

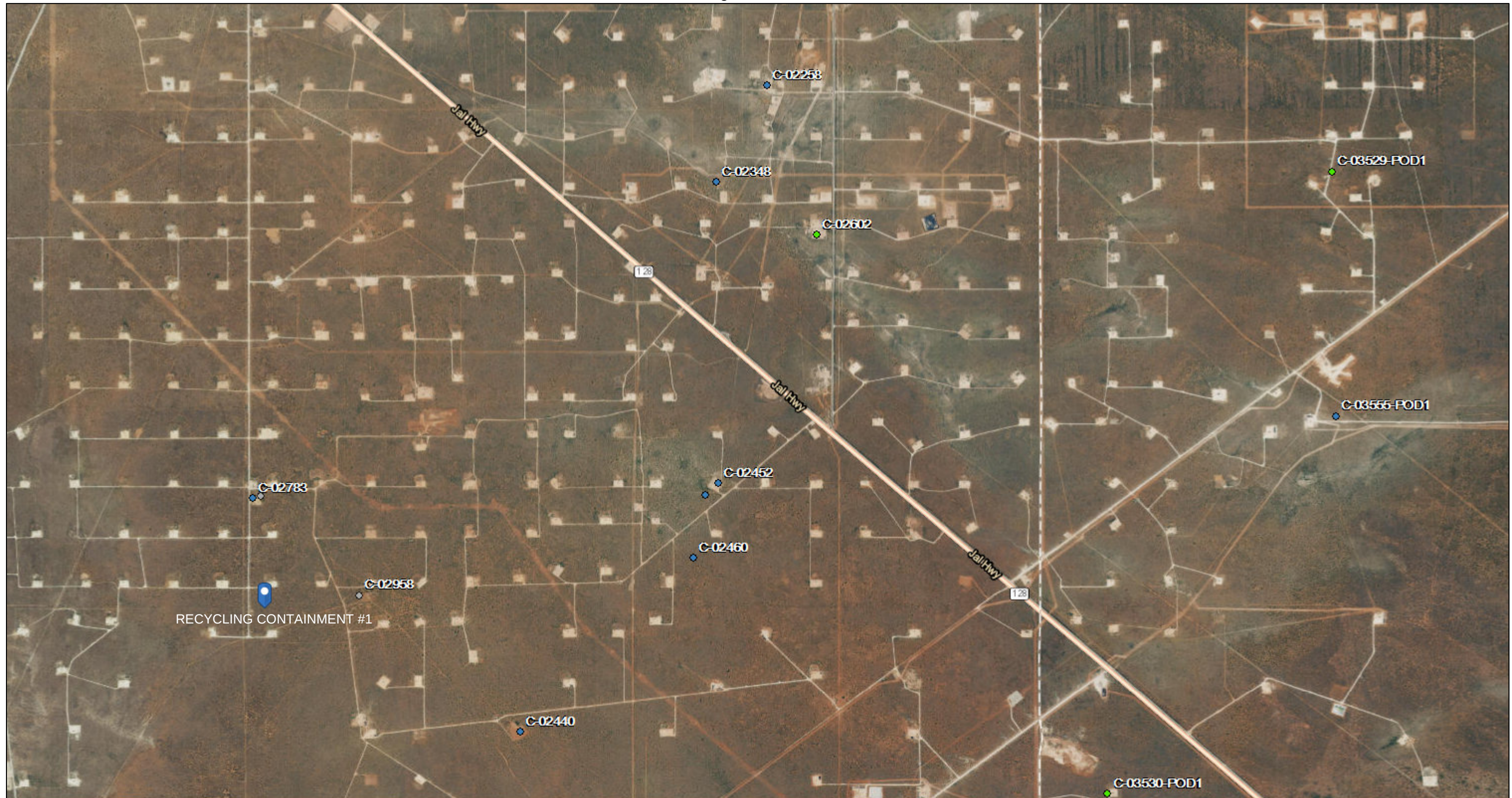


Appendices

Appendix 2 – Sand Dunes - Recycling Containment #1 Figures and Maps

OSE Well Locations - Recycling Containment #1

Figure 1a



