

Permit No: 75-7654

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 75-7654

Exam Date: 8/8/2012

1. Current Owner: LESLIE MAY SHUMATE
139 LAKE CREE RD
SALMON ID 83467
(208)756-2042

2. Accompanied by: Leslie Shumate

Phone No: Same as above

Address: Same as above

Relationship to Permit Holder: Permit holder

3. **SOURCE**

TRIBUTARY

GROUNDWATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 75-13315 (domestic)

2. Other water rights with the same point of diversion: None

C. DIVERSION AND DELIVERY SYSTEM

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

GROUNDWATER SE1/4NE1/4 Sec.2, Twp 19N, Rge 21E, B.M. LEMHI County

Method of Determination: GPS and visual inspection

2. **PLACE OF USE:** IRRIGATION, STOCKWATER AND DOMESTIC

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
19N	21E	02													X				
Total Acres: .8																			

Method of Determination: Visual inspection and GIS

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 (required for irrigation of 10+ acres).

Yes Photo of Diversion and System Attached

4.

4. Diversion identification number: Site Tag# D0000311

D. FLOW MEASUREMENTS

1. Measurement Equipment: Bucket

2. Measurements: 5 gallon bucket and a stop watch

3 measurements average of 34 seconds to fill the 5 gallon bucket

34 X 12 = 408

E. FLOW CALCULATIONS

Measured Method: 5 gallon bucket and a stop watch

Average 409 gallons per minute

$$408 \times 0.00223 = 0.9 \text{ cfs}$$

Permit allows 0.84 cfs

$$0.7 \text{ acres} \times 0.02 = 0.014$$

Recommended diversion amount for domestic: 0.02 cfs

Total recommended amount 0.02 cfs

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 0.7 \times 3.5 = 2.4 \text{ annual acre feet.}$$

$$V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.8 \times 216 \times 1.9835 = 342.74$$

$$V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} = 2.4 \text{ annual acre feet}$$

2. Volume Calculations for Other Uses:

$$2 \text{ horses at } 12 \text{ gallons per day} = 24 \text{ gallons per day} \times 365 = 8,760$$

$$(2 \times 12 \times 365) / 325,850 = 0.02 \text{ AF per year}$$

G. NARRATIVE/REMARKS/COMMENTS

The water for this permit is diverted from a well on the west side of the property, on the hillside above the house in T19N R21E S2 SENE. A hose travels east, approximately 20 feet down the hill to provide water for 0.7 acres including the lawn around the house and a pasture for two horses. There is a 3,000 gallon tank that serves as storage for domestic water in the garage attached to the house. The domestic and irrigation systems are interconnected.

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>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
DOMESTIC	01/01 to 12/31	0.020 CFS	0.6 AF
STOCKWATER	01/01 to 12/31	0.020 CFS	0.1 AF
IRRIGATION	04/15 to 10/15	0.020 CFS	
<u>Totals:</u>		0.060 CFS	

