☐ Yes ☒ No Amendment Required? ☐ Yes ☒ No☐ 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
Stream	Unk	2	Unk	Unk	Unk

*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 so theoretical not applicable.**E. FLOW CALCULATIONS**☒ Additional Computation Sheets Attached

Measured Method:

According to administrator memo #22, domestic use for 1 home is allowed a flow rate of 0.04 cfs

See the theoretical calculation sheet for a calculated measurement ranging a number of scenarios providing an average flow rate of 0.08 cfs.

Measurement = 0.08 cfs**Permit allowed = 0.04 cfs****License recommend for 0.04 cfs.****F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \underline{\quad} \times 3.5 = \underline{\quad}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \underline{\quad} \times 214 \times 1.9835 = \underline{\quad}$$

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

2. Volume Calculations for Other Uses:
Conditions limit volume use of 13,000 gallons of water per day.

G. PURPOSE OF USE

Irrigation ☐ Yes ☒ No # Stock 0 Domestic # of Homes 1

Other: < >

Change in Purpose of Use? ☐ Yes ☒ No

Method of Determination: <>

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

H. NARRATIVE/REMARKS/COMMENTS

Permit 75-14748 authorized the use of 0.04 cfs from a stream for domestic water purposes. Based on the information provided in the water right file, this qualifies for an in-office field exam.

The application stated that the domestic use was for a new home. From the aerial photo of land provided in the application and recent aerial imagery, I was able to confirm that the new home had been built. Water right 75-93D is an irrigation water right owned by Jason Roylance for property he owns. The place of use is 13.2 acres of land that is just south of the new home. Area of this POU does not intersect with land that may be irrigated under 75-14748.

Diversion was identified by topographic map with the application. A diversion already is registered at this location for 75-93D; Mr. Roylance's irrigation right.

Theoretical calculations for flow were done to verify the ability to supply the requested water rate. Conditions limit volume use of 13,000 gallons of water per day so no volume limits are placed on the license. There were no issues or reasons to request further information.

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	
<u>Totals</u>		0.0 CFS	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 ☒ None

