

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 75-7564

Exam Date: 8/6/2012

1. Current Owner: GERALD WASHBON
And
JUDITH WASHBON
1452 HWY 93 SOUTH
SALMON ID 83467
2. Accompanied by: Gerald Washbon
Phone No: (208) 894-4578
Address: 1452 Highway 92 South; Salmon, ID 83467
Relationship to Permit Holder: Current land owner
3. SOURCE TRIBUTARY
SALMON RIVER SNAKE 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 SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

SALMON RIVER L5 NW1/4SE1/4 Sec. 14, Twp 19N, Rge 21E, B.M. LEMHI County

Method of Determination: GPS and Visual Inspection

2.

<u>PLACE OF USE:</u>			IRRIGATION																
Twp	Rge	Sec	NE				NW				SW				SE				
			<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>	<u>Totals</u>
19N	21E	14														3.5			3.5
Total Acres:			3.5												L 5				

Method of Determination: GIS Mapping and Visual Inspection.

3. YES Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
YES Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
YES Aerial Photo Attached
YES Photo of Diversion and System Attached

4.

4.

Well or Diversion Identification No.	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	Century	5	P134 182808	Monarch Industrial	NSPHE 500 Serial # 2094

D. FLOW MEASUREMENTS

1. none

Measurement Equipment

TypeMakeModel No.Serial No.SizeCalib. Date

2. Measurements: none taken because the pump was not hooked up to the system

E. FLOW CALCULATIONSX Additional Computation Sheets Attached

Measured Method: Theoretical calculation = 0.2 cfs

Permit allows 1.6 cfs

3.5 acres X 0.02 = 0.07

Recommended flow 0.07 cfs**F. VOLUME CALCULATIONS**

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.5 \times 3.5 = 12.25$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.07 \times 214 \times 1.9835 = 29.7$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 12.25 \text{ AFA}$$

2. Volume Calculations for Other Uses: none

G. NARRATIVE/REMARKS/COMMENTS

A pump in T19N R21E Section 14, NWSE, supplies Salmon River water to 3.5 acres in Lemhi County. Water leaves the river, in a pipe under highway 93 to a T on the south side of the road. From this junction a mainline along the west side of the property delivers water to movable hand line around the house and to the south and east of the house.

The original permit encompassed 8 acres, including the 3.5 for this permit and an addition 4 to the south of the current place of use. Water right 75-14154 covers the 4 acres of land that belongs to Antoinette Aoutz-Conreras. Both 75-7564 and 75-14154 receive water from the Salmon River, from two separate points of diversion.

Have conditions of permit approval been met? X Yes _____ No**H. RECOMMENDATIONS****1. Recommended Amounts**BENEFICIAL USEPERIOD OF USEDIVERSION RATEANNUAL VOLUME

IRRIGATION

04/01 to 11/01

0.070 CFS

Totals:

0.070 CFS

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 Suma Tail Date 2/6/2013

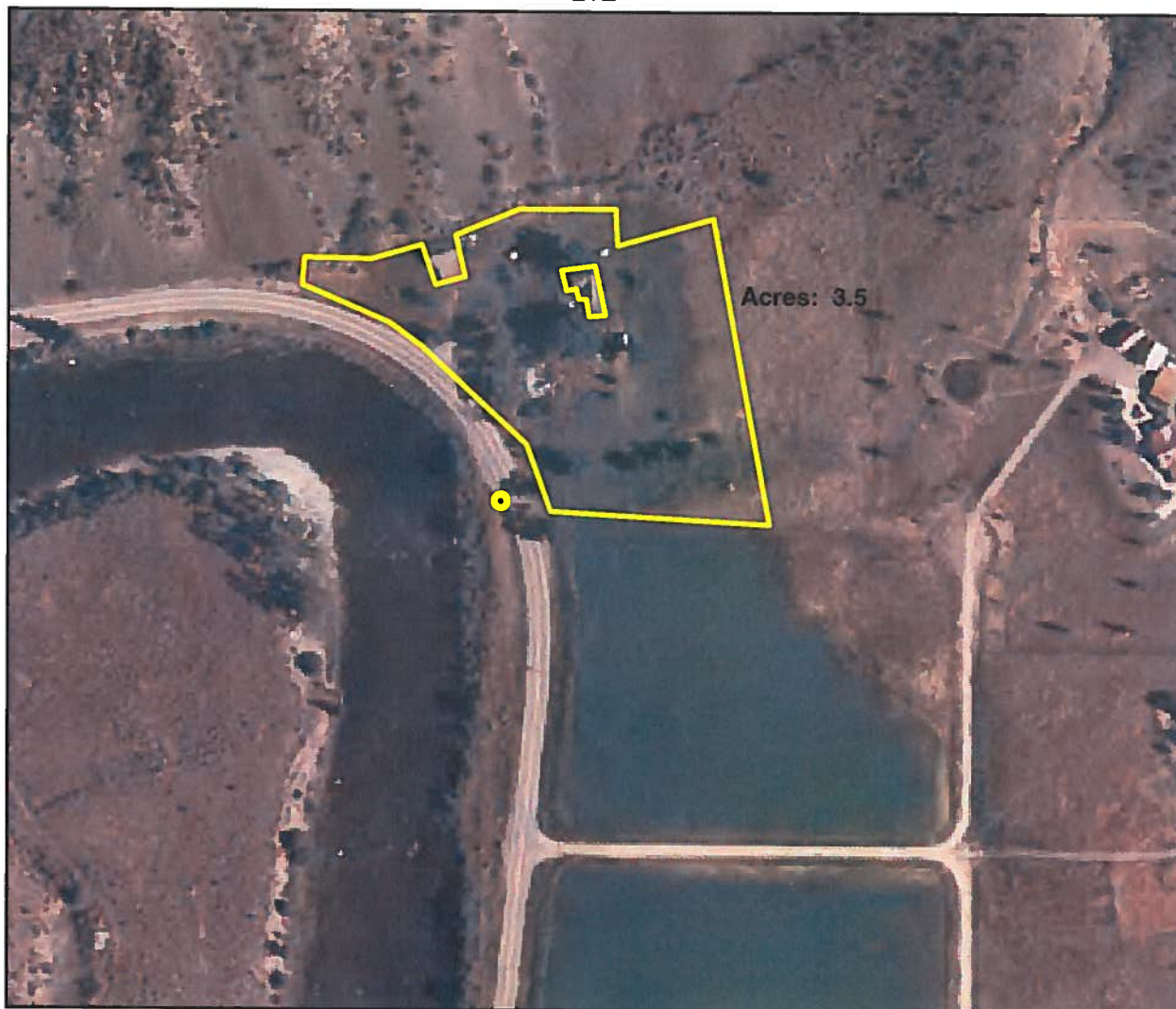
Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Water Right License
75-7564

This map depicts the RECREATION 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.

