

[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

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>
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N/A

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

D. FLOW MEASUREMENTS

1.

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

2. Measurements:

E. FLOW CALCULATIONS

☐ Additional Computation Sheets Attached

Measured Method:

N/A

F. VOLUME CALCULATIONS**1. Volume Calculations for Irrigation:**

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$$

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

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

2. Volume Calculations for Other Uses: SEE ATTACHED POND ANALYSIS SHEET**G. NARRATIVE/REMARKS/COMMENTS**

SITE VISIT SHOWED POND SIZE MATCHING THE SIZE THAT WAS APPLIED FOR AND WHAT IS SHOWN ON THE POND ANALYSIS SHEET. STOCKWATER WILL BE GIVEN FOR 30 HEAD OF MIXED STOCK IN TWO DIFFERENT PLACES OF USE. IRRIGATION OF 1 ACRE WAS OCCURRING AROUND APPLICANTS HOUSE. SITE VISIT SHOWED APPLICANT WAS NOT PULLING WATER DIRECTLY FROM UNNAMED STREAM OR SPRING FOR USE. APPLICANT WOULD USE WATER ONCE IT WAS IN POND TO GIVE HIM ENOUGH PRESSURE. IRRIGATION, STOCKWATER AND FIRE PROTECTION WILL BE REMOVED FROM LICENSE.

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>
IRRIGATION STORAGE	01/01 to 12/31		4.60 AF
IRRIGATION FROM STORAGE	03/15 to 11/15		3.00 AF
STOCKWATER STORAGE	01/01 to 12/31		2.00 AF
STOCKWATER FROM STORAGE	01/01 to 12/31		0.40 AF
FIRE PROTECTION STORAGE	01/01 to 12/31		1.60 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 Adam Fendler Date 8-26-2015

Reviewer _____ Date _____

95-10140

$$\text{Pond Size} = 75' \times 75' \times 6' = 33,750 \text{ ft}^3 = 0.8 \text{ AF}$$
$$\text{Surface Area} = 5,625 \text{ ft}^2$$

Irrigation Storage :

a) Pond size

$$= 0.8 \text{ AF}$$

b) Evap $1037 \text{ gpd} \times 245 \text{ days} / 325,350$

$$= 0.8 \text{ AF}$$

c) Seepage (Instream Pond no Seepage)

$$= 0 \text{ AF}$$

d) Irrigation $1 \text{ Ac} \times 3 \text{ ACF/Ac}$

$$= 3.0 \text{ AF}$$

Total

$$= 4.6 \text{ AF}$$

Irrigation from Storage :

a) $1 \text{ Ac} \times 3 \text{ ACF/Ac} = 3 \text{ ACF}$

Stockwater Storage :

a) Pond size

$$= 0.8 \text{ AF}$$

b) Evaporation

$$= 0.8 \text{ AF}$$

c) Seepage

$$= 0 \text{ AF}$$

d) Stock $(30 \text{ head} \times 12 \text{ gpd} \times 365 \text{ days} / 325,350)$

$$= 0.4 \text{ AF}$$

Total

$$= 2.0 \text{ AF}$$

Stock Water :

$$30 \text{ head} \times 12 \text{ gpd} \times 365 \text{ days} / 325,350 = 0.4 \text{ AF}$$

Fire Protection Storage :

a) Pond size

$$= 0.8 \text{ AF}$$

b) Evaporation

$$= 0.8 \text{ AF}$$

Total

$$= 1.6 \text{ AF}$$

2.03 cfs Irrigation diversion
0.02 cfs Stockwater diversion
0.05 cfs Fire Protection diversion
0.05 cfs Total diversion

