



**PLACE OF USE:** DOMESTIC FROM STORAGE

Permit No: 17-7102

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| 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> |        |
| 13S | 32E | 2   |           |           |           |           | X         |           |           |           |           |           |           |           |           |           |           |           |        |
|     |     |     |           |           |           |           | L 3       |           |           |           |           |           |           |           |           |           |           |           |        |

**PLACE OF USE:** STOCKWATER 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> |        |
| 12S | 32E | 35  |           |           |           |           |           |           |           |           |           |           | X         |           |           |           |           |           |        |
| 13S | 32E | 2   |           |           |           |           | X         |           |           |           |           |           |           |           |           |           |           |           |        |
|     |     |     |           |           |           |           | L 3       |           |           |           |           |           |           |           |           |           |           |           |        |
| 13S | 32E | 11  |           |           |           |           |           |           | X         |           |           |           |           |           |           |           |           |           |        |

**PLACE OF USE:** DOMESTIC 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> |        |
| 12S | 32E | 35  |           |           |           |           |           |           |           |           |           |           | X         |           |           |           |           |           |        |
| 13S | 32E | 2   |           |           |           |           | X         |           |           |           |           |           |           |           |           |           |           |           |        |
|     |     |     |           |           |           |           | L 3       |           |           |           |           |           |           |           |           |           |           |           |        |

Method of Determination: Aerial photography

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

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

#### D. FLOW MEASUREMENTS

2. Measurements:  
Storage water right no flow measurement.

#### F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A

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

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

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

2. Volume Calculations for Other Uses:

Two storage ponds with a combined surface area of 3.2 acres. The storage capacity of the upper pond is 9.0 acre-feet. The storage capacity of the lower pond is 6.0 acre-feet. Evaporation losses from the two ponds is 5.5 acre-feet (ET Idaho; Malad weather station). Storage capacity = 15 acre-feet. Evaporation losses = 5.5 acre feet. Total storage for the two ponds > 20.0 acre-feet. Total storage allowed under permit is 20.0 acre-feet.

#### G. NARRATIVE/REMARKS/COMMENTS

Based on a partial field exam (6/3/1996) and an office visit (3/13/2014) with Bill Hubbard (permit holder) there are two on stream storage ponds used for domestic and stockwater storage purposes. The upper pond is used for domestic storage and stockwater storage purposes. For domestic purposes water from the upper pond is piped through a 1-1 ¼ inch pvc pipe line and used to irrigate approximately 0.34 acres of lawn and trees. The domestic use is for external uses only. The water stored for stockwater purposes is diverted from the upper and lower ponds through a 1-1 ¼ inch pvc pipe to two storage tanks and 11 stockwater troughs. A five horse power pump diverts water from the upper pond into the pipeline which carries water to the storage tanks and troughs. There are two sources of water that fill these ponds. The source of water for the upper pond is South Fork Bull Canyon. The source of water for the lower pond is an unnamed stream. These two ponds are interconnected via pipeline. A stockwater from storage and domestic from storage purpose of use will be included as part of the licence.

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 FROM STORAGE | 04/01 to 11/01       |                       | 15.00 AF             |
| DOMESTIC FROM STORAGE   | 04/01 to 11/01       |                       | 5.00 AF              |
| STOCKWATER STORAGE      | 04/01 to 11/01       |                       | 15.00 AF             |
| DOMESTIC STORAGE        | 04/01 to 11/01       |                       | 5.00 AF              |
| <u>Totals:</u>          |                      |                       | 20.00 AF             |

