

[illegible]

Method of Determination:

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

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: SEE ATTACHD POND ANALYSIS SHEETS

POND 1 = 1AF

POND 2 = 4AF

G. NARRATIVE/REMARKS/COMMENTS

POND #1 IS 0.33AF IN SIZE. POND #2 IS 2.24AF IN SIZE. POND IS AT HEADWATER OF UNNAMED STREAM, NO IDFG.

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>
FIRE PROTECTION STORAGE	01/01 to 12/31		5.00 AF
RECREATION STORAGE	01/01 to 12/31		5.00 AF
WILDLIFE STORAGE	01/01 to 12/31		5.00 AF
<u>Totals:</u>			5.00 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 E. J. [Signature] Date 12-18-2014

Reviewer Adam Friedman Date 12-16-2014

INPUTS Water Right License 95-9401

POND 1

PONDSURFACE AREA (SQFT) AVERAGE DEPTH (FT) FILL OR REFILL RATE (CFS) EVAPORATION (IN/DAY) EVAPORATION (GPYper year) AFPY AFPY AT 245 DAY IN THE YEARSEEPAGE RATE (FT/DAY) SEEPAGE RATE (GPY per year) SEEPAGE RATE (AF PER YEAR) AF**NOTES/SUGGESTED VALUES**

USE 0 IF FILLED NATURALLY FROM GW

IF UNKNOWN, USE REFERENCE ETpk80 FROM ABOVE

SUGGESTED VALUES FOR DIFFERENT SOIL TYPES:

0 = NATURALLY FILLED FROM GW, OR LINED

0.5 = CLAY SOILS

1.5 = LOAMS

3.0 = GRAVELS

RESULTS**TOTAL AF FOR THIS WATER RIGHT** AF**SEEPAGE AF** AF**EVAPORATION (GPYper year)** AFPY**POND SIZE** AF**CAPACITY** CUFT
 G**CONVERT TO GPD** GPD**REFERENCE EXAMPLE:****ESTIMATED NUMBER OF DAYS****TO FILL BASED ON PROVIDED****INPUTS** **DAYS**
 HR**CONVERT TO GPD** GPD**CONVERT TO GPD** GPD

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POND 2

POND

SURFACE AREA (SQFT) 14040

AVERAGE DEPTH (FT) 7.00

FILL OR REFILL RATE (CFS)

NOTES/SUGGESTED VALUES

USE 0 IF FILLED NATURALLY FROM GW

EVAPORATION (IN/DAY) 0.1

IF UNKNOWN, USE REFERENCE ETpk80 FROM ABOVE

EVAPORATION (GPYper year) 319454.184

0.9803719 AFPY

0.65805785 AFPY AT 245 DAY IN THE YEAR

SEEPAGE RATE (FT/DAY) 0.01

SEEPAGE RATE (GPY per year) 373868.352

SEEPAGE RATE (AF PER YEAR) 1.14736336 AF

SUGGESTED VALUES FOR DIFFERENT SOIL TYPES:

0 = NATURALLY FILLED FROM GW, OR LINED

0.5 = CLAY SOILS

1.5 = LOAMS

3.0 = GRAVELS

RESULTS

TOTAL AF FOR THIS WATER RIGHT 4 AF

SEEPAGE AF 1.15 AF

EVAPORATION (GPYper year) 0.98 AFPY

POND SIZE 2.26 AF

CAPACITY 98280 CUFT
735134 G

CONVERT TO GPD 0 GPD

REFERENCE EXAMPLE:ESTIMATED NUMBER OF DAYS
TO FILL BASED ON PROVIDEDINPUTS NA DAYS
NA HR

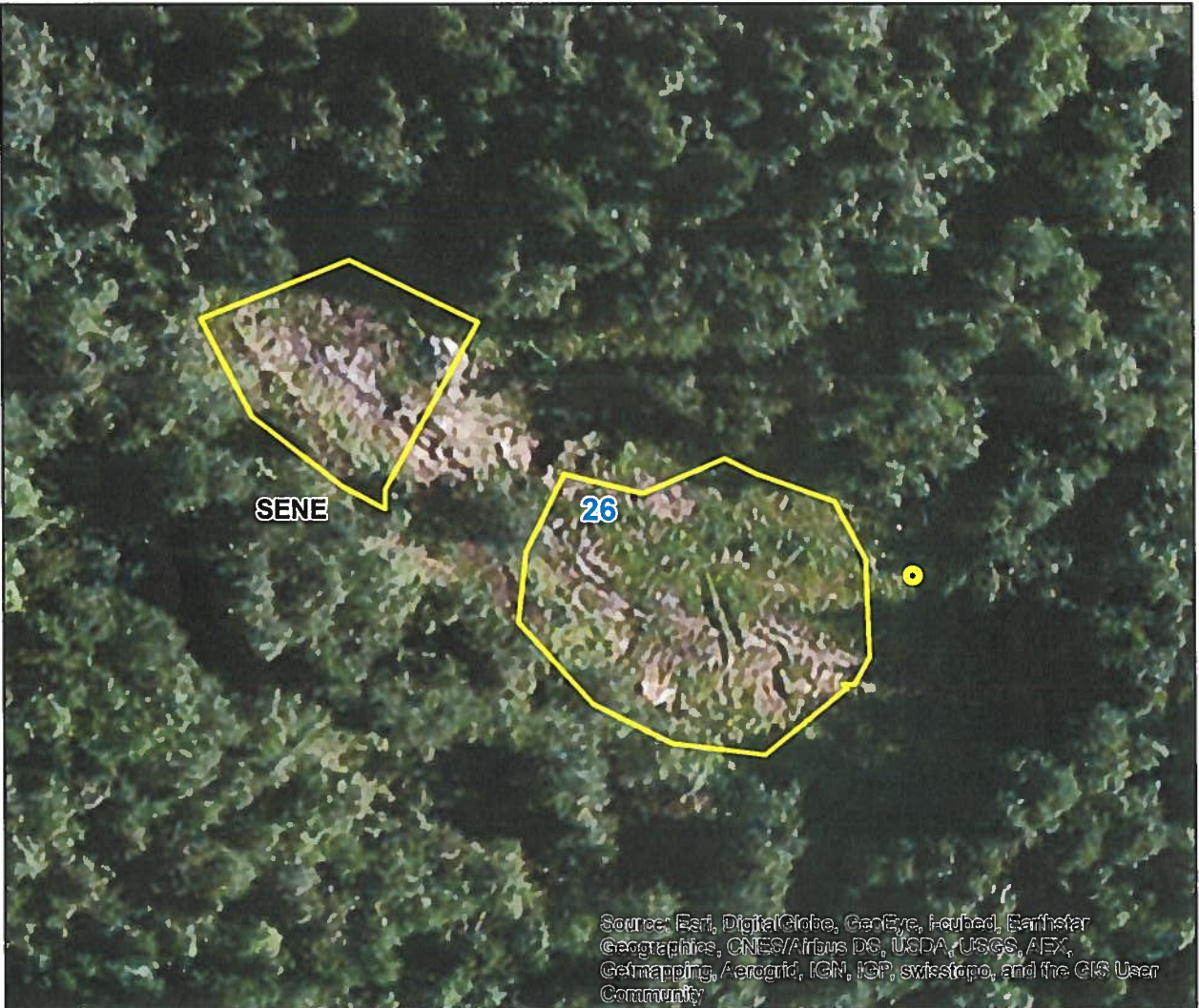
CONVERT TO GPD 875 GPD

CONVERT TO GPD 1050 GPD

State of Idaho
Department of Water Resources
Water Right License
95-9401

05W

52N



-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters

0 0.0075 0.015 0.03 Miles





95-9401



95-9401



95-9401



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