Total Storage Volume 3

Irrigation Storage

= 3 AF

Pond size

= 0.8 AF

Evaporation

= 0.8 AF

Stockwater Storage

= 0.4 AF

Fire Protection Storage

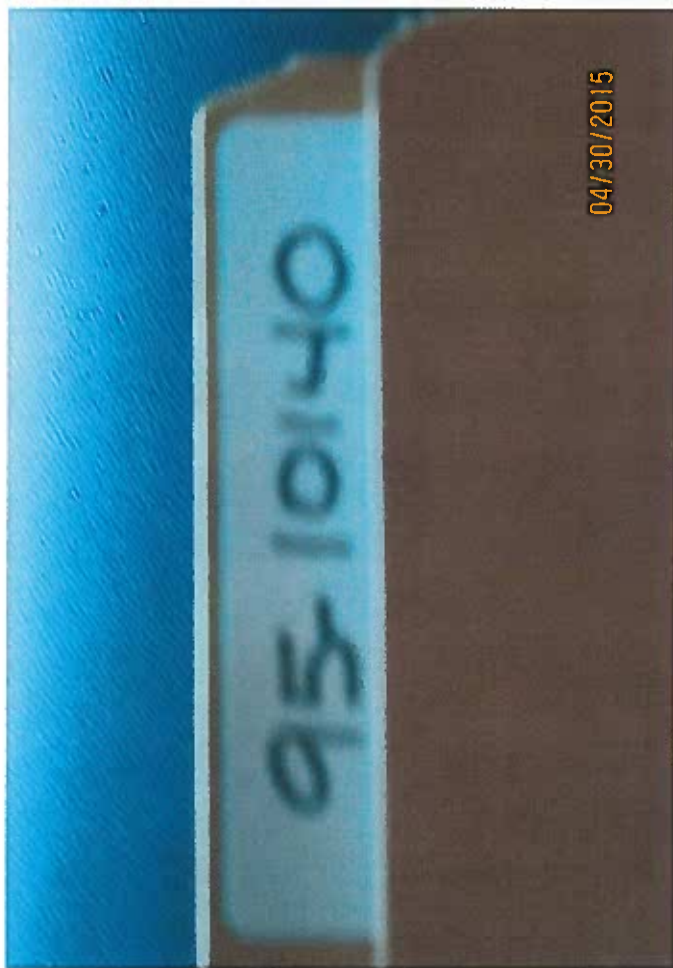
= 0.8 AF

