

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 95-10775

Exam Date: 5/19/2014

1. Current Owner: THOMAS LARIVIERE
24290 N VLAZYS LANE
ATHOL ID 83801
(208)683-2398

And/Or

KATHRYN LARIVIERE
24290 N VLAZYS LANE
ATHOL ID 83801
(208)683-2398

2. Accompanied by: Owner

Phone No: Same

Address: Same

3. SOURCE**TRIBUTARY**

GROUND WATER

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:**

GROUND WATER SE1/4SW1/4 Sec. 34, Twp 53N, Rge 03W, B.M. KOOTENAI County

Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

2.

PLACE OF USE: RECREATION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
53N 03W 34	<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>	
												X					

PLACE OF USE: WILDLIFE STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
53N 03W 34	<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>	
												X					

PLACE OF USE: AESTHETIC

Twp Rge Sec	NE				NW				SW				SE				Totals
53N 03W 34	<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>	
												X					

PLACE OF USE: IRRIGATION

Twp Rge Sec	NE				NW				SW				SE				Totals
53N 03W 34	<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>	
												3.0					3.0

Total Acres: 3

PLACE OF USE: DIVERSION TO STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
53N 03W 34	<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>	
												X					

Method of Determination: Aerial photography, Bing Maps and Arc Map Data.

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</u> <u>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</u> <u>Size</u>
D0013670		2 hp			

D. FLOW MEASUREMENTS

Measurement: 5 gallon bucket in 20 sec = 15 gpm

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3\text{ac} \times 3 \text{ AF} = 9 \text{ AF}$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = 0.04 \times 214 \text{ days} \times 1.9835 = 16.97$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 9 \text{ AF}$$

2. Volume Calculations for Other Uses: Aesthetic volume is the evaporation from the ponds.

G. NARRATIVE/REMARKS/COMMENTS: Other water rights will be claims for domestic use for ground water from the same point of diversion and place of use.

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	01/01 to 12/31		0.50 AF
WILDLIFE STORAGE	01/01 to 12/31		0.50 AF
AESTHETIC	01/01 to 12/31	0.030 CFS	0.20 AF
IRRIGATION	04/01 to 10/31	0.040 CFS	9.00 AF
DIVERSION TO STORAGE	01/01 to 12/31	0.030 CFS	
<u>Totals:</u>		0.040 CFS	10.20 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 ☐ Other

I. AUTHENTICATION

Field Examiner's Name



Date

12-5-2014

Reviewer



Date

12-5-2014

INPUTS**NOTES/SUGGESTED VALUES****RESULTS****POND**SURFACE AREA (SQFT) ----- AVERAGE DEPTH (FT) ----- FILL OR REFILL RATE (CFS) ----- EVAPORATION (IN/DAY) ----- EVAPORATION (GPY per year) ----- SEEPAGE RATE (FT/DAY) ----- SEEPAGE RATE (GPY per year) ----- SEEPAGE RATE (AF PER YEAR) ----- AF

USE 0 IF FILLED NATURALLY FROM GW

IF UNKNOWN, USE REFERENCE ETpk80 FROM ABOVE

 AFPY AFPY AT 245 DAY IN THE YEAR

SUGGESTED VALUES FOR DIFFERENT SOIL TYPES:

0 = NATURALLY FILLED FROM GW, OR LINED

0.5 = CLAY SOILS

1.5 = LOAMS

3.0 = GRAVELS

EVAPORATION (GPY per year) ----- AFPYPOND SIZE ----- AFCAPACITY ----- 14629.5 CUFT
109429 G

CONVERT TO GPD ----- 25851 GPD

REFERENCE EXAMPLE:

ESTIMATED NUMBER OF DAYS

TO FILL BASED ON PROVIDED

INPUTS ----- 4.23 DAYS
102 HR

CONVERT TO GPD ----- 203 GPD

CONVERT TO GPD ----- 0 GPD



95-10775



95-10775



95-10775



95 -10 775



95-10775