

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

A. GENERAL INFORMATIONPermit No: 75-14466

Exam Date: 02/08/13

1. Does this qualify for an in-office field exam (IDAPA 035.02.r)?
- X
- Y
-
- N

a. Irrigation of 5 acres or less

b. Storage of up to 14.6 AF for stockwater purposes only

c. Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less

d. Other < >

2. Current Owner: Name: Brenda and Kerry Beyeler

Owner of Record Correct? X Y NAddress of Record Correct? X Y N

If No: Address

3. Beneficial Use Fees have been paid:
- X
- Y
-
- N Receipt No: C090073

- 4.
- SOURCE

TRIBUTARY

Lake Creek

Salmon River

Method of Determination: Photos provided by permittee.

Change in Source: Y N**B. OVERLAP REVIEW**

1. Other water rights with the same place of use:
- X
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: 75-14598 & 75-7400 on other side of Salmon River. 75-93D – POU mostly south of Lake Creek. 75-4369 was disallowed as unclaimed in the SRBA on April 25, 2012.

2. Other water rights with the same point of diversion:
-
- NO Overlap

Water Right No.	Source	Purpose of Use	Basis

Comments: 75-7524, 75-10435, 75-10945, & 75-13315 from source Spring. 75-14127, 75-14568, 75-14569, 75-14630, 75-14631, 75-2149B, & 75-2149G are for a ditch diversion nearby.

C. DIVERSION AND DELIVERY SYSTEM

- 1.
- LOCATION OF POINT(S) OF DIVERSION:

Source	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.		County
Lake Creek	1		NE	NE	2	19N	21E	B.M.	Lemhi
								B.M.	
								B.M.	

Method of Determination: Photos provided by permittee.

Change in POD? Y N Amendment Required? Y N

- 2.
- PLACE OF USE:
- Use: Irrigation

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	1						0.6											0.6
		Lot #						5											
19N	21E	2	0.2																0.2
		Lot #	1																
Total Acres =																			0.8

Method of Determination: GIS Imagery. Less than permitted.

Change in POU? ☒ X ☐ N Amendment Required? ☐ ☐ N

☐ 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
	A.O. Smith	1.5	C48L2EC11C3	ACE	ESP-150A

*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:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

0.02 cfs = 1 inch per acre (IDWR standard) 0.8 acres(0.02 cfs) = 0.016 cfs at 1 inch per acre

Per App. Processing Memo #17, up to 0.03 cfs/acre for irrigation up to 5 acres acceptable. 0.8 acres(0.03 cfs) = 0.024cfs

Per original application – pump to 2" pipe. $Q = 5(3.14)((2/12)/2)^2 = 0.11$ cfs

1.5 hp pump. Per IDWR standard: Assume pump efficiency = 0.7 (70%) and PSI = 30psi for small irrigation. Lift estimated from Contour Elevations (GIS visual, 40 ft. min. unit) between pump and field = 40.

$Q = (8.8 \times \text{HP} \times \text{EFF}) / (\text{Lift} + (\text{PSI} \times 2.31)) = (8.8 \times 1.5 \times 0.7) / (40 + (30 \times 2.31)) = 0.08$

Measurement = **0.024 cfs**

Permit allowed = 0.03 cfs

License recommend for **0.024 cfs.**

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.8 \times 3.5 = 2.8$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.024 \times 214 \times 1.9835 = 10.4$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.8$$

2. Volume Calculations for Other Uses:

G. PURPOSE OF USE

Irrigation ☒ Y ☐ N # Stock _____ Domestic # of Homes _____

Other: < >

Change in Purpose of Use? ☐ Y ☒ N

Method of Determination: Irrigated field visible on GIS Imagery.