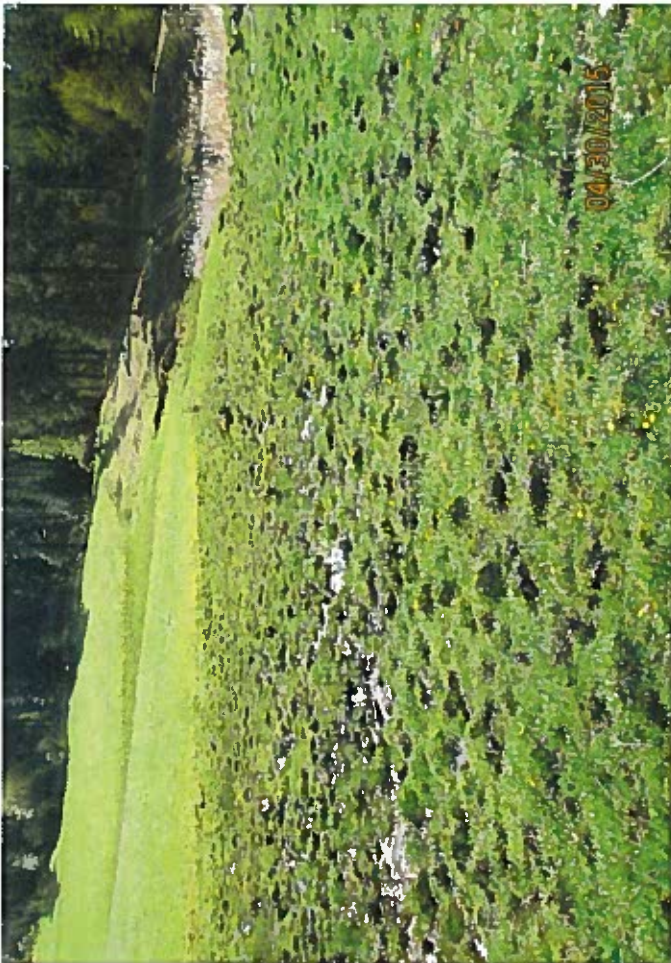
Total

5.8 AF

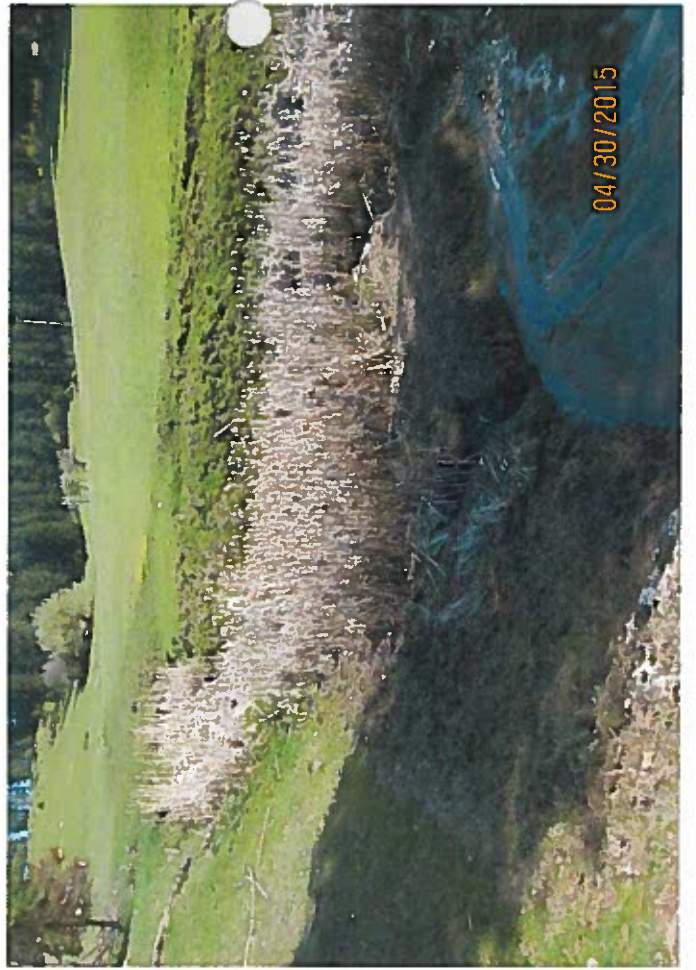


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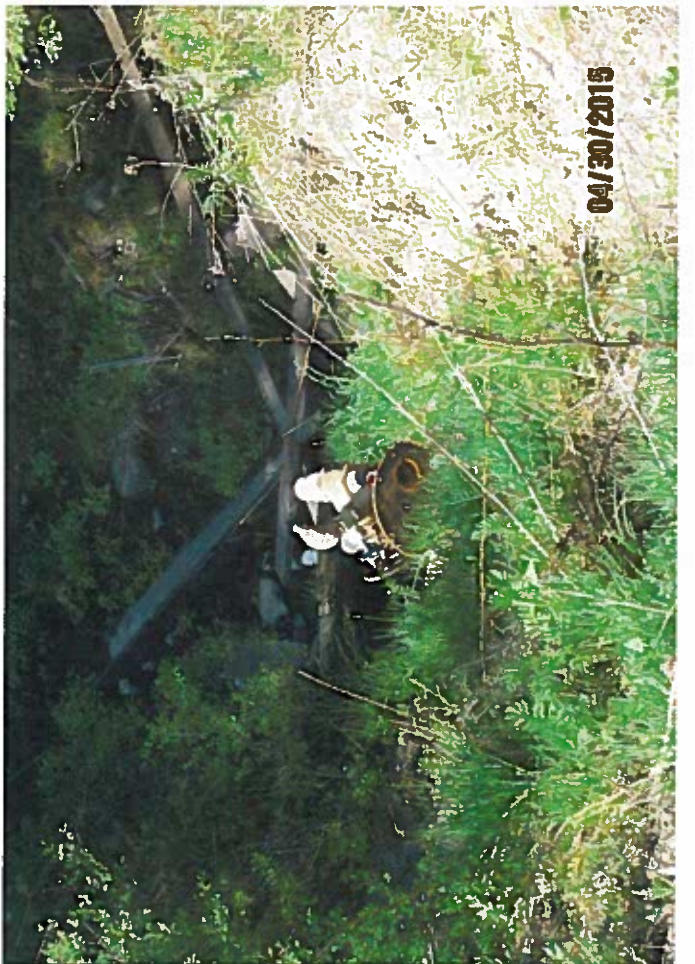