##### 2. Recommended Amendments

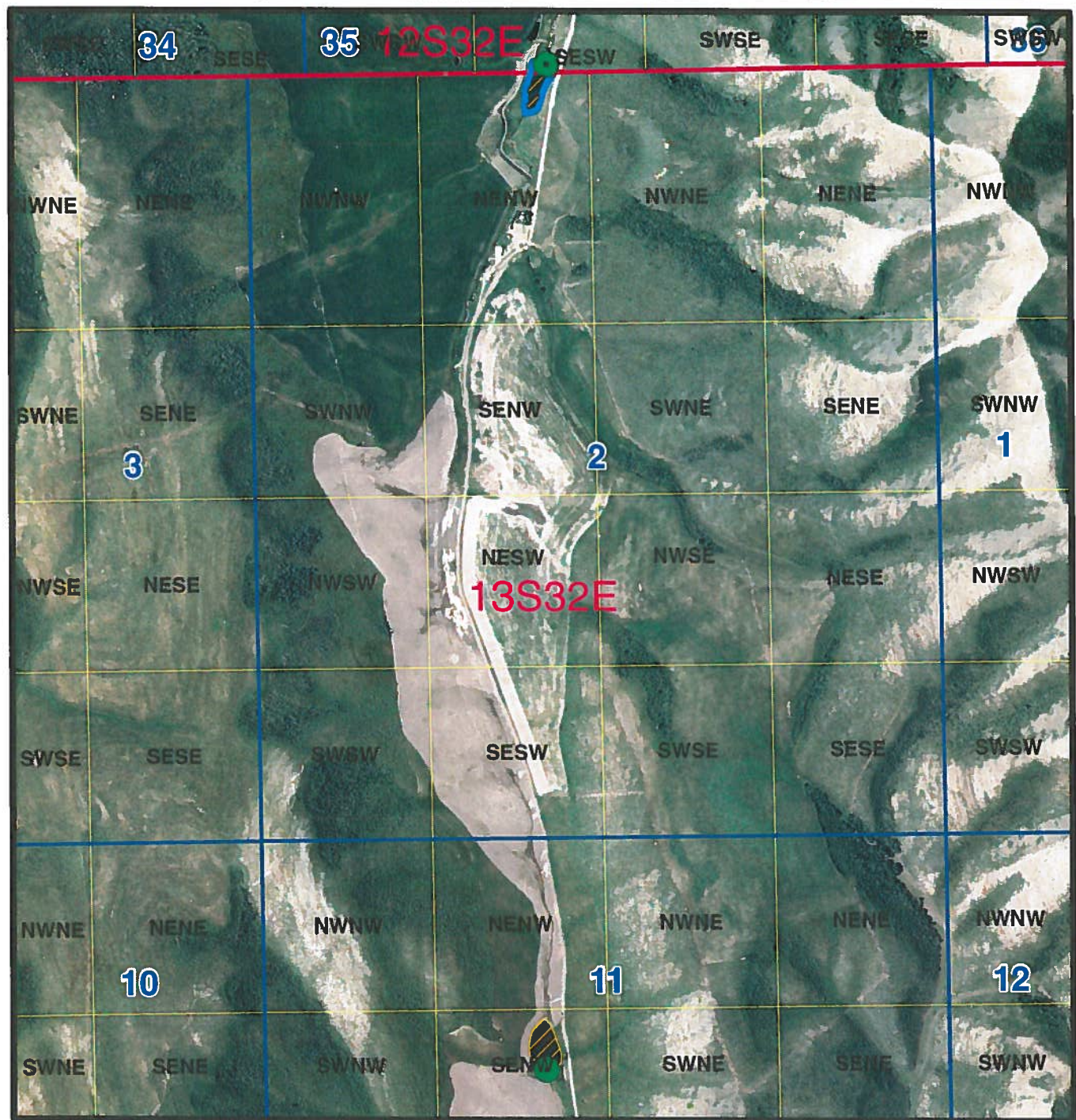
☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

