

Method of Determination:

Verified trough location with aerial photography. I can see all 4 troughs in the Bing (2012?) imagery.

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

E. FLOW CALCULATIONS

- ☒ Recommend permitted diversion rate of 0.02 cfs.

F. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation: N/A
2. Volume Calculations for Other Uses: 1000 head of cattle

$$\frac{(12 \text{ gpd})(1000)(365 \text{ day's})}{325850} = 13.4 \text{ AF}$$

G. NARRATIVE/REMARKS/COMMENTS

Overlap, Rate, and Volume Review

73-2098:

It appears to be decreed from the same POD authorized by permit 73-12167 but was the POD historically diverted water into a ditch for delivery. The head of the ditch has been filled in and has no longer been used to deliver stockwater under 73-2098 since the trough system was installed in 2001. In other words, 73-2098 is no longer in use. 73-2098 will not be included in any combine use limits with permit 73-12167.

73-11956:

Statutory claim filed as a form 113 to change an instream stock water use to a diverted use.

Conclusion of Law #4 of the preliminary order issuing permit no 73-12167, dated June 28, 2010, states, "There is sufficient water in the lower portion of Mahogany Creek to satisfy the 0.02 cfs sought under the application." This language indicates that the 0.02 cfs authorized under this permit was intended to be in addition to that already authorized under decreed right 73-2098 and statutory claim 73-11956.

However, conclusion of Law #10 of the preliminary order issuing permit no 73-12167, dated June 28, 2010, states, "*Because 73-11956 is based, at least in part, on the same beneficial use of water described in BLMs application for permit, the permit, in combination with the statutory claim, must be limited to the full extent of beneficial use.*" Because we do not know the capacity of the

delivery system and there is question of if 73-11956 provides an additional increment of beneficial use, I do not recommend a combined use limit be added to 73-12167 limiting it and 73-11956 to 0.02 cfs.

There is no volume associated with claim 73-11956. The original application for permit 73-11956 indicates use is for 1000 head of cattle. I recommend licensing a volume for 13.4 AF:

$$\frac{(12 \text{ gpd})(1000)(365 \text{ day's})}{325850} = 13.4 \text{ AF}$$

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	13.4
WILDLIFE	01/01 to 12/31	0.020 CFS	13.4
	<u>Totals:</u>	0.020 CFS	13.4