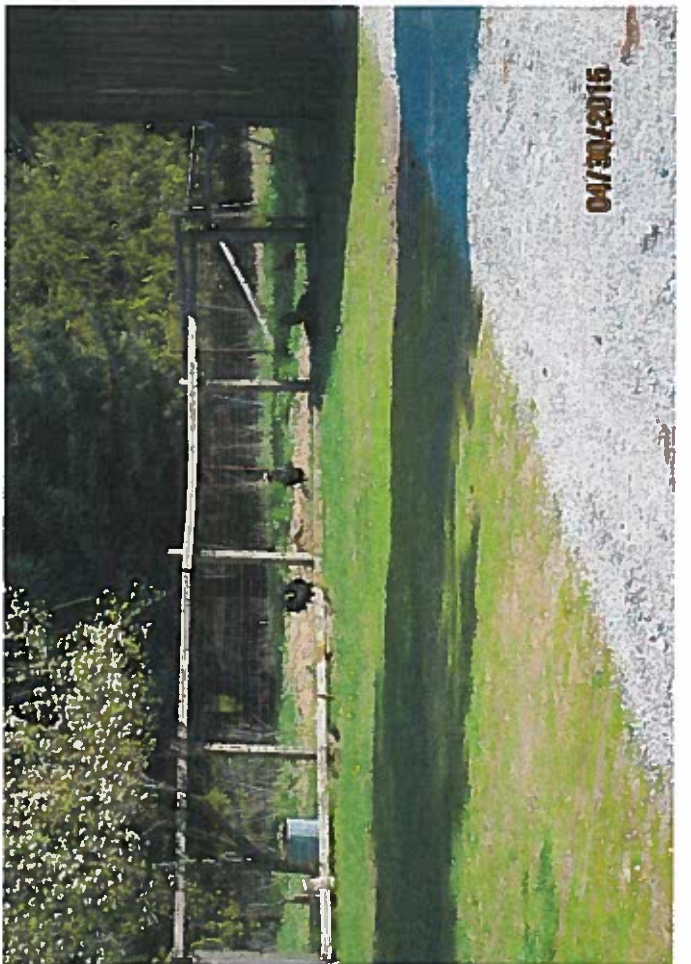
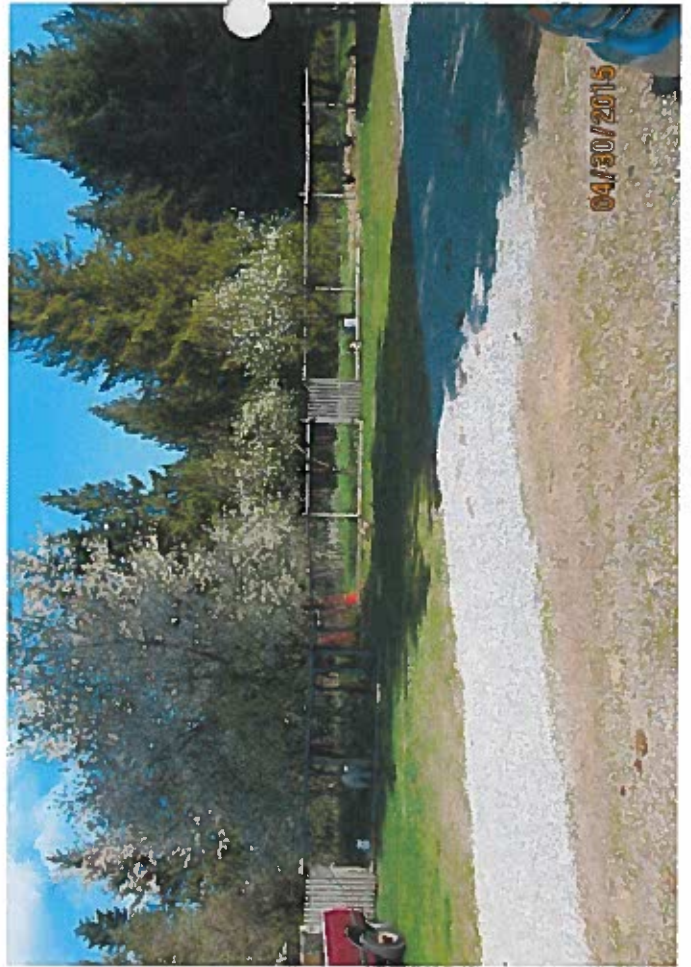
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State of Idaho
Department of Water Resources
Water Right License
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03W