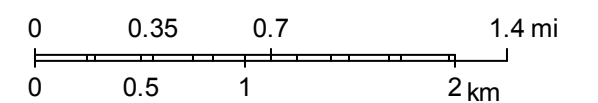
April 7, 2017

OSE Wells

- Other
- ACT
- PEN
- PLG

OSE District Boundary

1:36,112

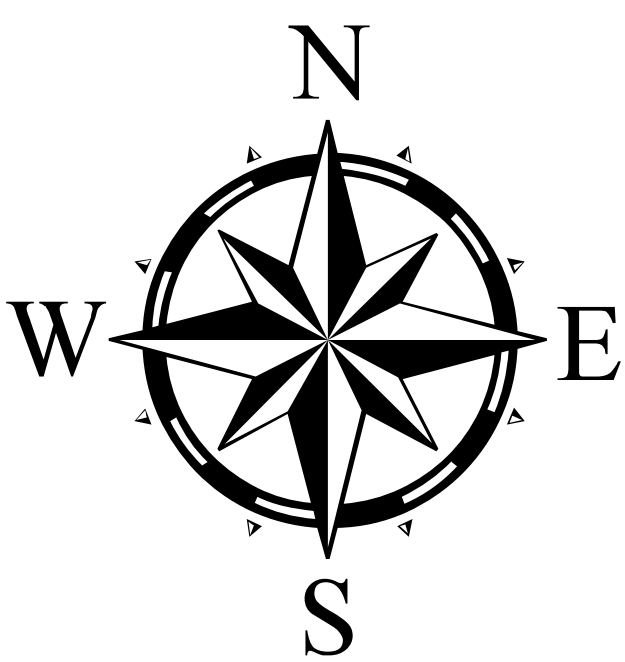
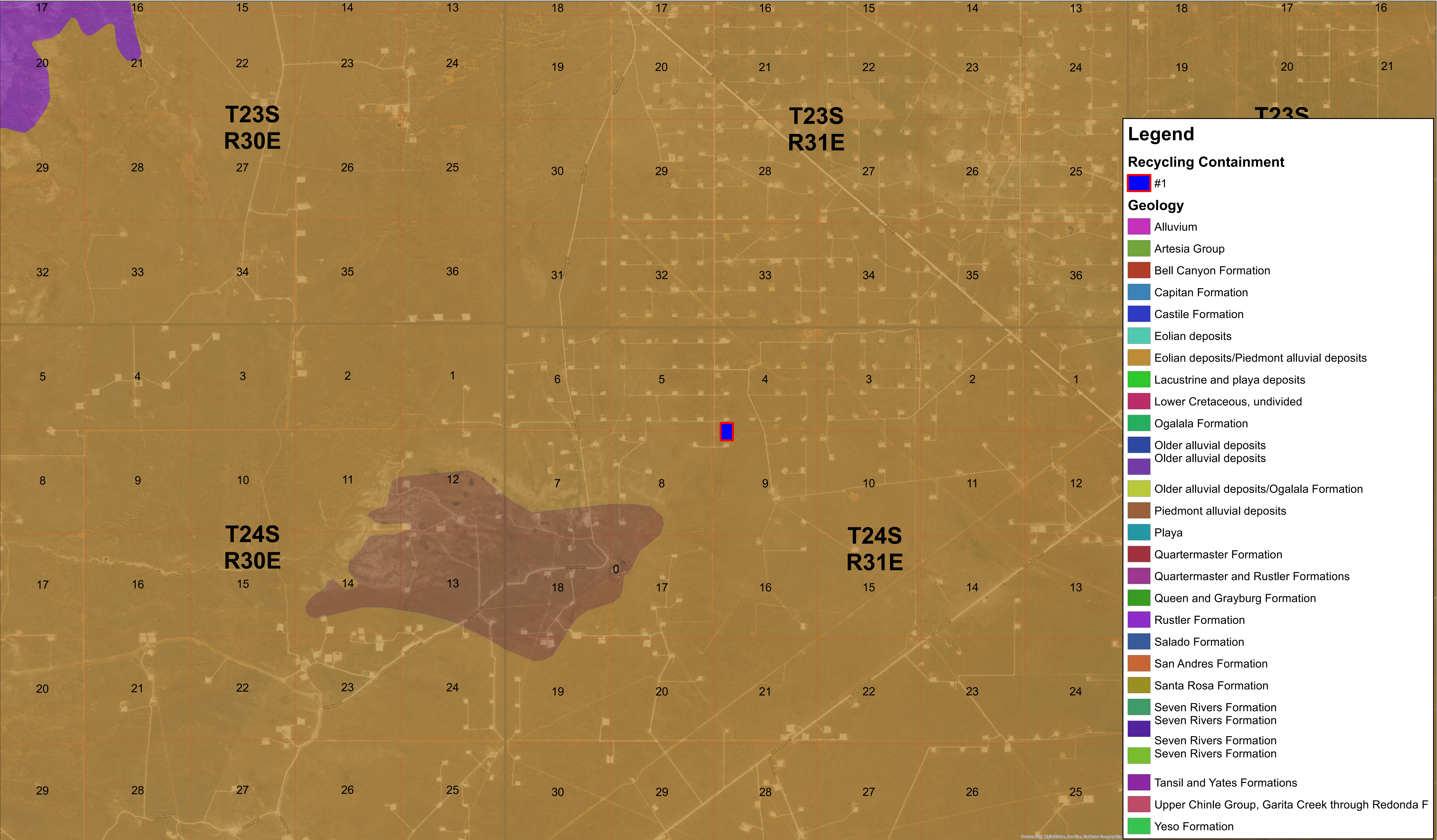