Other: < >

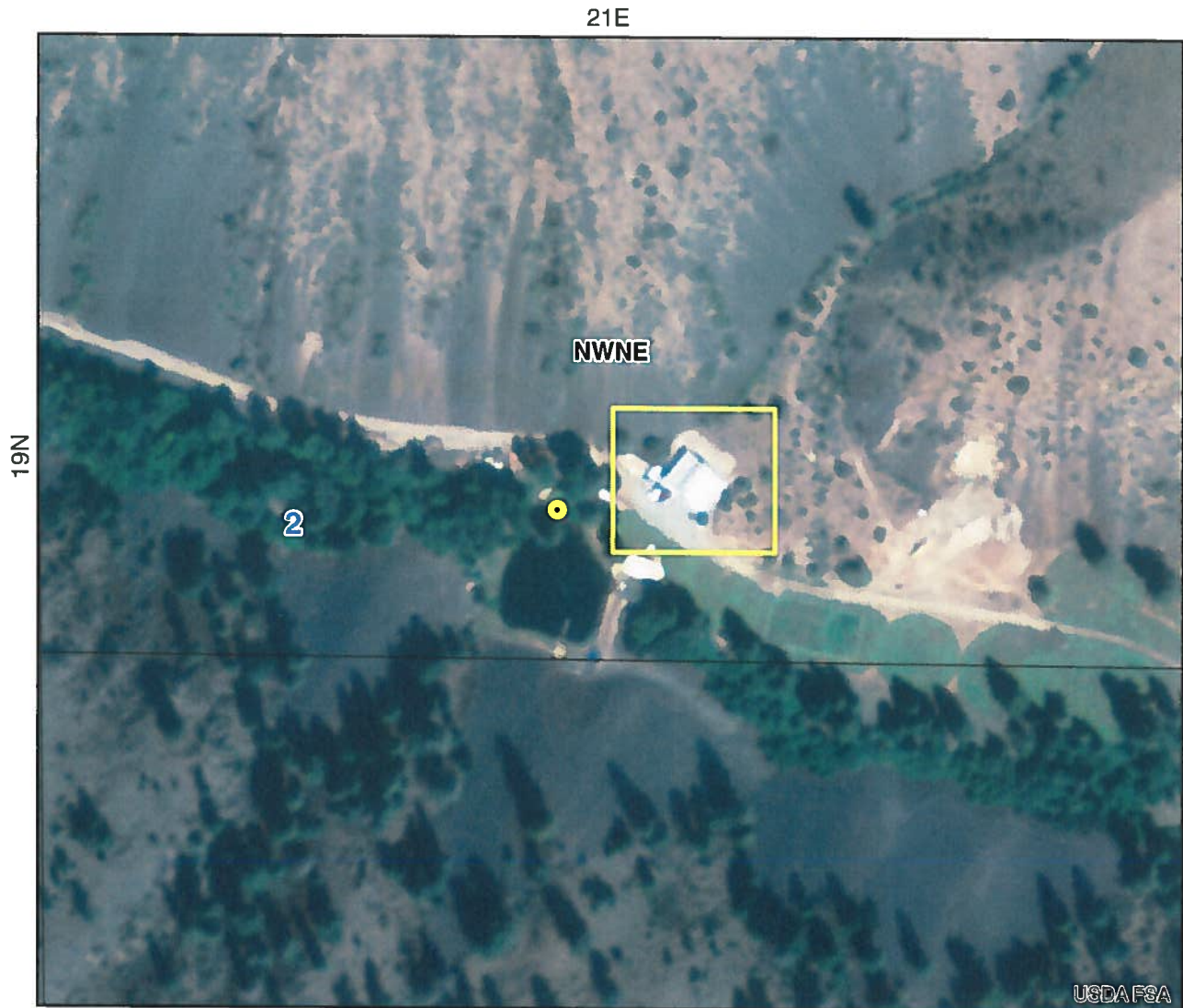
J. AUTHENTICATION

Field Examiner's Name Patricia Wiley Date 03/14/14

Reviewer David H. Miller Date 3-17-14

State of Idaho
Department of Water Resources
Field Exam Map
75-14748

This map depicts the DOMESTIC place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.0225 0.045 0.09 Miles



THEORETICAL HORSEPOWER EQUATION WORKSHEET (cjh 1/92)

Water Right No.: 75-14748
 Reviewer: Patrick Kelly
 Date of Review: 3/14/2014

P/D No.:	Senerio 1	Senerio 2	Senerio 3
PUMP HORSEPOWER	2	2	2
BOOSTER HORSEPOWER	0	0	0
PUMPING LEVEL	45	45	45
DISCHARGE PRESSURE	40	50	60
RATE OF FLOW (cfs)	0.09	0.08	0.07 0.08

The above calculates the formula =

$$Q = \frac{8.8 * (\text{Efficiency}) * \text{hp}}{\text{depth to water} + 2.31 * (\text{psi}) + \text{friction}}$$

Assumptions: %70 efficiency.
 No Friction

Examiners Notes:

Lift was taken from DRG topo map to measure the point of diversion to the place of use or storage tank. Used 40-60 pressure using standard turn on shut off limits for domestic pressure tanks. Average rate of flow is 0.08 cfs. This represents that the permitted 0.04cfs is capable of being supplied to the home.

