

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 91-7347

Exam Date: 6/1/2014

1. Current Owner: DONNY L MASTERSON
32 WHITTS END
SAINT MARIES ID 83861
(208)568-0288
2. Accompanied by: DONNY MASTERSON

3. **SOURCE**

UNNAMED STREAM

TRIBUTARY

ST JOE RIVER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 91-4006, 91-4007
2. Other water rights with the same point of diversion: NONE

C. DIVERSION AND DELIVERY SYSTEM1. **LOCATION OF POINT(S) OF DIVERSION:**

UNNAMED STREAM NE1/4SE1/4 Sec. 10, Twp 46N, Rge 02W, B.M. BENEWAH County

UNNAMED STREAM NE1/4SE1/4 Sec. 10, Twp 46N, Rge 02W, B.M. BENEWAH County

UNNAMED STREAM NE1/4SE1/4 Sec. 10, Twp 46N, Rge 02W, B.M. BENEWAH County

UNNAMED STREAM NE1/4SE1/4 Sec. 10, Twp 46N, Rge 02W, B.M. BENEWAH County

Method of Determination: GPS AND MAPS

2.

PLACE OF USE: STOCKWATER, STOCKWATER STORAGE, WILDLIFE STORGAE, FIRE PROTECTION STORAGE

Twp Rge Sec	NE				NW				SW				SE				Totals
	<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>	
46N 02W 10													X				

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: N/A

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

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

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

2. Volume Calculations for Other Uses: SEE ATTACHED POND ANALYSIS SHEET. 3 PONDS = 1.2AF

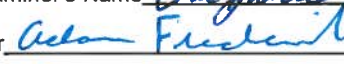
G. NARRATIVE/REMARKS/COMMENTS

3 PONDS FOR STOCKWATER, STOCKWATER STORAGE, WILDLIFE STORAGE, AND FIRE PROTECTION. 1.2AF

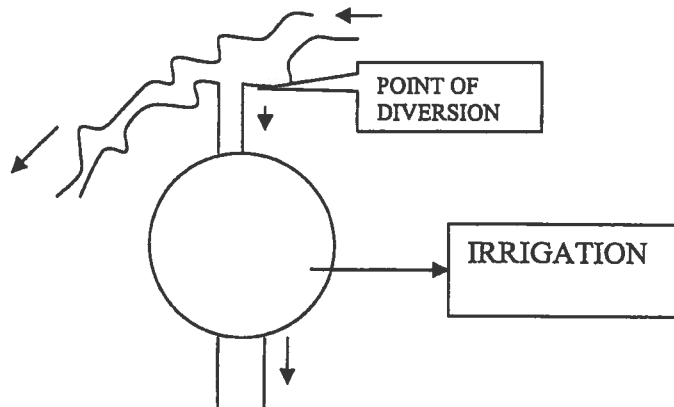
Have conditions of permit approval been met? ☒ Yes ☐ No**H. RECOMMENDATIONS****1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
STOCKWATER	01/01 to 12/31	0.020 CFS	
STOCKWATER STORAGE	01/01 to 12/31		0.20 AF
WILDLIFE STORAGE	01/01 to 12/31		1.20 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		1.20 AF
<u>Totals:</u>		0.020 CFS	1.20 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 12-18-2014
 Reviewer  Date 12-16-2014

POND DATA FORM



1. 0.02 csf Diversion to Storage *stock water (IN stream) Ponds*
2. _____ AF Irrigation from Storage (Annual Volume) = 3 AF x Irrigation acres
3. 1.0 AF Irrigation Storage
 - a. _____ AF, Annual Volume
 - b. 0.3 AF, Evaporation (data from spread sheet)
 - c. _____ AF, Seepage (data from spread sheet)
 - d. 0.7 AF, Pond Size _____ W _____ L _____ D One time Fill
4. _____ cfs Irrigation = Diversion Rate per acre x _____ acres to be Irrigated
5. _____ AF Recreation Storage = AF Evaporation + AF Seepage + AF Pond size
6. _____ AF Wildlife Storage = AF Evaporation + AF Seepage + AF Pond size
7. 0.02 csf Stockwater (is determined by # of Stock)
8. 0.2 AF Stockwater form Storage =
 - a. Annual Volume 12 gpd x 10 # of Stock x 365 dpy / 325,850
9. _____ AF Stockwater Storage = *Mixed head*
 - a. _____ AF Annual Volume 12 gpd x _____ # of Stock x 365 dpy / 325,850
 - b. _____ AF Evaporation + Seepage
 - c. _____ AF Pond Size