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Geologic Map

Figure 1a.1



Data obtained from BLM

1:25,000

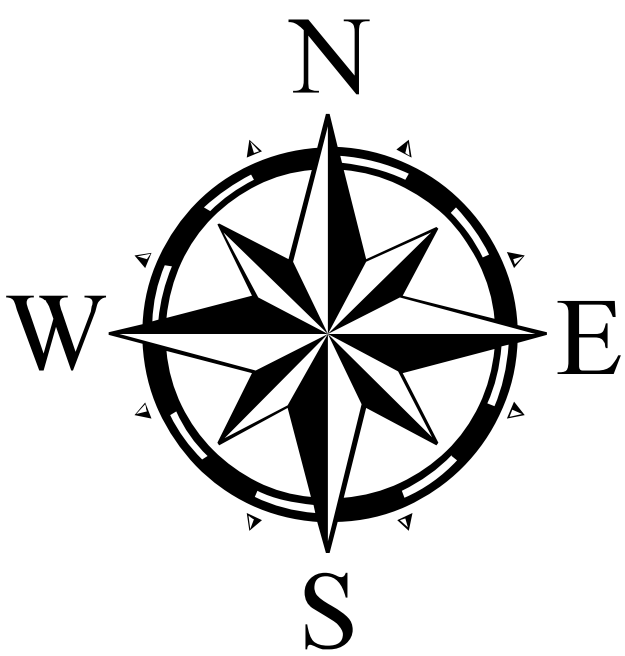
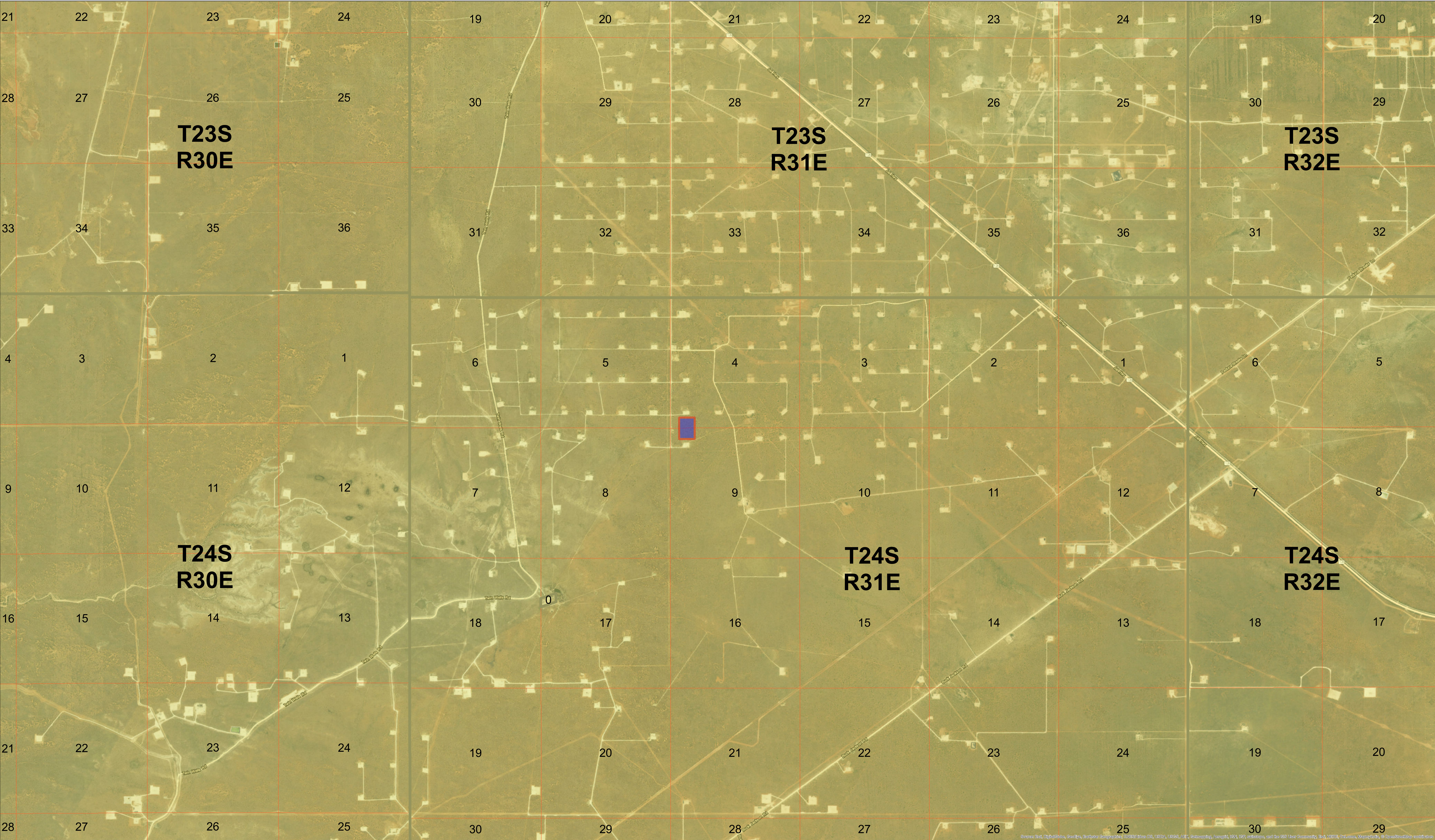
Date: 4/7/2017



Author: Dylan Allen

Aquifer Sensitivity - New Mexico Environment Department

Figure 1b



Data from NMED - Aquifer sensitivity maps prepared for NMED by Lee Wilson and Associates in 1989 have been digitized and are a data layer available on the NMED GIS webmap.
1:20,000

Depth to Ground Water/TDS (mg/L)	2,000 or less	2,000 to 10,000	greater than 10,000
less than 100 feet	highly sensitive	moderately sensitive	moderately sensitive
100-300 feet	moderately sensitive	moderately sensitive	less sensitive
greater than 300 feet	less sensitive	less sensitive	less sensitive