Process	Basin Sequence	Draft	Owner	Source	POD/ POU	NENE	NWNE	SWNE	SENE	ENNW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Water Right	75-10054	N	PARRISH, GRANT	LAKE CREEK	POD				X													0
Water Right	75-10054	N	PARRISH, GRANT	LAKE CREEK	POU				X													0
Water Right	75-10435	N	MC MILLAN, JERRY L; SMITH,	SPRING	POD	X																0
Water Right	75-10435	N	MC MILLAN, JERRY L; SMITH,	SPRING	POU				X													0
Water Right	75-10499	N	FIRST FEDERAL	SPRING	POD												X					0
Water Right	75-10499	N	FIRST FEDERAL	SPRING	POU												X					0
Water Right	75-10945	N	JOHNSON, HARVEY	SPRING	POD	X																0
Water Right	75-10945	N	JOHNSON, HARVEY	SPRING	POU				X													0
Water Right	75-13040	N	UNITED STATES OF AMERICA ACTING	SPRING	POD								X									0
Water Right	75-13040	N	UNITED STATES OF AMERICA ACTING	SPRING	POU								X									0
Water Right	75-13042	N	UNITED STATES OF AMERICA ACTING	SPRING	POD														X			0
Water Right	75-13042	N	UNITED STATES OF AMERICA ACTING	SPRING	POU														X			0
Water Right	75-13315	N	SALO, WILLIAM MARTIN; SHUMATE, LESLIE MAY	SPRING	POD	X																0
Water Right	75-13315	N	SALO, WILLIAM MARTIN; SHUMATE, LESLIE MAY	SPRING	POU				X													0
Water Right	75-13714	N	CULLEN, PATRICIA; CULLEN, PATRICK	SPRINGS	POD												X					0
Water Right	75-13714	N	CULLEN, PATRICIA; CULLEN, PATRICK	SPRINGS	POU				X													0
Water Right	75-13715	N	BARRETT,	SPRINGS	POD												X					0
Water Right	75-13715	N	BARRETT,	SPRINGS	POU												X					0
Water Right	75-13753	N	UNITED STATES OF AMERICA ACTING	SPRING	POD								X									0
Water Right	75-13753	N	UNITED STATES OF AMERICA ACTING	SPRING	POU								X									0
Water Right	75-13960	N	SALO, WILLIAM M	SALMON RIVER	POD															X		0
Water Right	75-13960	N	SALO, WILLIAM M	SALMON RIVER	POU															15.0		15
Water Right	75-14127	N	MILLER, JEFFERY R; MILLER, LINDA	LAKE CREEK	POD	X																0
Water Right	75-14466	N	BEYELER, BRENDA R; BEYELER, KERRY F	LAKE CREEK	POD	X																0
Water Right	75-14466	N	BEYELER, BRENDA R; BEYELER, KERRY F	LAKE CREEK	POU	0.2																0.2
Water Right	75-14568	N	PENCE, COREY	LAKE CREEK	POD	X																0
Water Right	75-14569	N	SZUMIGALA, CATHERINE	LAKE CREEK	POD	X																0
Water Right	75-14630	N	GLENNEY, ROBERT P	LAKE CREEK	POD	X																0
Water Right	75-14631	N	ADAMS 2000 REVOCABLE TRUST; ADAMS, DARTY CATHLENE; ADAMS, JERRY GRANT	LAKE CREEK	POD	X																0
Water Permit	75-14748	N	ROYLANCE, JASON; ROYLANCE, TEDDY SUE	SPRING	POD		X															0
Water Permit	75-14748	N	ROYLANCE, JASON; ROYLANCE, TEDDY SUE	SPRING	POU		X															0
Water Right	75-2149B	N	WILLOUGHBY, DONNA E	LAKE CREEK	POD	X																0
Water Right	75-2149G	N	PENCE, F CARL; PENCE,	LAKE CREEK	POD	X																0

Water Right	75-2199	N	UNITED STATES OF AMERICA ACTING	CAPPS SPRING NO 1	POD										X							0
Water Right	75-2199	N	UNITED STATES OF AMERICA ACTING	CAPPS SPRING NO 1	POU										X							0
Water Right	75-4400	N	FIRST FEDERAL SAVINGS &	TWELVEMILE CREEK	POU														6.0		6	
Water Permit	75-7427	N	MC MILLAN, JERRY L; SMITH,	LAKE CREEK	POD		X														0	
Water Permit	75-7524	N	MC MILLAN, JERRY L; SMITH,	SPRING	POD	X															0	
Water Permit	75-7524	N	MC MILLAN, JERRY L; SMITH,	SPRING	POU			3.0	3.0												6	
Water Right	75-7524	Y	ROYLANCE, JASON	SPRING	POD			X													0	
Water Right	75-7524	Y	ROYLANCE, JASON	SPRING	POU				5.0												5	
Water Right	75-7567	N	CHRIS DRAKOS ENTERPRISES	SALMON RIVER	POU														13.0		13	
Water Right	75-7653	N	HAWKINS, GARY C	SPRING	POD			X													0	
Water Right	75-7653	N	HAWKINS, GARY C	SPRING	POU												X				0	
Water Right	75-7654	N	SHUMATE, LESLIE MAY	GROUND WATER	POD				X												0	
Water Right	75-7654	N	SHUMATE, LESLIE MAY	GROUND WATER	POU				0.7												0.7	
Water Right	75-93D	N	ROYLANCE, JASON	LAKE CREEK	POD		X														0	
Water Right	75-93D	N	ROYLANCE, JASON	LAKE CREEK	POU	1.4	1.4	1.5	7.5												11.8	

same owner - irrigation