2. Recommended Amendments

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

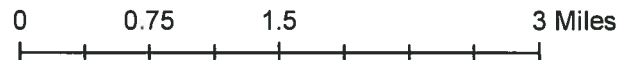
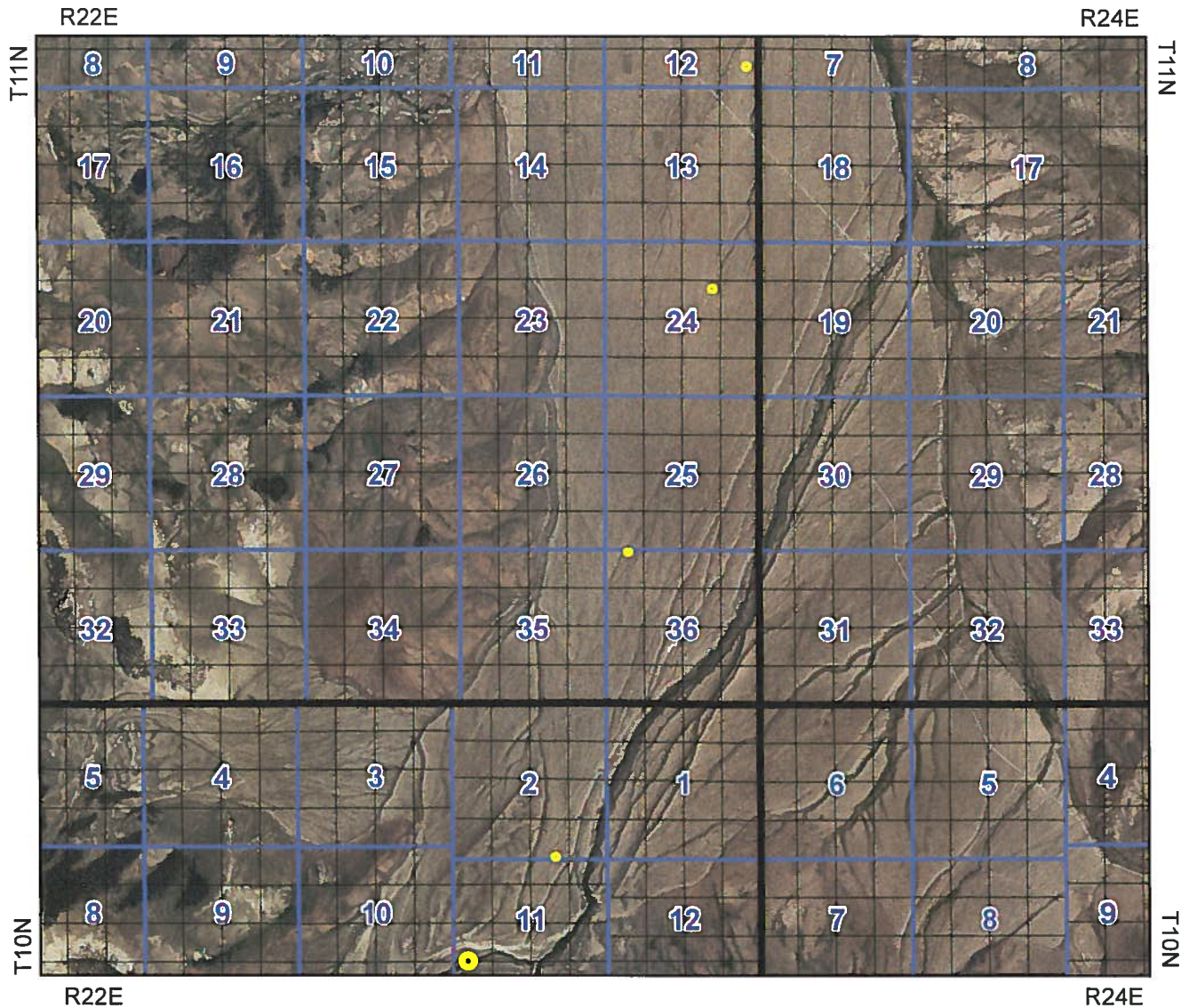
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATION

Field Examiner's Name Craig L. Suter Date 9-5-12
Reviewer _____ Date _____

State of Idaho
Department of Water Resources
REFERENCE MAP
73-12167

This map depicts the STOCKWATER and WILDLIFE place of use.
This is intended for illustrative purposes.