51N



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

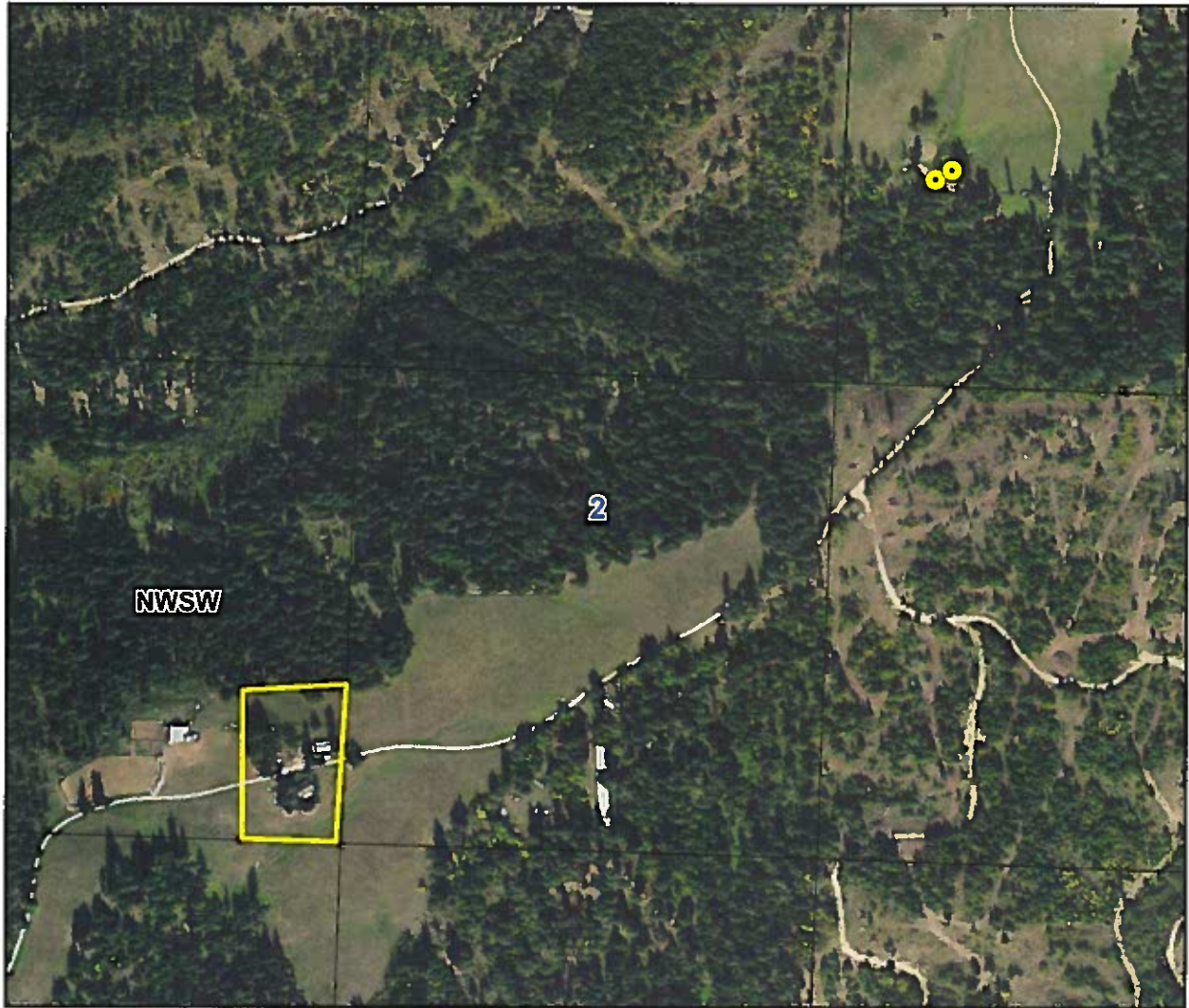
0 0.035 0.07 0.14 Miles



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03W

51N



● Point of Diversion