21E

19N



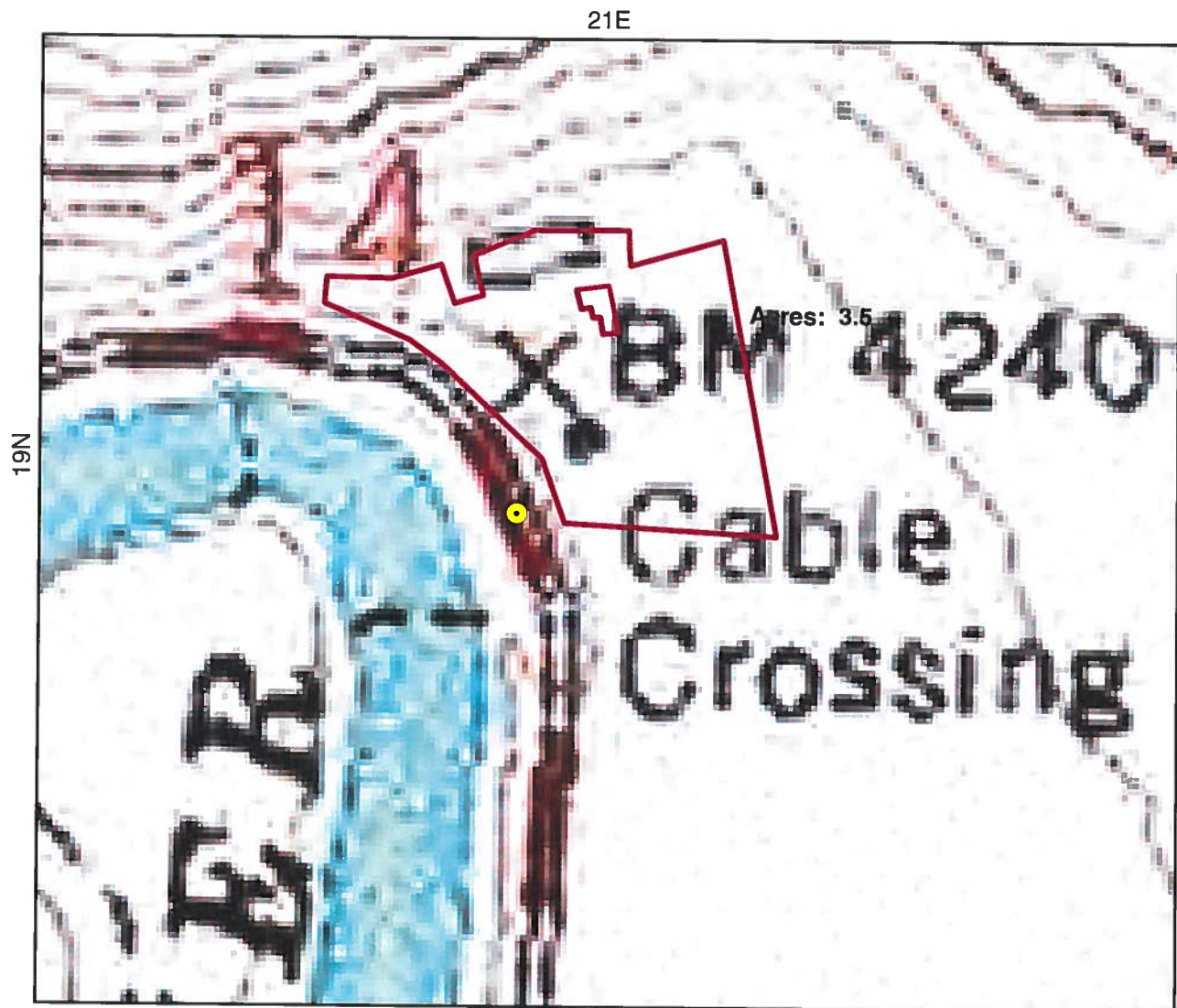
- Point of Diversion
- Place Of Use Boundary



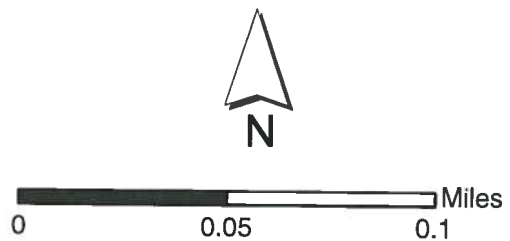
0 0.05 0.1 Miles

State of Idaho
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- Point of Diversion
- Place Of Use Boundary



Water Distribution System Water Right 75-7564



A pump in T19N R21E Section 14, NWSE, shown above as a red dot, supplies Salmon River water to 3.5 acres in Lemhi County. Water leaves the river, with an elevation gain of 20 feet, in a pipe under highway 93 (black dashed line) to a T on the south side of the road. From this junction a mainline along the west side of the property delivers water to movable hand line around the house and to the south and east of the house.