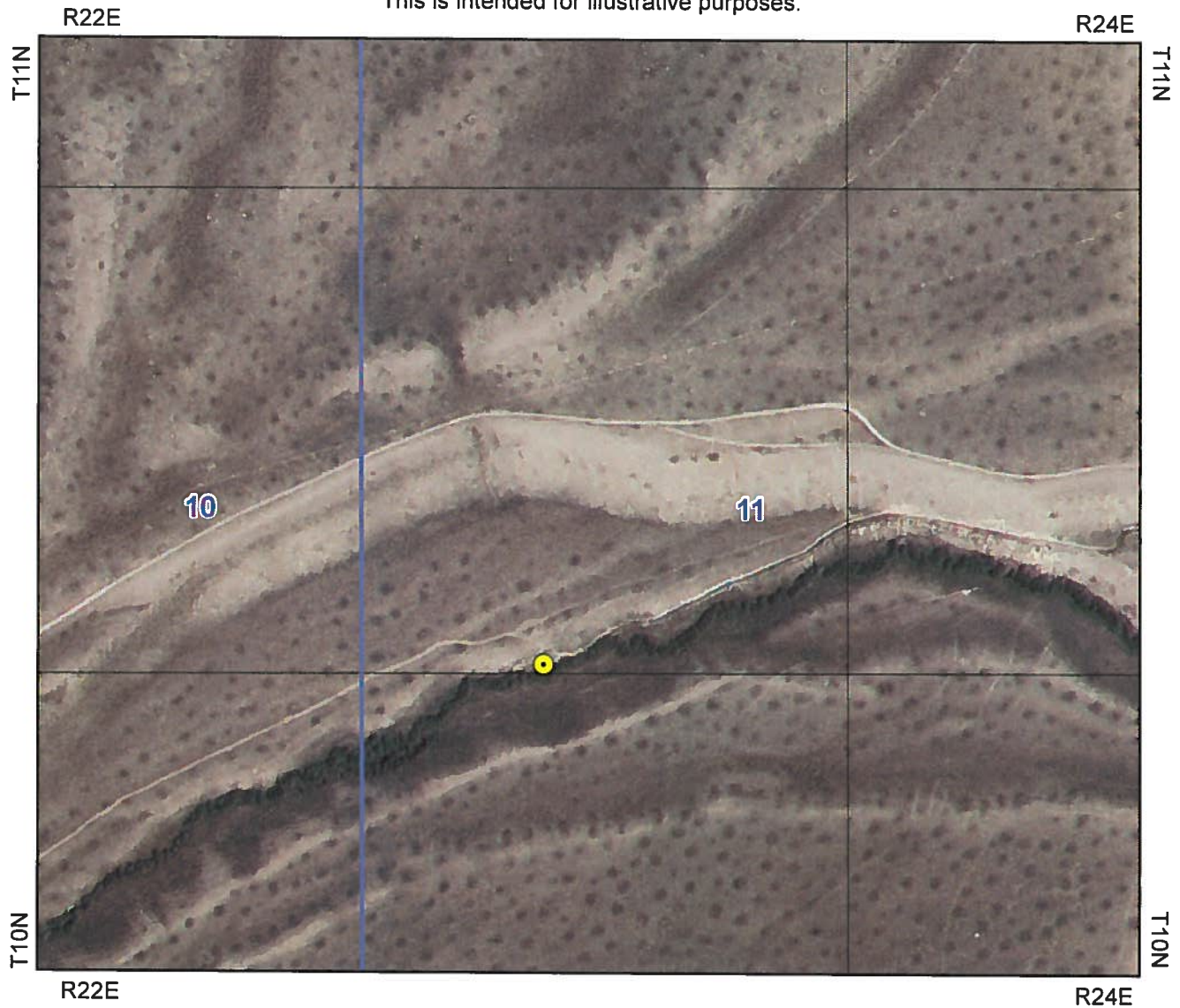


-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters



State of Idaho
Department of Water Resources
Point of Diversion
73-12167

This map depicts the point of diversion located in:
T10N, R23E, S11, NWSW
This is intended for illustrative purposes.