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

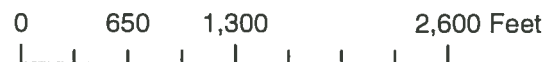
#### I. AUTHENTICATION

Field Examiner's Name Blue Guo Date 4/15/2014

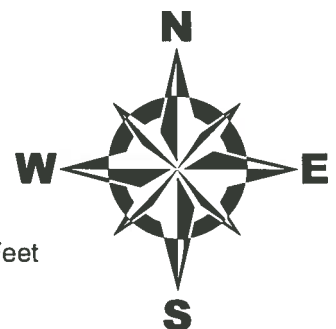
Reviewer \_\_\_\_\_ Date \_\_\_\_\_

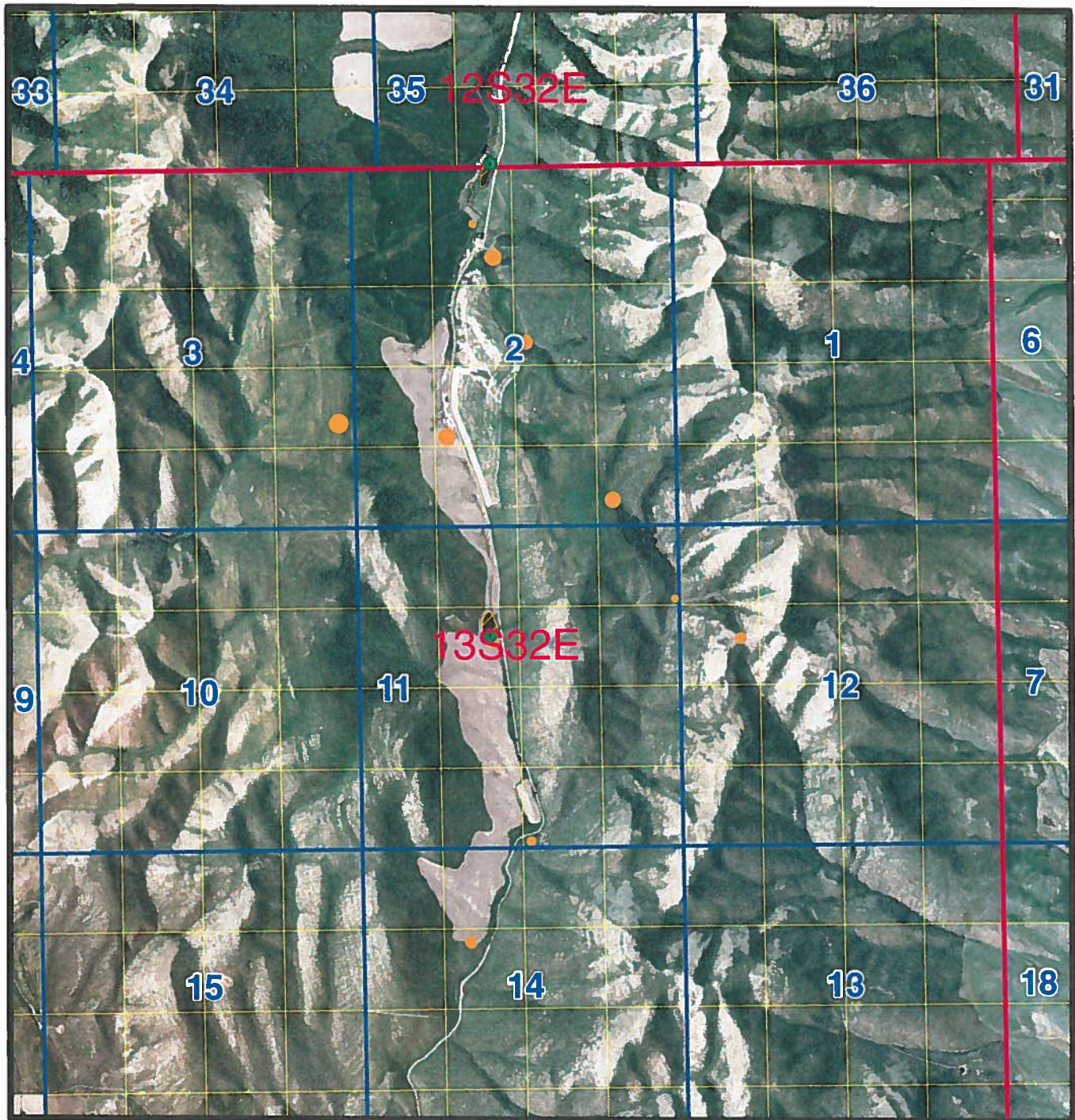


-  Points of Diversion
-  Domestic Storage POU
-  Stockwater Storage POU
-  Township/Range
-  Sections
-  QQ