THEORETICAL ANALYSIS

FILE: 75-7564

DATE: February 5, 2013

BY: Sandy Thiel

THEORETICAL RATE OF FLOW: $Q = \frac{(8.8 \times (HP) \times (EFF.))}{TDH}$

Q = CFS

HP = Total Brake Horsepower of pumping plant (including booster)

Eff. = Pumping plant efficiency (assume 70% or 0.70)

TDH = Total dynamic head = [(LIFT) + (PSI X 2.31)]

LIFT = Depth to water in FEET from land surface to pumping water level

PSI = Pumping pressure measured in PSI near pump (if open discharge assume [0])

$$Q = \frac{(8.8) \times (\underline{5 \text{ hp}}) \times (0.70)}{[(\underline{10}) + (\underline{62 \text{ psi}} \times 2.31)]} = \underline{0.2 \text{ cfs}}$$

$$[(\underline{10}) + (\underline{62 \text{ psi}} \times 2.31)] = 153.22$$

LIFT FROM:

Measurement ()

Owner (X)

Area estimate ()

Well Logs ()

PSI FROM:

Measurement ()

Owner (X)

Estimate (X)

Owner Gage ()

Booster (N)

NOTES ON PUMP:

Motor Make, Serial or ID

Century P134

Pump Make, Serial or ID, rating

Monarch Industrial Serial # 2094

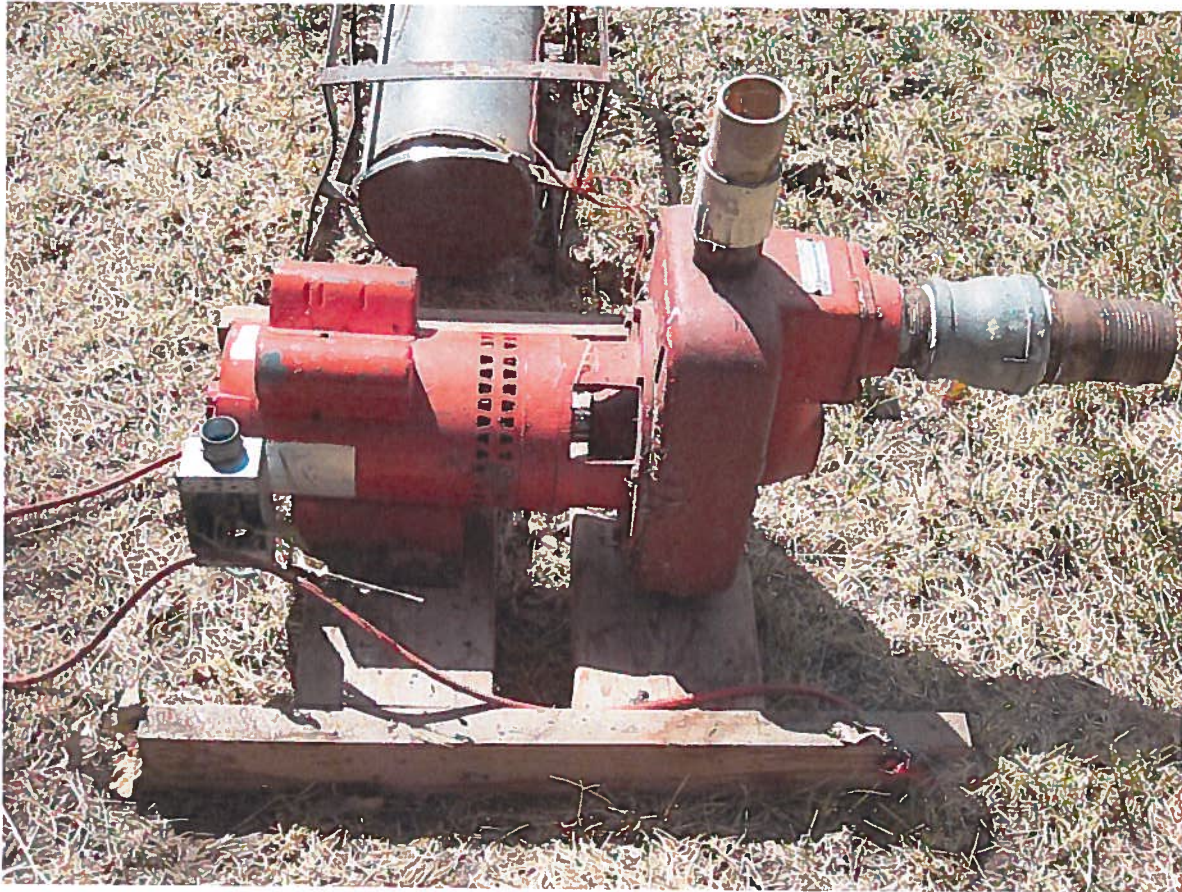
REMARKS: The pump was not operating at the time of the field exam.