0 0.05 0.1 0.2 Miles

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

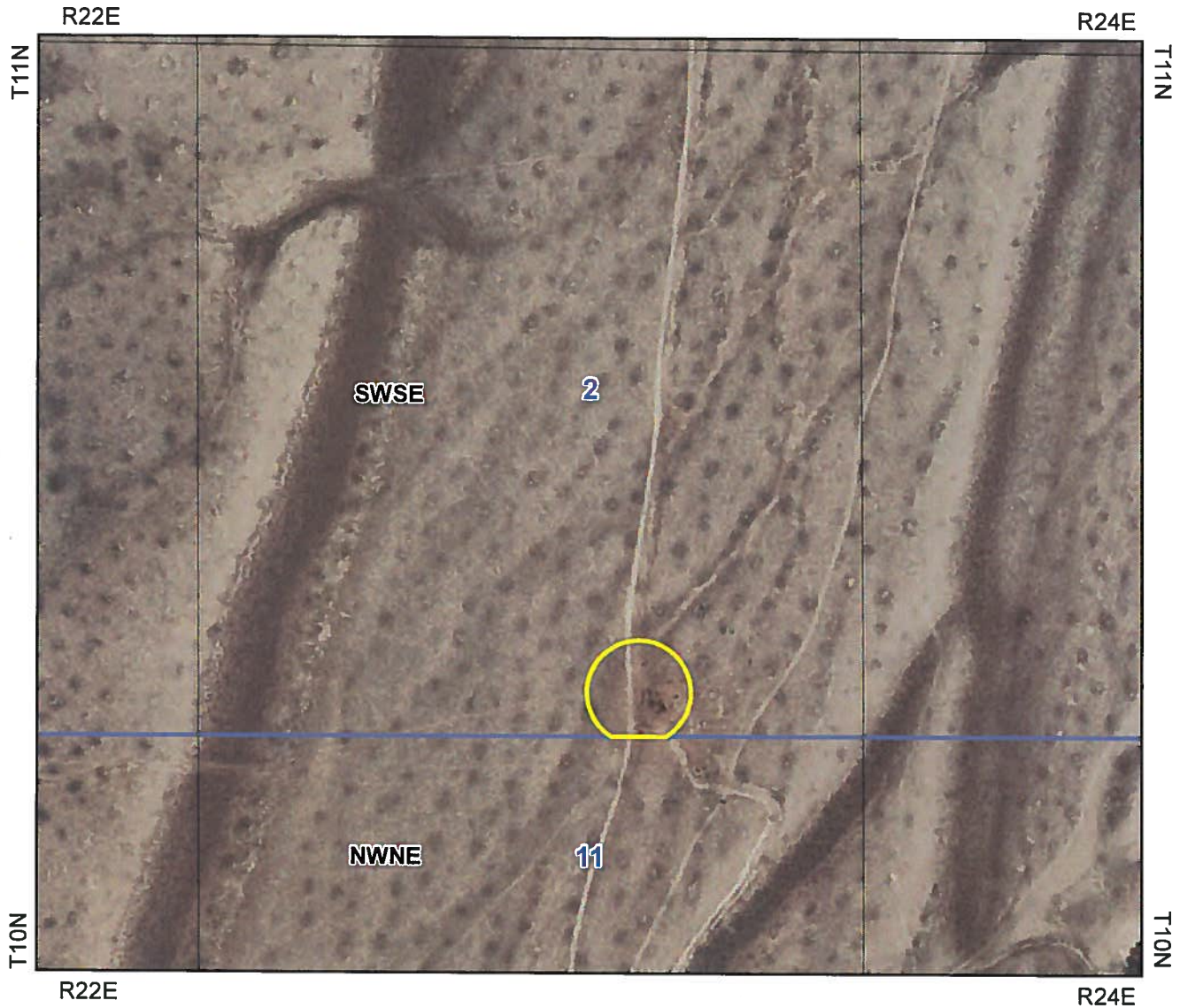


State of Idaho
Department of Water Resources

Place of Use - Trough Location

73-12167

This map depicts the STOCKWATER and WILDLIFE place of use.
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0 0.0425 0.085 0.17 Miles

