

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES  
**BENEFICIAL USE FIELD REPORT**

**A. GENERAL INFORMATION**

**Permit No:** 75-14780  
**Exam Date:** 6/20/2018

1. Current Owner:  
LAWRENCE FIORI 8 ROSE LN SALMON ID 83467 AND  
LEE FIORI 8 ROSE LN SALMON ID 83467

2. Accompanied by: Larry Fiori  
Phone No: 208-894-2293  
Address: above  
Relationship to permit Holder: self

3. **SOURCE:**  
SALMON RIVER

**Tributary**  
SNAKE RIVER

**Method of Determination:** site visit

**B. OVERLAP REVIEW**

1. Other water rights with the same place of use: YES Overlap

| Water Right No. | Source       | Purpose of Use | Basis  |
|-----------------|--------------|----------------|--------|
| 75-10405        | Ground water | Domestic       | Decree |
|                 |              |                |        |

Comments: Diverted from domestic well. Domestic well is also used for less than ½ ac irrigation around home, and for stockwater.

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

| Water Right No. | Source | Purpose of Use | Basis |
|-----------------|--------|----------------|-------|
|                 |        |                |       |
|                 |        |                |       |

Comments:

**C. DIVERSION AND DELIVERY SYSTEM**

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

SALMON RIVER L8 ( SW¼ SE¼), Sec. 27, Twp 19N, Rge 21E, B.M. LEMHI County

Method of Determination: site visit, GPS

**PLACE OF USE:** IRRIGATION

| Twp | Rng | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |           |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW        | SE |        |
| 19N | 21E | 27  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3.0<br>L8 |    | 3.0    |

Total Acres: 3.0

**PLACE OF USE: STOCKWATER**

| Twp | Rng | Sec | NE |    |    |    | NW |    |    |    | SW |    |    |    | SE |    |         |    | Totals |
|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|----|--------|
|     |     |     | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW | SE | NE | NW | SW      | SE |        |
| 19N | 21E | 27  |    |    |    |    |    |    |    |    |    |    |    |    |    |    | X<br>L8 |    |        |

Method of Determination: site visit, aerial image, digitized shape

3.

Delivery System Diagram Attached (required). Indicate all major components and distances between components.

X 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

X 1:24,000 or greater.X Aerial Photo Attached (required for irrigation of 10+ acres).X Photo of Diversion and System Attached

4.

| Well or Diversion ID No.* | Motor Make | Hp | Motor Serial No. | Pump Make | Pump Serial No. or Discharge Size |
|---------------------------|------------|----|------------------|-----------|-----------------------------------|
|                           | A O Smith  | 3  | 2E02             |           | 1.5 inch                          |

**D. FLOW MEASUREMENTS**

1.

| Measurement Equipment | Type       | Make | Model No. | Serial No. | Size  | Calib. Date |
|-----------------------|------------|------|-----------|------------|-------|-------------|
| Flow meter            | Ultrasonic | Fuji | Portaflow | 240335     | FLD12 | 4/2018      |

2. Measurements: 43 gpm or 0.095 cfs direct read from flow meter

**E. FLOW CALCULATIONS**

Additional Computation Sheets Attached

Measured Method:

**F. VOLUME CALCULATIONS**

1. Volume Calculations for irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3 \times 3.5 = 10.5 \text{ AF}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.1 \times 214 \times 1.9835 = 42.4 \text{ AF}$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 10.5 \text{ AF}$$

2. Volume Calculations for Other Uses:

Stock water – 2 horses. From stock tables, 0.2 AF

**G. NARRATIVE/REMARKS/COMMENTS**

Diversion system is a 3 HP electric powered centrifugal pump with 1.5-inch discharge, mounted on a wheeled cart and used to withdraw water directly from the Salmon River to 1.5-inch HDPE mainline. Mainline is on land surface. Four in-line "pod" sprinklers on 1.25-inch line exit the north end of the mainline and are moved about in the pasture east of the home. At intervals along the mainline, hose bibs and splitters are installed so that hoses and individual sprinklers may be positioned where needed around the house. At the time of the field exam, a total of 12 impact-type sprinklers were being operated from the pump. A portable Fuji ultrasonic meter was used to take a measurement on the poly pipe below the pump discharge. Volumetric data are unable to be downloaded from this meter, so an average instantaneous flow was read directly from the meter display. The meter was allowed to operate for about 20 minutes. Average flow during the observation period was 43 gallons per minute. There was no pressure gage on the system which could be used to help verify the measurement, so measurement was compared with a theoretical discharge. A standard yard sprinkler at 35 psi will discharge about 4 gallons per minute. The in-line pod sprinklers were nozzled slightly smaller at about 2 gpm, according to the water user. The total theoretical discharge of the 12 sprinklers at these rates (8 @ 4 gpm, 4 @ 2 gpm) is 40 gpm. The 43 gpm measurement is realistic for this system.