1 inch = 1,169 feet

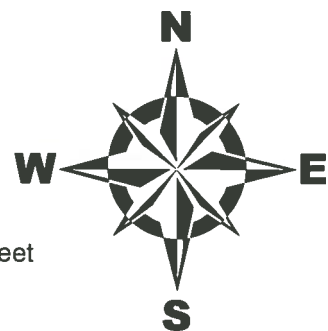


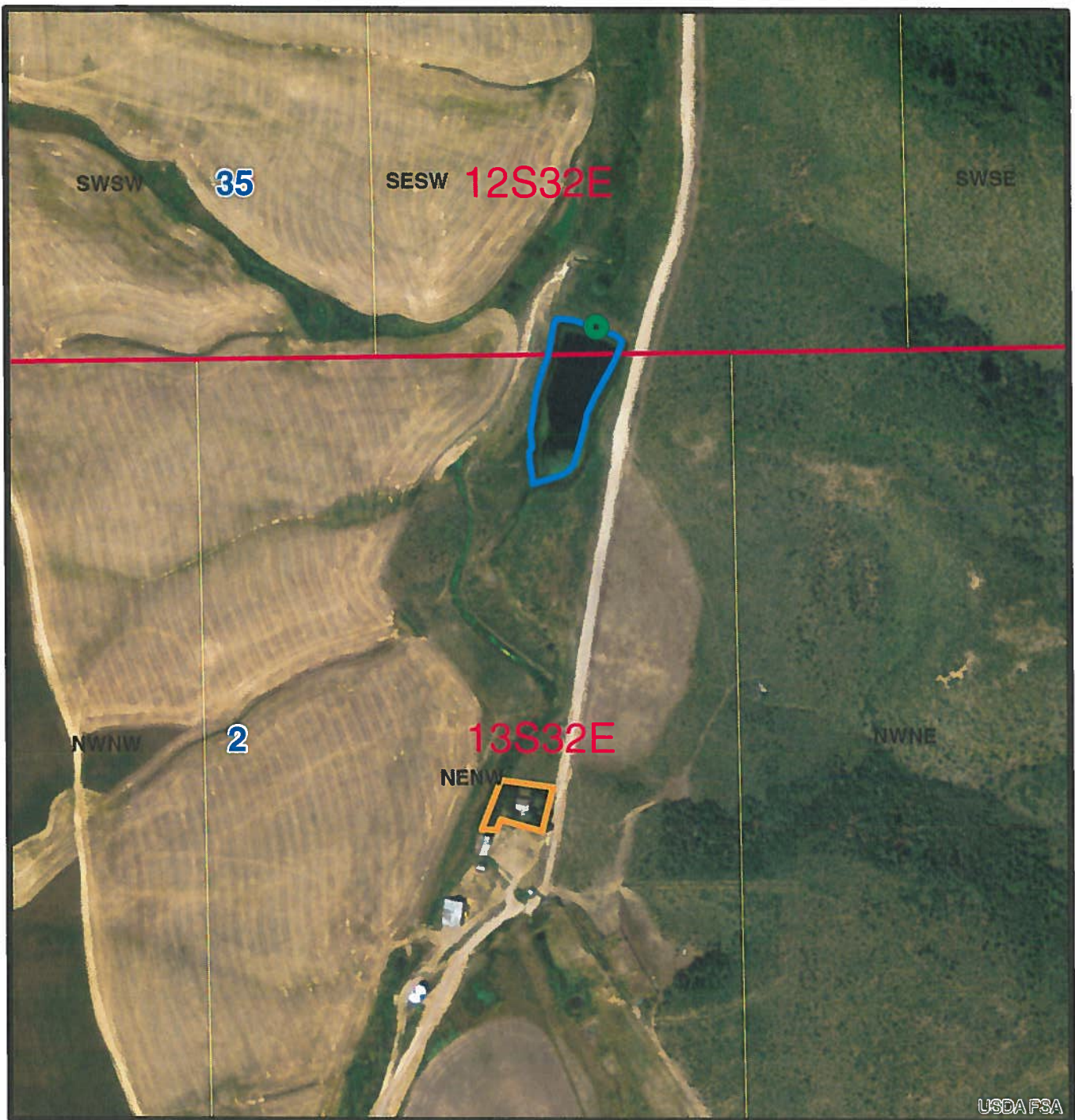


- Points of Diversion
- Stockwater from Storage
- Stockwater Storage POU
- Township/Range
- Sections
- QQ