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

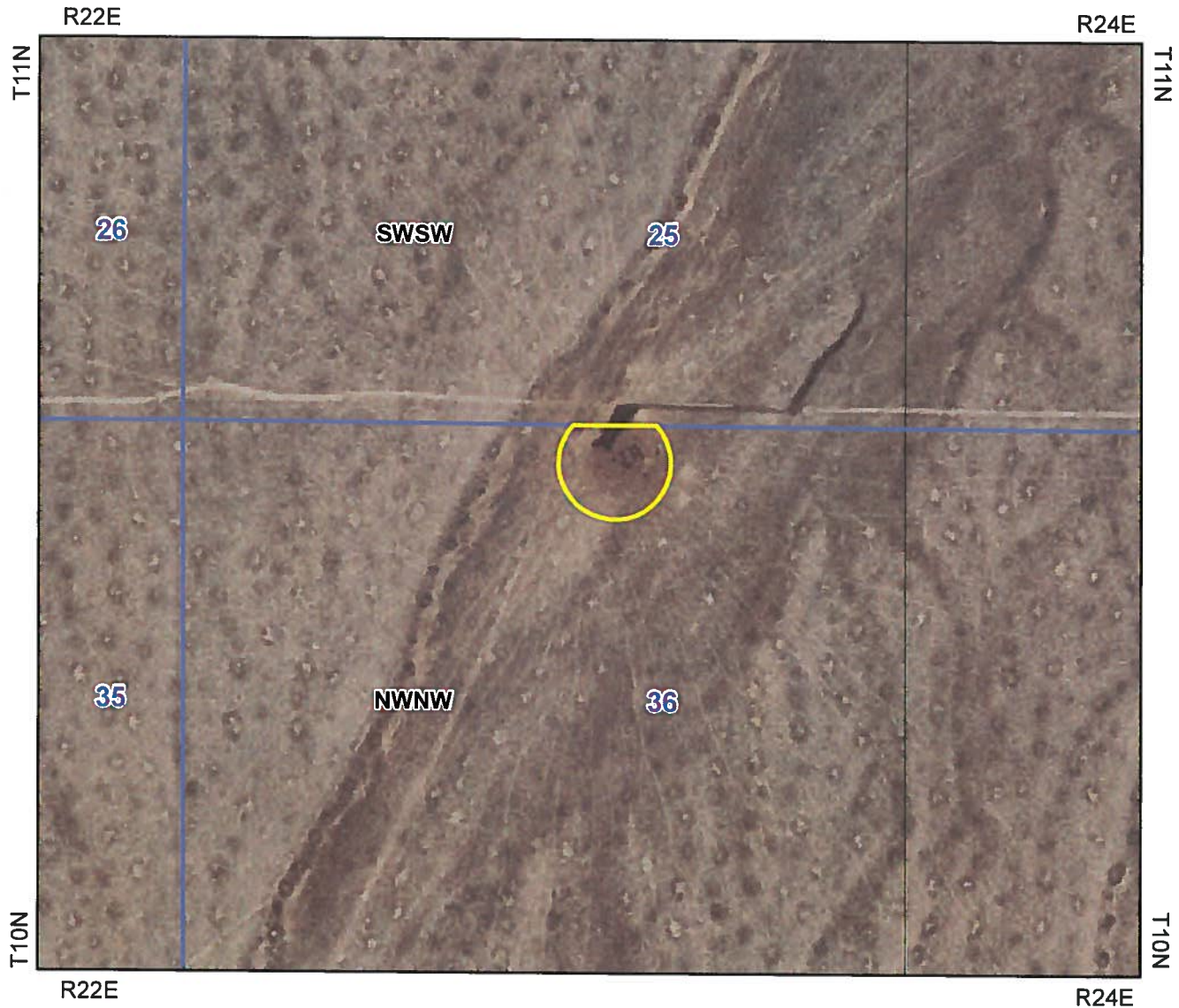


State of Idaho
Department of Water Resources

Place of Use - Trough Location

73-12167

This map depicts the STOCKWATER and WILDLIFE place of use.
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0 0.0375 0.075 0.15 Miles