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

H. NARRATIVE/REMARKS/COMMENTS

- In Wild and Scenic Watershed: Salmon River Excluding Middle Fork
- Prior to diversion of water under this right, the right holder shall install a lockable device, subject to the approval of the Department, in a manner that will provide the watermaster suitable control of the diversion. see pictures provided by permittee showing electrical box can be locked.
- The right holder shall install or construct a straight length of conduit or ditch suitable for installation of a device for measuring the entire flow of water being diverted in connection with this right. If the right holder uses conduit, the straight length of conduit shall be at least ten times the diameter of the conduit and shall be above ground or otherwise easily accessible. - see pictures provided by permittee showing pump and delivery system.
- 029 – Fish and Game Screening – see pictures provided by permittee showing screen.

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

I. RECOMMENDATIONS

1. Recommended Amounts

BENEFICIAL USE	PERIOD OF USE	DIVERSION RATE	ANNUAL VOLUME
Irrigation	04/01 to 10/31	0.024 CFS	2.8 AF
<u>Totals:</u>		0.024 CFS	2.8 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: < >

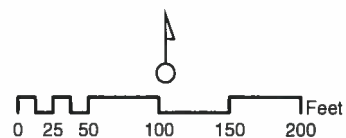
J. AUTHENTICATION

Field Examiner's Name  Date 06/19/13Reviewer  Date 6-21-2013

SESE 5

20N21E

75-74466



D. Favreau

06/19/13

NENE 1

NWNW 5

2

19N21E

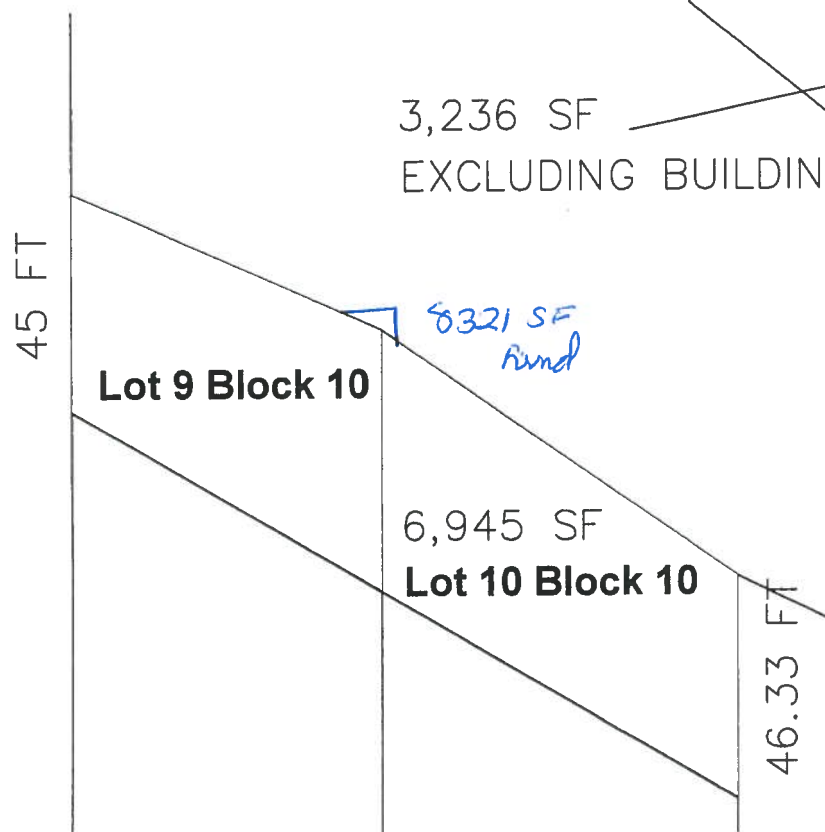
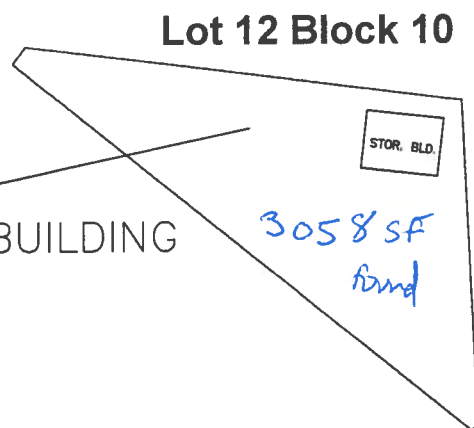
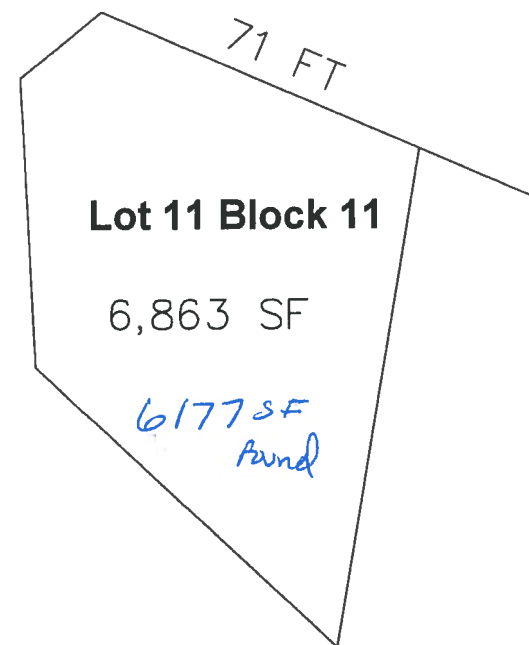
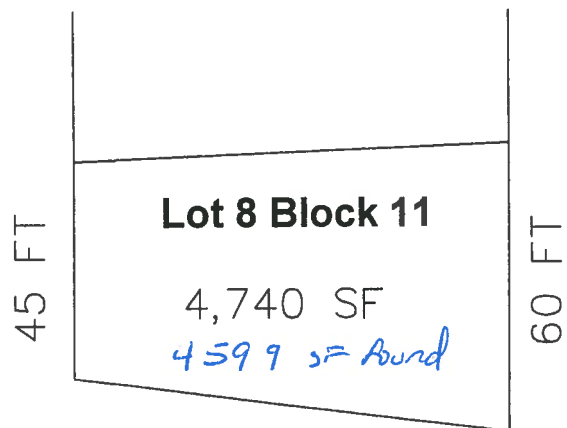
NWSW