Recycling Containment Date: 4/7/2017

#1

Aquifer Sensitivity

Moderately Sensitive

Less Sensitive

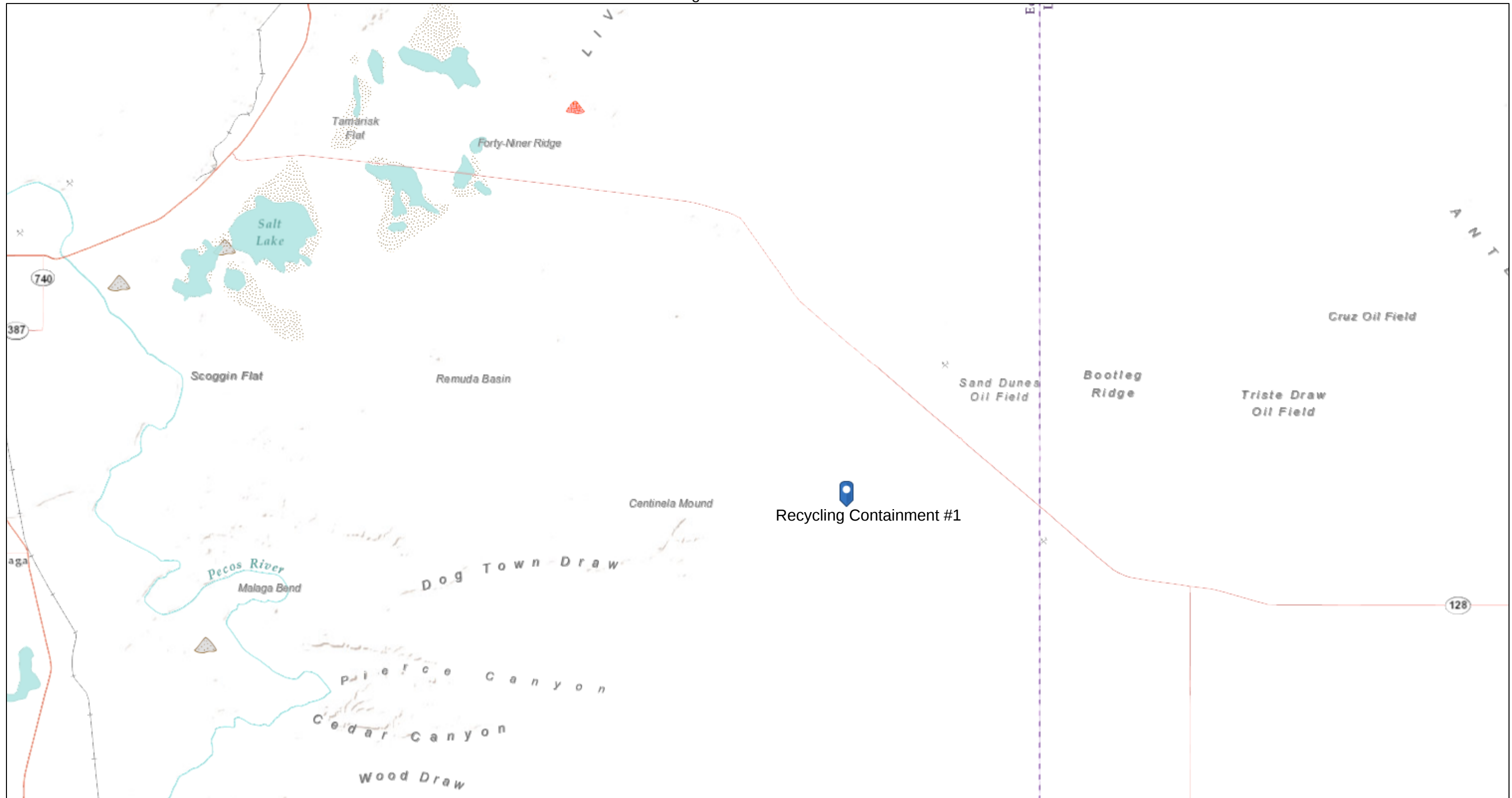
Highly Sensitive



Author: Dylan Allen

Recycling Containment #1 - Active Mines in New Mexico