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

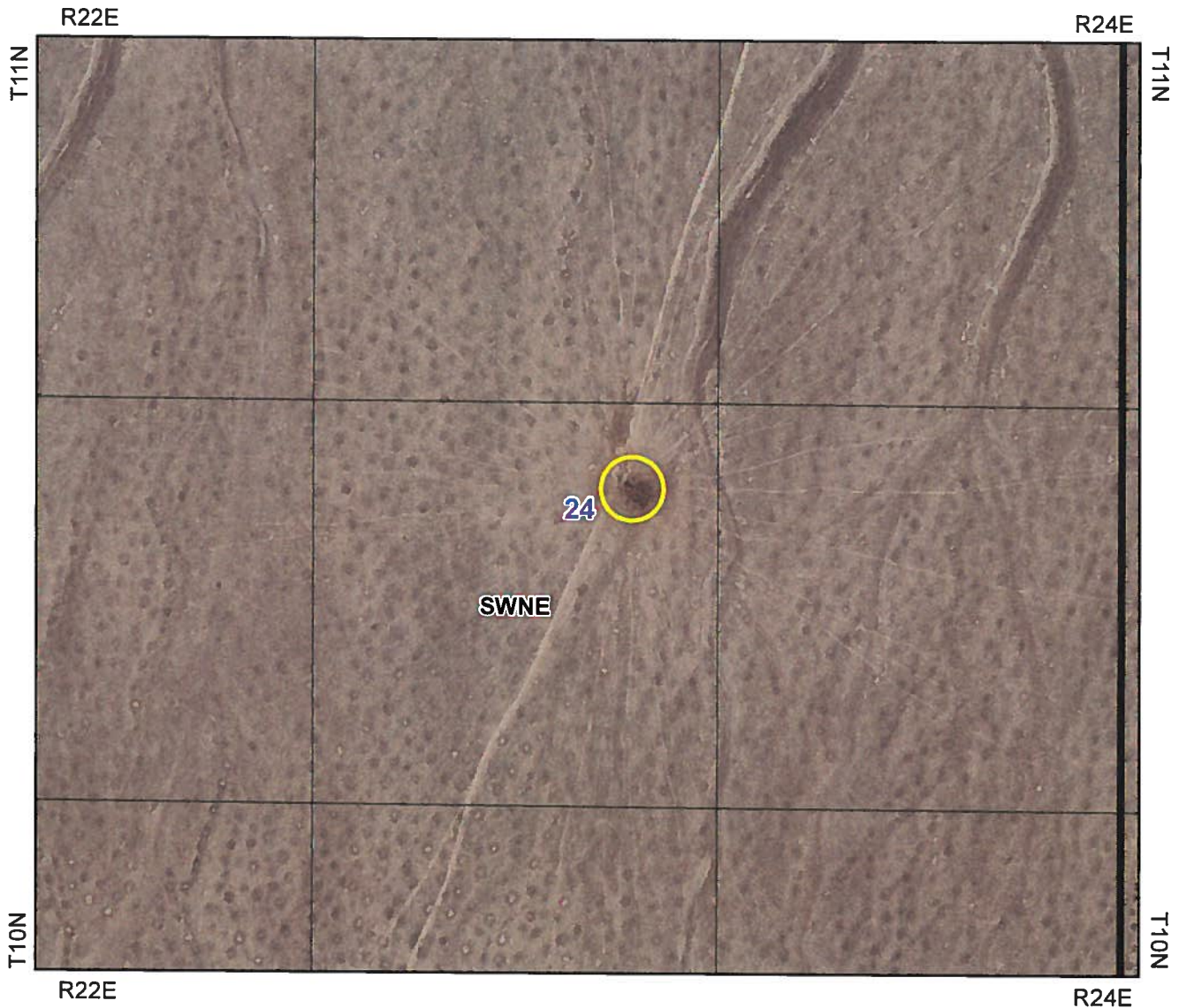


State of Idaho
Department of Water Resources

Place of Use - Trough Location

73-12167

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0 0.05 0.1 0.2 Miles