1

SWNW 6

SENE

SWNW 7



<i>4599</i>	4,740 SF
<i>6177</i>	6,863 SF
<i>14927</i>	24,872 SF
<i>8321</i>	6,945 SF
<i>3058</i>	3,236 SF
<u><i>37082</i></u>	<u>46,656 SF</u>
<i>0.80 AC</i>	
	APPROX. 1.07 ACRES

SCALE 1" = 40'

130 FT

Lot 5 Block 10

165.78 FT

145.78 FT

Lot 6 Block 10

24,872 SF

75 FT

Lot 7 Block 10

10 FT

*14927 SF
Found*

SCALE 1" = 40'

[illegible]

Process	Basin Sequence	Draft	Owner	Source	POD/POU		NENE	NWNE	SWNE	SENE	NENW	NWNW	SWNW	SENW	NESW	NWSW	SWSW	SESW	NESE	NWSE	SWSE	SESE	Total Acres
Adjudication Recommendation	75-7434		BAILEY, JOE A; BAILEY, LESLIE A	SPRING	POU											X	X						0
Water Permit	75-7427	N	MC MILLAN, JERRY L; SMITH, CHRISTINE G	LAKE CREEK	POU								X										0
Water Permit	75-7596	N	ROBERSON, LEE A	SPRING	POU						X												0
Water Right	75-10028	N	HANSEN, ADELE; HANSEN, MARK R	GROUND WATER	POU								X										0
Water Right	75-10037	N	HUTCHINGS, MARVIN C	GROUND WATER	POU						X												0
Water Right	75-10242	N	RHODES, KATHE S; RHODES, KENT T	GROUND WATER	POU			X															0
Water Right	75-10423	N	CHRIS DRAKOS ENTERPRISES INC	GROUND WATER	POU											X							0
Water Right	75-10499	N	FIRST FEDERAL AMERICA BANK	SPRING	POU																		0
Water Right	75-11622	N	ROBERSON, CAROLYN J; ROBERSON, LEE A	SPRING	POU						X												0
Water Right	75-13044	N	UNITED STATES OF AMERICA ACTING THROUGH	SPRING	POU															X			0
Water Right	75-13277	N	UNITED STATES OF AMERICA ACTING THROUGH	UNNAMED STREAM	POU										X			X			X		0
Water Right	75-4112	N	NASH , MARSHA; NASH , MARTIN L	TWELVEMILE CREEK	POU			X															0
Water Right	75-7400	N	TWITO, DON; TWITO, KEN	SALMON RIVER	POU						X	X	X										0
Water Right	75-7434	N	CHRIS DRAKOS ENTERPRISES INC	SPRING	POU											X	X						0
Water Permit	75-14466	N	BEYELER, BRENDA R; BEYELER, KERRY F	LAKE CREEK	POU							0.7											0.7
Water Right	75-93D	N	ROYLANCE, JASON	LAKE CREEK	POU							0.4	0.9										1.3
Water Right	75-7013B	N	PHILLIPS, JANICE; PHILLIPS, LUTHER	SPRINGS	POU								1.8										1.8
Water Right	75-4374	N	MC DONALD, M L; MC DONALD, ULA	TWELVEMILE CREEK	POU			3.0															3
Water Right	75-7496	N	MC DONALD, M L; MC DONALD, ULA	UNNAMED STREAM	POU			3.0															3
Water Right	75-7013A	N	HANSEN, ADELE; HANSEN, MARK R	SPRINGS	POU								3.9										3.9
Water Permit	75-7374B	N	MARTENS, EVA; MARTENS, KENNETH J	TWELVEMILE CREEK	POU			4.3															4.3
Water Right	75-14428	N	RHODES, KATHE S; RHODES, KENT T	TWELVEMILE CREEK	POU			4.3															4.3
Water Right	75-7374B	Y	RHODES, KATHE S; RHODES, KENT T	TWELVEMILE CREEK	POU			4.3															4.3
Water Right	75-14598	N	HUTCHINGS, IRENE; HUTCHINGS, MARVIN C	TWELVEMILE CREEK	POU						1.3	3.6											4.9
Water Right	75-4506B	N	ELLIS, CAROL J; ELLIS, RICHARD H	TWELVEMILE CREEK	POU			5.0															5
Water Right	75-701S	N	ROBERSON, CAROLYN J; ROBERSON, LEE A	TWELVEMILE CREEK	POU						5.0												5
Water Right	75-4387	N	RACKHAM, EUGENE	SPRING, TWELVEMILE CREEK	POU								6.0										6
Water Right	75-4399A	N	LUCE, SANDRA; LUCE, TOMMY F	TWELVEMILE CREEK	POU						6.0												6
Water Right	75-14167	N	LUCE, SANDRA; LUCE, TOMMY F	TWELVEMILE CREEK	POU						6.5												6.5
Water Right	75-14148	N	DEUTCHMAN, ADAM; DEUTCHMAN, ELLA	TWELVEMILE CREEK	POU		2.8	4.4															7.2
Water Right	75-4331	N	CAPPS, ROBERT GILBERT	TWELVEMILE CREEK	POU								5.0			5.0							10
Water Right	75-7567	N	CHRIS DRAKOS ENTERPRISES INC	SALMON RIVER	POU												10.0						10
Water Right	75-4369	N	FIRST FEDERAL SAVINGS & LOAN ASSN	TWELVEMILE CREEK	POU						6.0	11.0											17
Water Permit	75-7374A	N	FIRST FEDERAL SAVINGS & LOAN ASSN	TWELVEMILE CREEK	POU		14.0	5.7			5.0												24.7
Water Right	75-4400	N	FIRST FEDERAL SAVINGS & LOAN ASSN	TWELVEMILE CREEK	POU										20.0		24.0						44
19N21E	sec. 1																						

[illegible]