PHOTOGRAPHER AND DATE OF PHOTOS: Sandy Thiel, August 6, 2012
FILE NUMBER: 75-7564

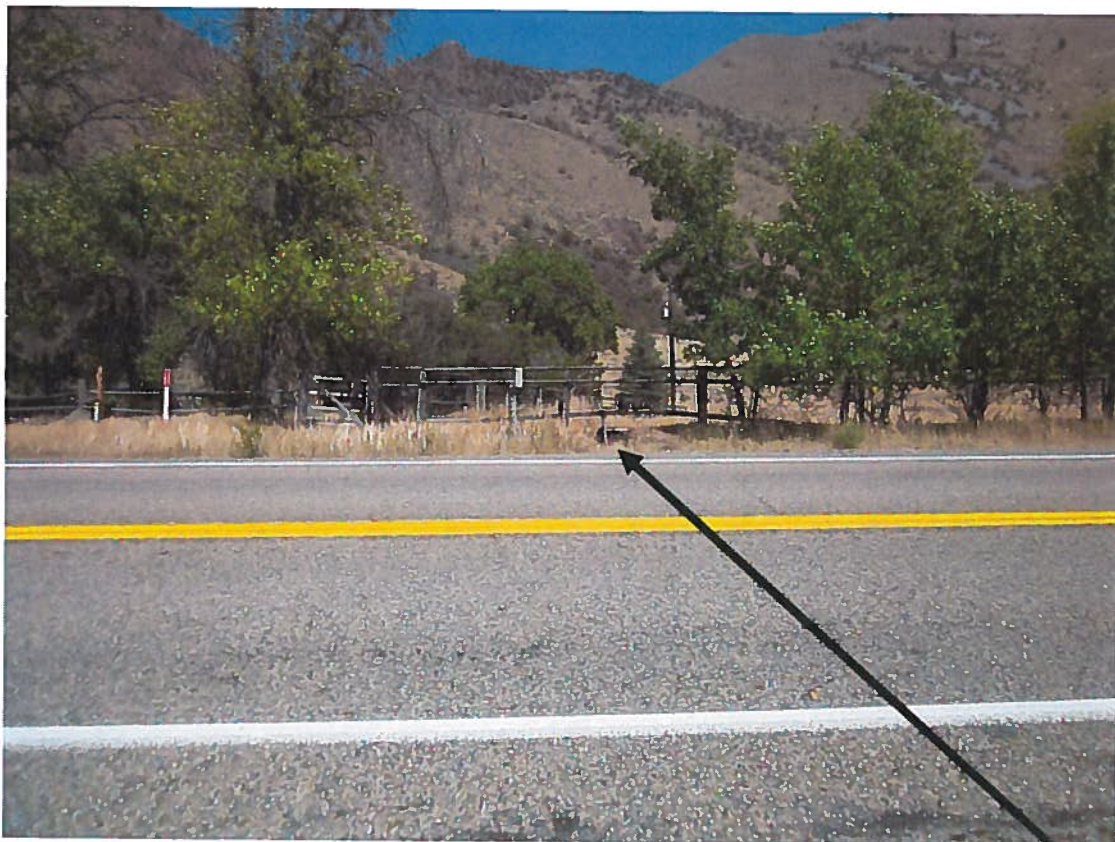


Pipe along the banks of the Salmon River





The pump, shown above, was not in use during the field exam



The pipe from the river flows under Highway 93 to the distribution system on the south side of the road





Irrigated front yard, pasture and driveway on the northwest edge of the property

Sprinkler Pipe

House