Less than ½ acre, located immediately around and to the southwest of the house, may also be irrigated from the domestic well. This area is also irrigated with the Salmon River pump. The license should be conditioned to limit total combined irrigation under 75-10405 and 75-14780 to 3 acres.

No livestock were present at the time of the visit but 2 horses had been kept on the property a few years before (between 2014 and 2018). A round pen and livestock shelter were in place. When livestock are present, stock tanks are filled from the mainline while the river pump is running. This limits the stockwater season of use to the irrigation season.

All identified acres are irrigated, and the system is fully developed. Since permit was issued at 0.03 cfs/acre for irrigation use, the diversion rate for licensing is calculated at the same rate per acre. Due to the measured system flow, the irrigation and stockwater rate components are not additive, but the volume components may be.

Taxlot layer in Lemhi county is skewed. Water right shape depicts actual irrigated acreage on Fiori's property.

Lockable condition: The portable pump does not have a control valve. However the power source for the pump is switched, and the pump is controlled at a box near the deck. The power switch may be secured in the "OFF" position.

Have conditions of permit approval been met?  X  Yes   No

**H. RECOMMENDATIONS****1. Recommended Amounts**

| <u>Beneficial Use</u> | <u>Period of Use</u> | <u>Rate of Diversion</u> | <u>Volume</u> |
|-----------------------|----------------------|--------------------------|---------------|
| IRRIGATION            | 04/01 to 10/31       | 0.09 CFS                 | 10.5 AF       |
| STOCKWATER            | 04/01 to 10/31       | 0.02 CFS                 | 0.2 AF        |

**Totals:**                      0.09 CFS                      10.7 AF

**2. Recommended Amendments**

\_\_\_\_\_ Change P.D. as reflected above      \_\_\_\_\_ Add P.D. as reflected above        X   None

\_\_\_\_\_ Change P.U. as reflected above      \_\_\_\_\_ Add P.U. as reflected above        X   None

**I. AUTHENTICATION**      Cindy Yenter - Analyst 4

Field Examiner's Name    Cindy Yenter

Date    5/27/2021

Reviewer \_\_\_\_\_ Date \_\_\_\_\_

FIORI,  
ANTHONY F  
REVOCABLE

75-14780

WOOTTON,  
SCOTT WAYNE

1.5-inch main

1.25-inch pod line

FIORI,  
LAWRENCE M

POD

POU 3 ac

Salmon River

Rose Ln

Rose Ln

US Hwy 93

SANDSTROM,  
RAY

CALKINS,  
RICHARD  
R JR AND





75-14780

TWIN PEAKS  
GUEST  
RANCH LLC

SESW 7

FIORI, ANTHONY  
F REVOCABLE

SWSE 7

POD

19N21E

POU 3 ac

FIORI,  
LAWRENCE M

Domestic well

CALKINS,  
RICHARD R  
JR AND

SWSE 8

HIGLEY,  
HAROLD

NENW 2

BLM NWNE 2

NWNE

34

NWNE 1

SANDSTROM,  
RAY NENE

NESW

BLM

NWSE 10

NWSE 9

NWSE

NWSE 5

NESE 5

US Hwy 93

Rose Ln

Salmon River

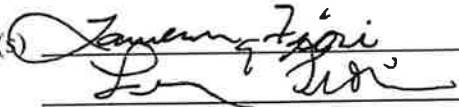
SESE

SANDSTROM,  
RAY

The USDA-PCA Aerial Photography Field office asks to be credited in derived products.

STATE OF IDAHO  
DEPARTMENT OF WATER RESOURCES**CHANGE IN ADDRESS**

This form can be used to notify the Department of a change in  
address of the owners of record for the listed water rights.  
(Please print or type)

Water Right Number(s): 75-14780, 75-10405Name(s): Lawrence Fiori  
Lee FioriOld Mailing Address: 20095 Paseo Montana  
Murreita CA 92562New Mailing Address: 8 Rose Lane  
Salmon ID 83467Telephone Number: 208-894-2293Email: larryfiori242@gmail.comSignature(s) of Owner(s)   
(Include your title if on behalf of company or organization.)Date: 5-26-2021

Send a signed original to your closest regional office:

IDWR Northern Region  
7600 N. Mineral Dr., Suite 100  
Coeur d'Alene, ID 83815-7763  
(208) 762-2800IDWR Western Region  
2735 Airport Way  
Boise, ID 83705-5082  
(208) 334-2190IDWR Eastern Region  
900 N. Skyline Dr., Suite A  
Idaho Falls, ID 83402-1718  
(208) 525-7161IDWR Southern Region  
650 Addison Ave W, Suite 500  
Twin Falls, ID 83301-5858  
(208) 736-3033