0 1,375 2,750 5,500 Feet

1 inch = 2,498 feet

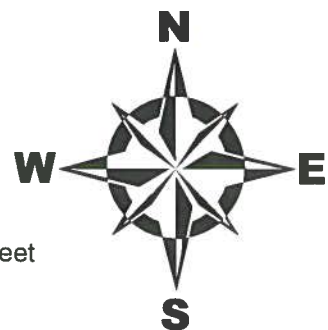


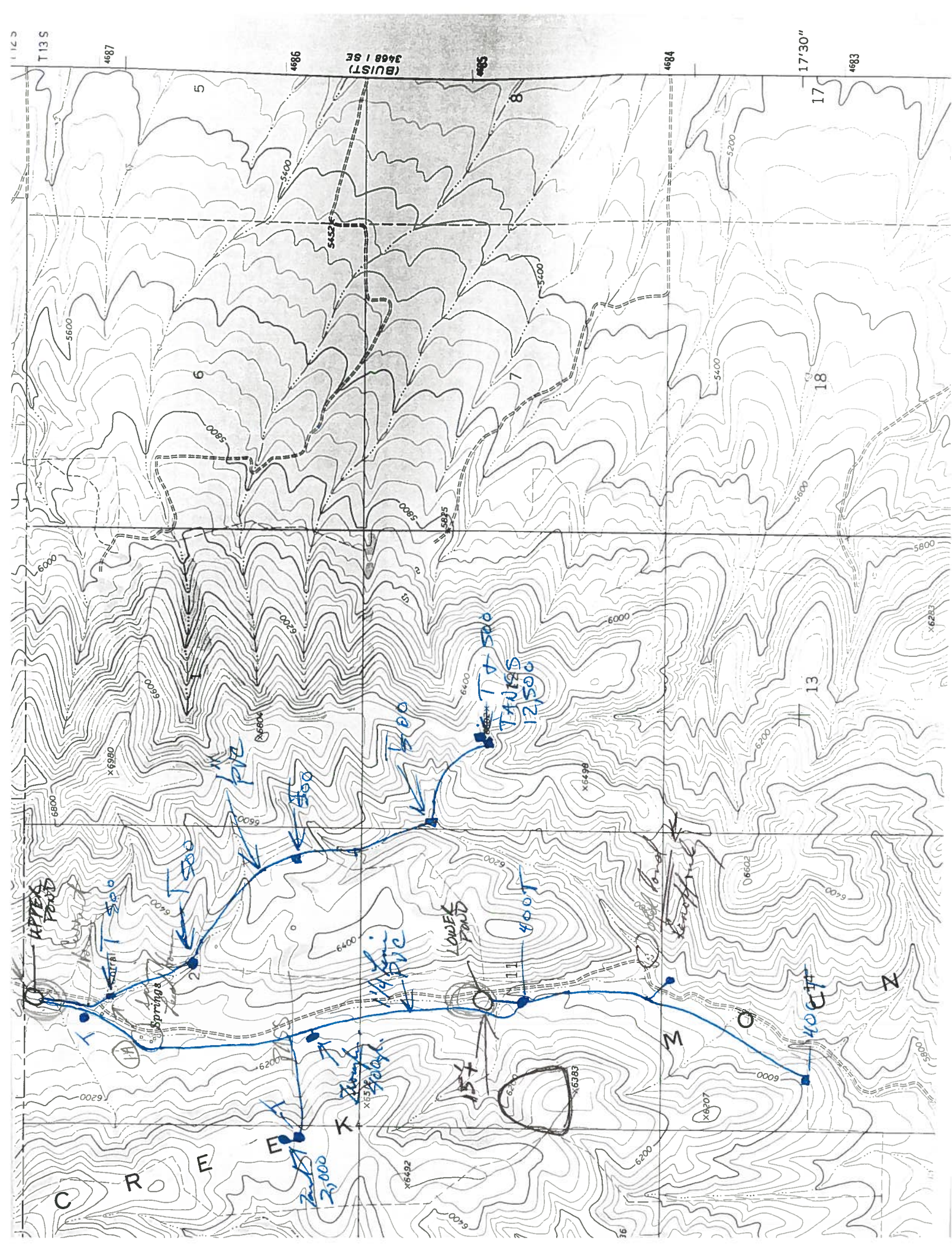


-  Points of Diversion
-  Domestic Storage POU
-  Domestic from Storage
-  Township/Range
-  Sections
-  QQ

0 212.5 425 850 Feet

1 inch = 375 feet





Hubbard Land + Livestock

Upper Dam

15/2



PERMIT  
NUMBER

17-07102

Lower Dam

2512



PERMIT  
NUMBER

17-07102