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 Other

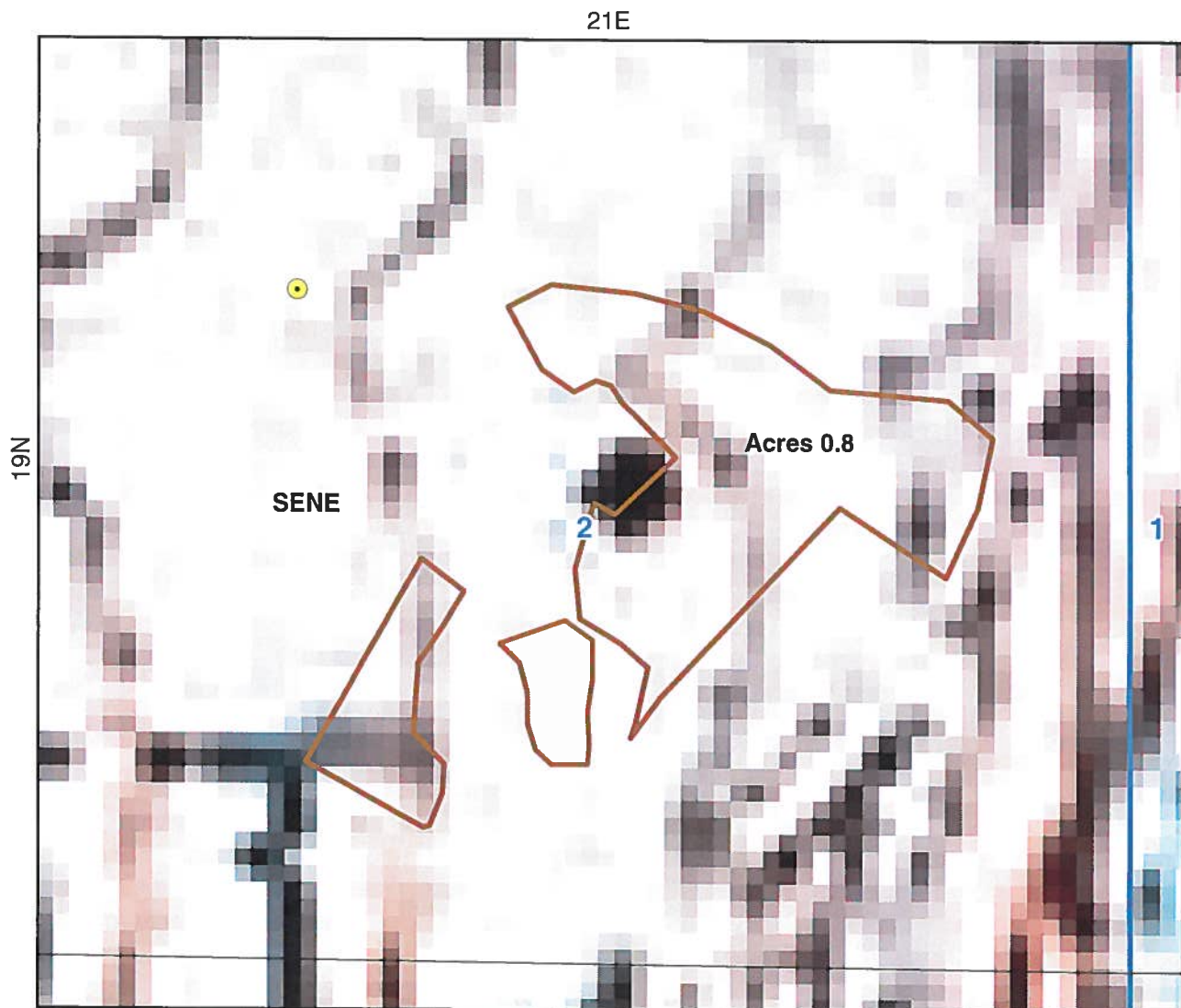
I. AUTHENTICATION

Field Examiner's Name Sandra B. [Signature] Date 1/18/2013

Reviewer _____ Date _____

State of Idaho
Department of Water Resources
Water Right License
75-7654

This map depicts the IRRIGATION 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 0.02 0.04 0.06 Miles

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0 0.02 0.04 Miles

Water Distribution System Water Right 75-7654



The water for irrigation is diverted from a well (shown as a red dot above) on the west side of the property, on the hillside above the house in T19N R21E S2 SENE. A hose (black line with arrows) travels east, approximately 20 feet down the hill to provide water for 0.8 acres including the lawn around the house and a pasture for two horses. The green line represents the irrigation hose on the lawn and pasture. There is a 3,000 gallon tank that serves as storage for domestic water in the garage attached to the house. The domestic and irrigation systems are interconnected.



The well is located approximately 20 feet above the house and pasture.



Tag attached to the well



This image shows the north edge of the pasture on the east side of the house.



The above photo shows the southern edge of the lawn



Yard and pasture looking from the house deck toward the river



The 3,000 gallon tank for domestic water storage is in a room off the attached garage.