Figure 1c

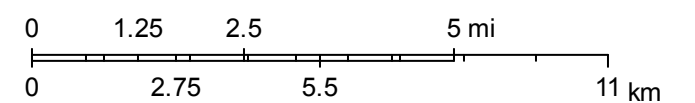


March 9, 2017

Active Mines, registered

- × Aggregate, Stone etc.
- ▲ Potash
- ▲ Salt

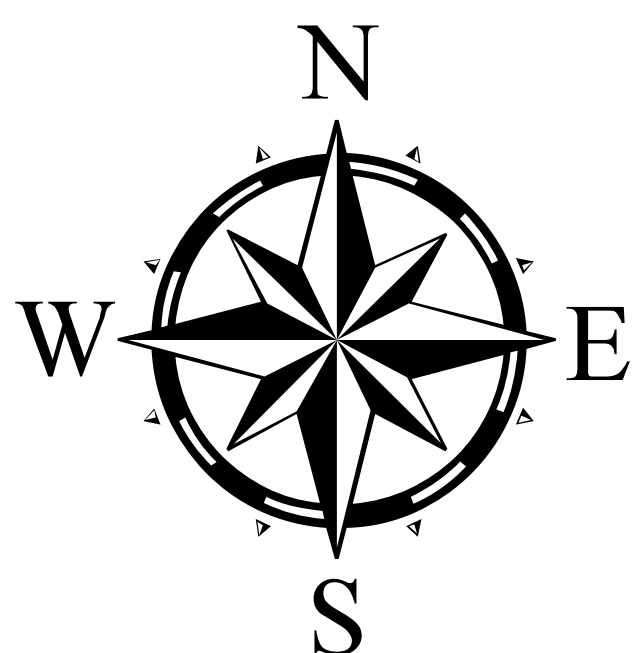
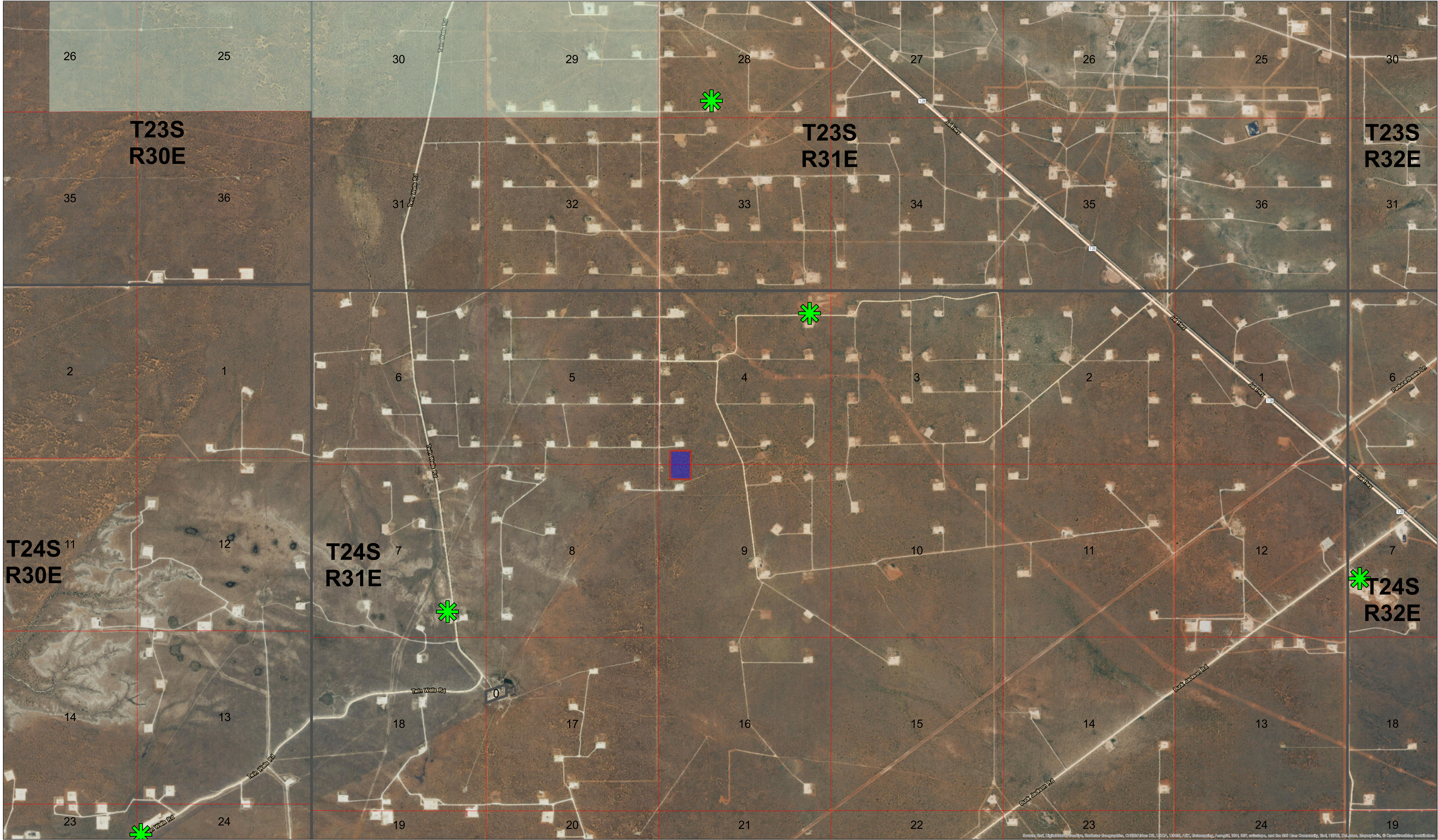
1:144,448



