

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 11-7434

Exam Date: 9/22/2011

1. Current Owner: JEFF MIDDLETON
1124 3RD AVE
SALT LAKE CITY UT 84103
(208)622-8897

2. Accompanied by: No contact made.

Phone No:

Address:

Relationship to Permit Holder:

3. SOURCE

SPRING

TRIBUTARY

SINKS

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:**

SPRING

SW1/4NE1/4NE1/4

Sec. 18, Twp 12S, Rge 43E, B.M.

BEAR LAKE County

Method of Determination: Aerial Photo.

2.

PLACE OF USE: RECREATION STORAGE

Twp	Rge	Sec	NE				NW				SW				SE				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	Totals
12S	43E	18	X																

Method of Determination: Aerial Photo

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. 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 1:24,000 or greater.
- ☒ Aerial Photo Attached (required for irrigation of 10+ acres).
- ☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion ID No.*</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
N/A					

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement Equipment</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>

2. Measurements: N/A

E. FLOW CALCULATIONS

____ Additional Computation Sheets Attached

Measured Method: N/A Spring was not flowing during site visit.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

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

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

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

2. Volume Calculations for Other Uses:

$$\text{Surface Area} \times \text{Maximum Depth} \times 0.4 = \text{Capacity}$$

$$(0.25 \text{ acre} + 0.2 \text{ acre}) \times 5.5 \text{ feet} \times 0.4 = 0.9 \text{ Acre-feet}$$

G. NARRATIVE/REMARKS/COMMENTS

Upon visit to this permit location it was found that no domestic use for the home had been established using water from the spring. Water for the home was provided by a ground water well located 30 feet south of the home. For this reason the domestic portion of the permit has been withdrawn from the license.

There are 2 ponds that have been developed under the permit. Much of the surface area of the ponds is covered with emergent vegetation. The upper pond has a surface area of 0.25 acres and the lower 0.2 acres. The ponds have a maximum depth of 5.5 feet. Using these numbers I found a capacity of 0.99 acre-feet. Therefore it is my recommendation to limit the annual volume to 1af rather than the 2.3af granted in the permit.

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

H. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
RECREATION STORAGE	1/01 to 12/31		1.0 AF
		<u>Totals:</u>	0.020 CFS

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

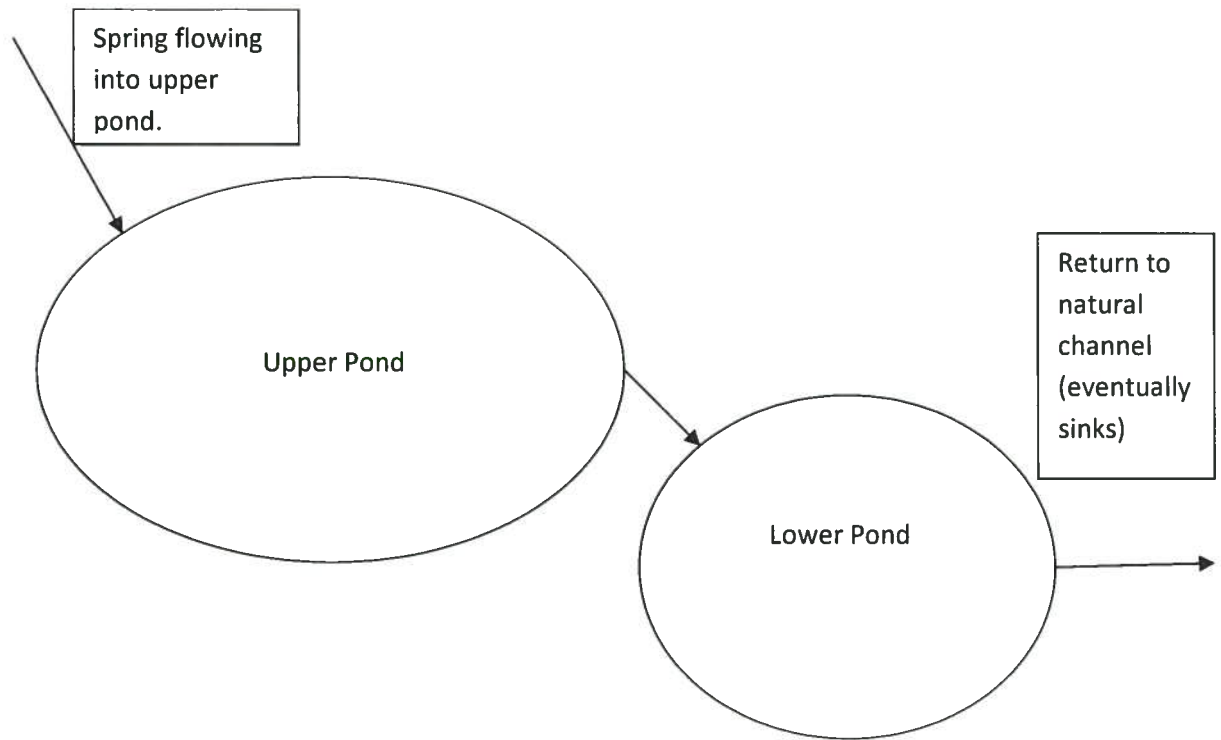
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Cody Allen Date 09-22-2011

Reviewer _____ Date _____

Delivery System Diagram:



Upper Pond



Lower Pond



Inflow of Spring into upper pond.



Groundwater well located 30' south of home.





Idaho Department of Water Resources

Water Right
11-7434

(RECREATION STORAGE)

Legend

● Point of Diversion

Place of Use

State Outline

Townships

PLS Sections

Quarter Quarters

Taxlots



Bear Lake County
IDWR Basin 11

Prepared by Allen, Cody
On October 04, 2011
2009 Aerial Photography