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

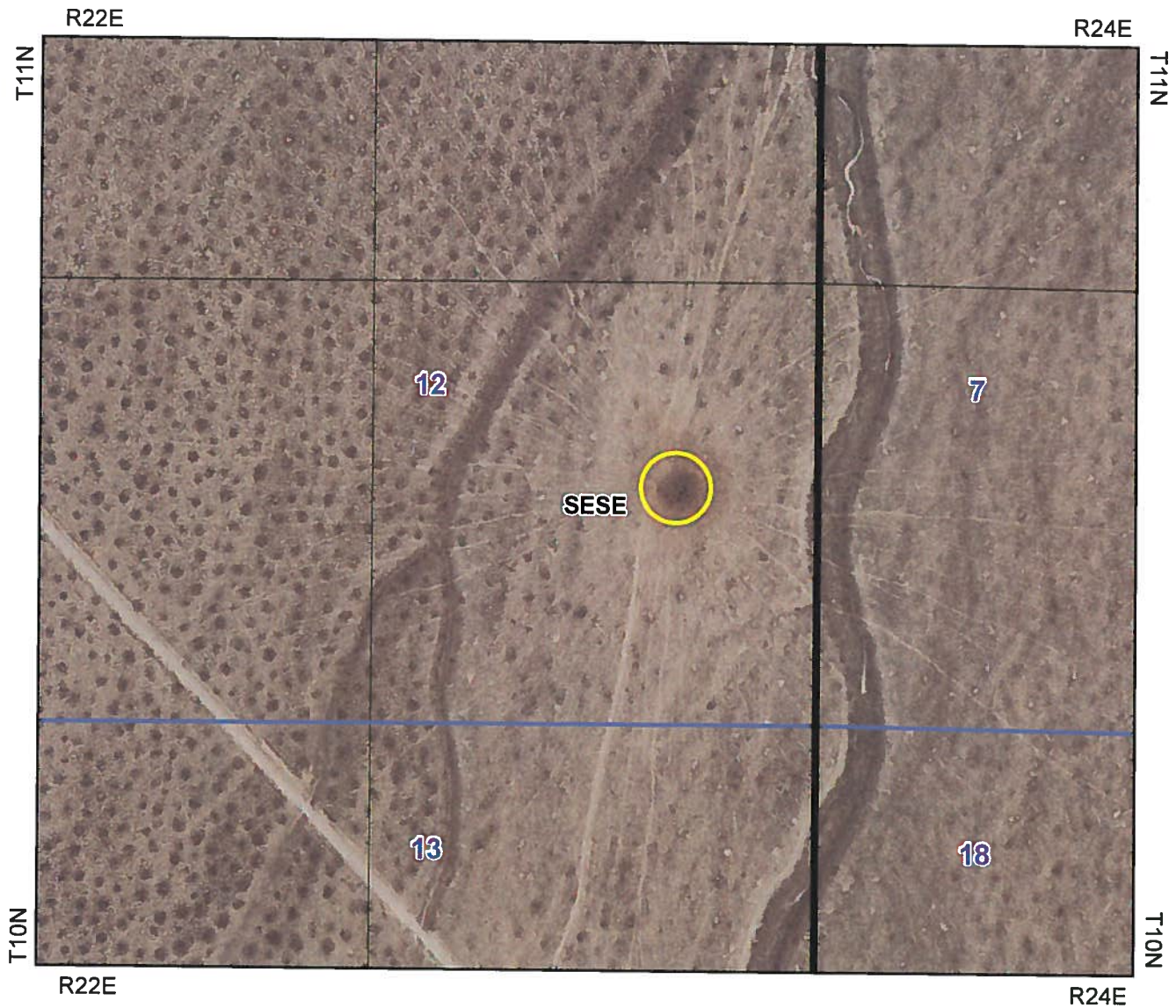


State of Idaho
Department of Water Resources

Place of Use - Trough Location

73-12167

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0 0.05 0.1 0.2 Miles

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