Sources: Esri, DeLorme, USGS, NPS
Sources: Esri, USGS, NOAA

Potash Leases and Caliche Pits

Figure 1d



Layers obtained from the BLM

1:15,000

Mines

Caliche Pits

Recycling Containment

#1

Potash

Leases

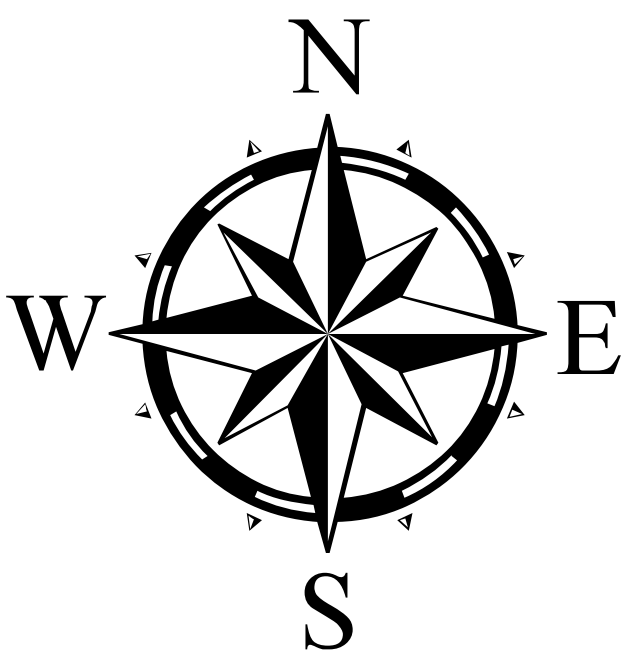
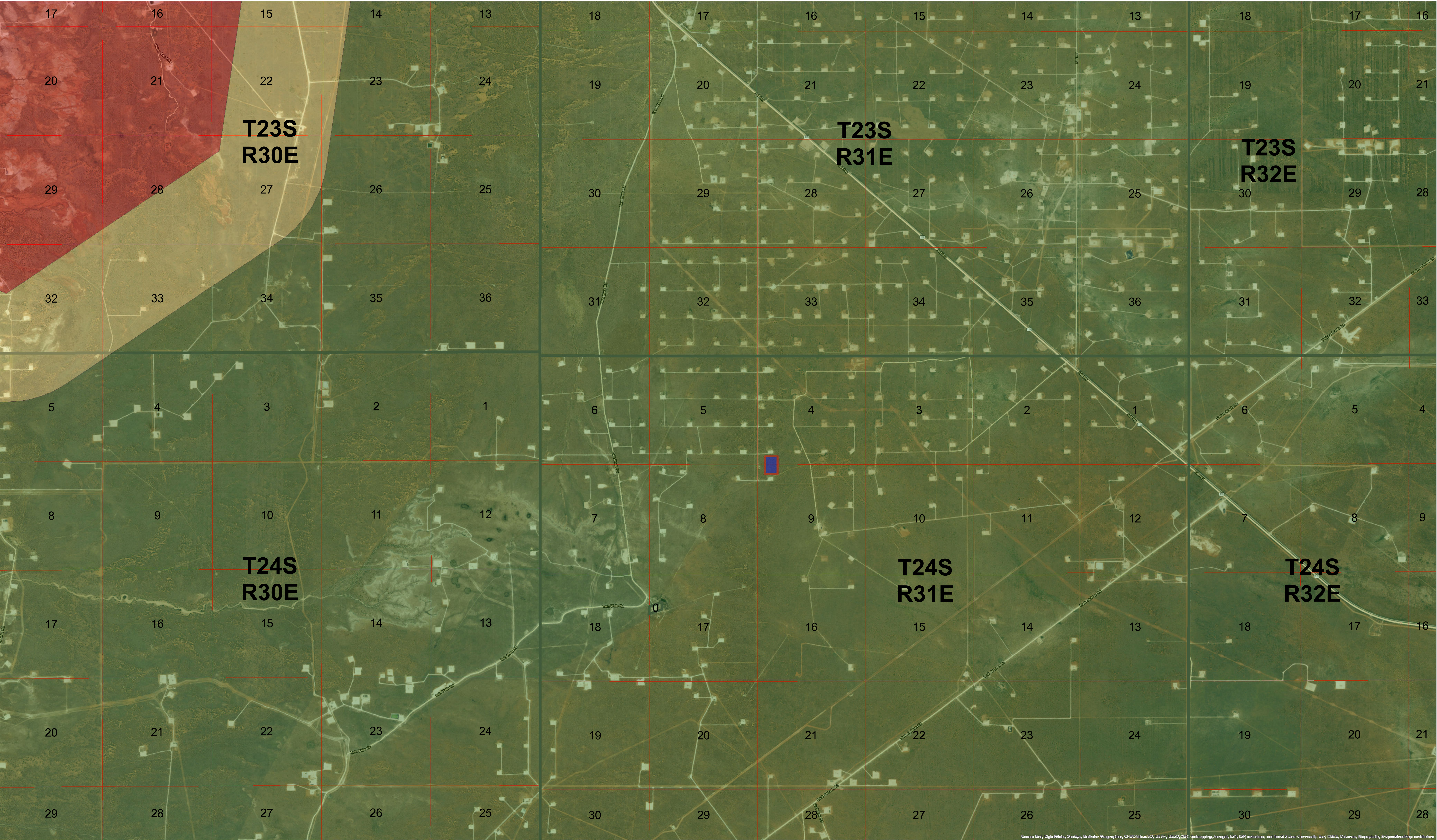
Date: 4/6/2017