□ Place Of Use Boundary

□ Townships

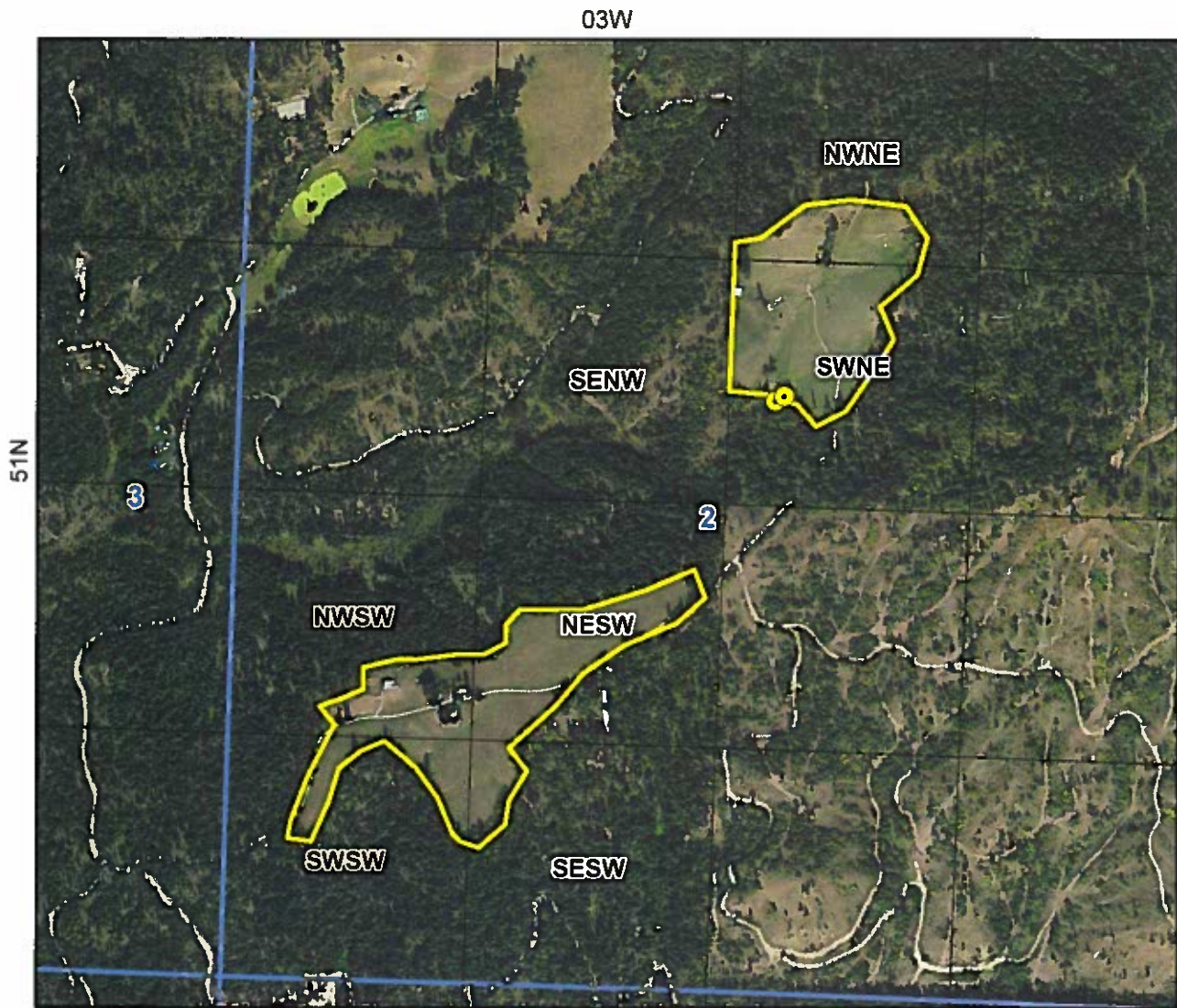
□ PLS Sections

□ Quarter Quarters

0 0.05 0.1 0.2 Miles



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

0 0.1 0.2 0.4 Miles