3 Ponds = TOTAL SIZE of ALL Pond is 0.7 AF
Evaporation = 0.3 AF
Stock storage = 0.2 AF

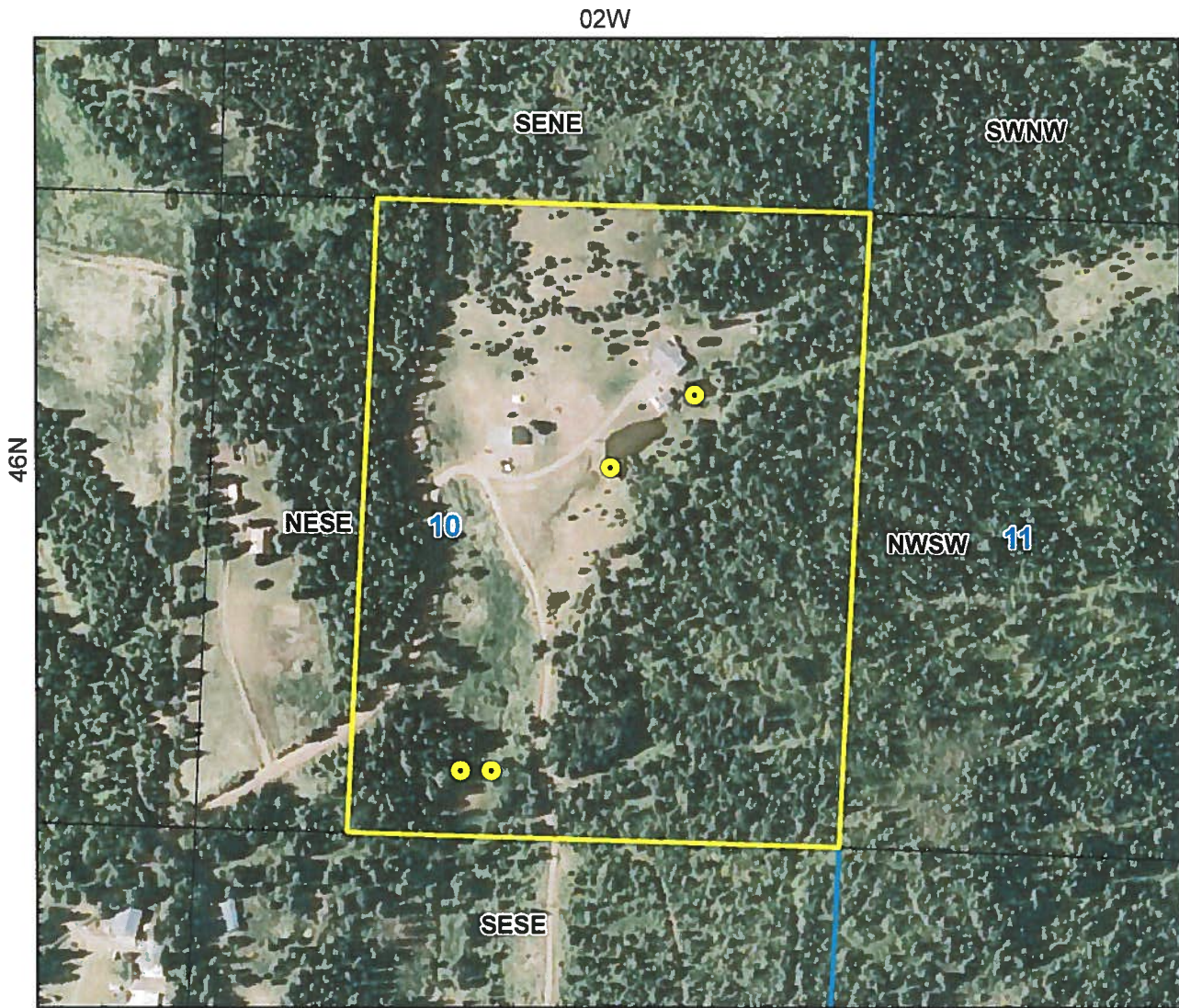
1.2 AF

Pond size

- ① $75 \times 30 \times 8 = .42 \text{ AF}$
- ② $20 \times 20 \times 6 = .06 \text{ AF}$
- ③ $40 \times 40 \times 6 = .22 \text{ AF}$

0.7 AF

State of Idaho
Department of Water Resources
Water Right License
91-7347



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

0 0.045 0.09 0.18 Miles



91-7347



91-7347



91-7347



91- 7347



91-7347



91-7347



91-7347