Author: Dylan Allen

Karst Potential

Figure 1f



Layers obtained from the BLM

1:24,000

Recycling Containment

#1

Potential

High

Low

Medium

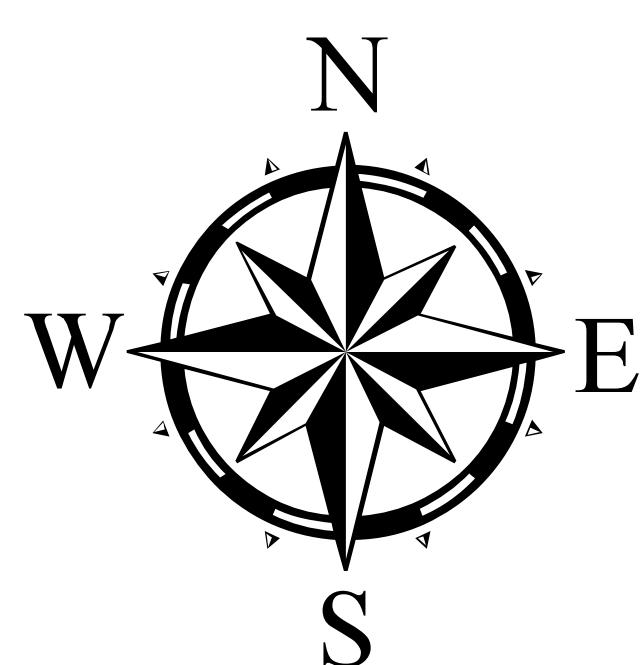
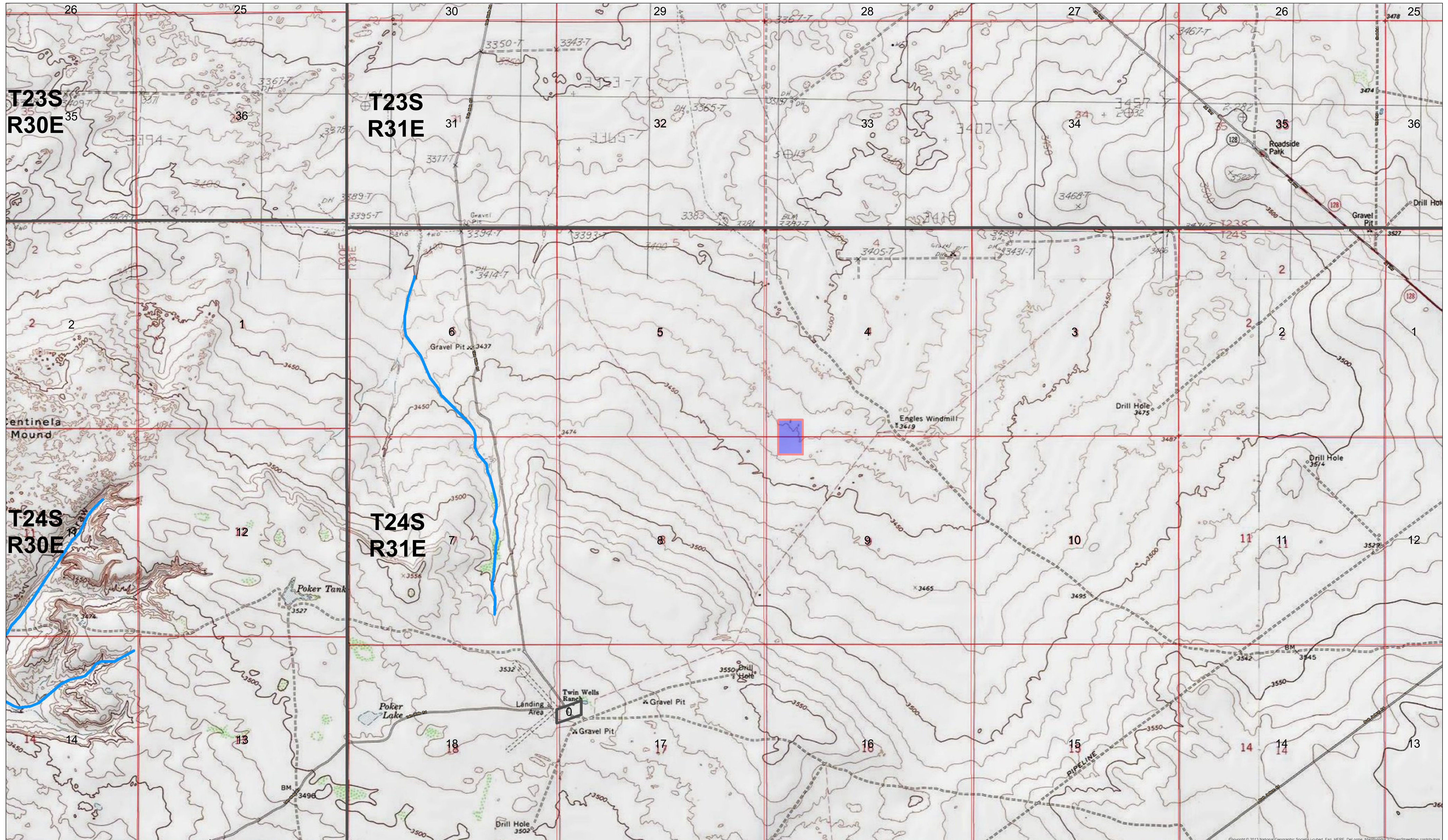
Date: 4/6/2017



Author: Dylan Allen

Topographic/BLM Streams and Rivers

Figure 1g



Layers obtained from the BLM

1:12,500

Recycling Containment

#1

BLM

—Streams and Rivers

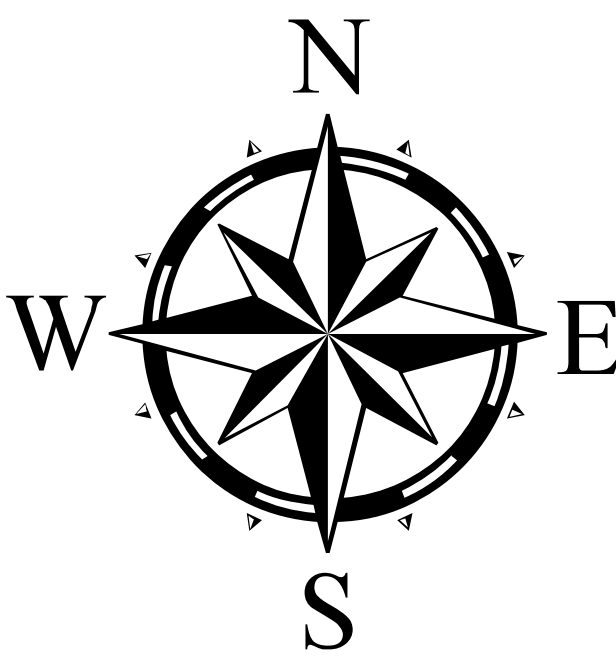
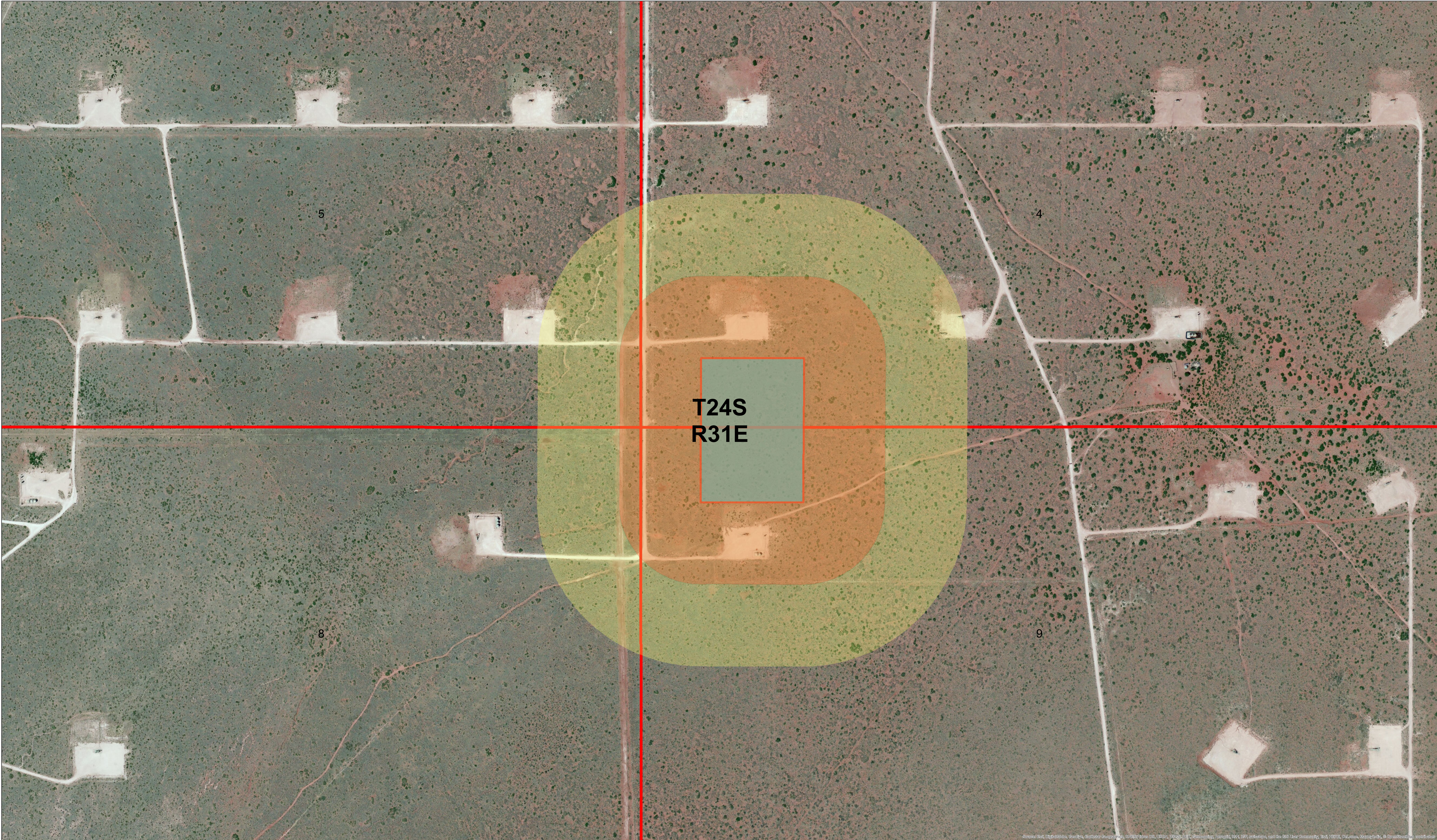
Date: 4/6/2017



Author: Dylan Allen

Nearby Structures

Figure 1h



1:3,000

Date: 4/6/2017

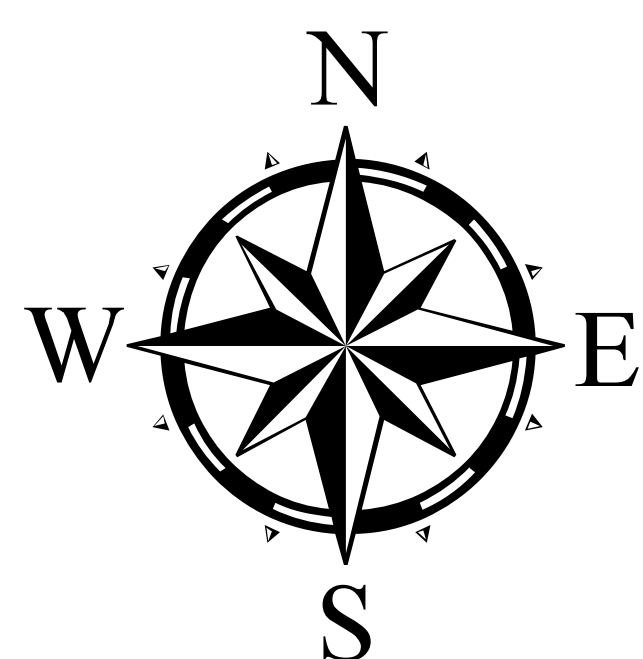
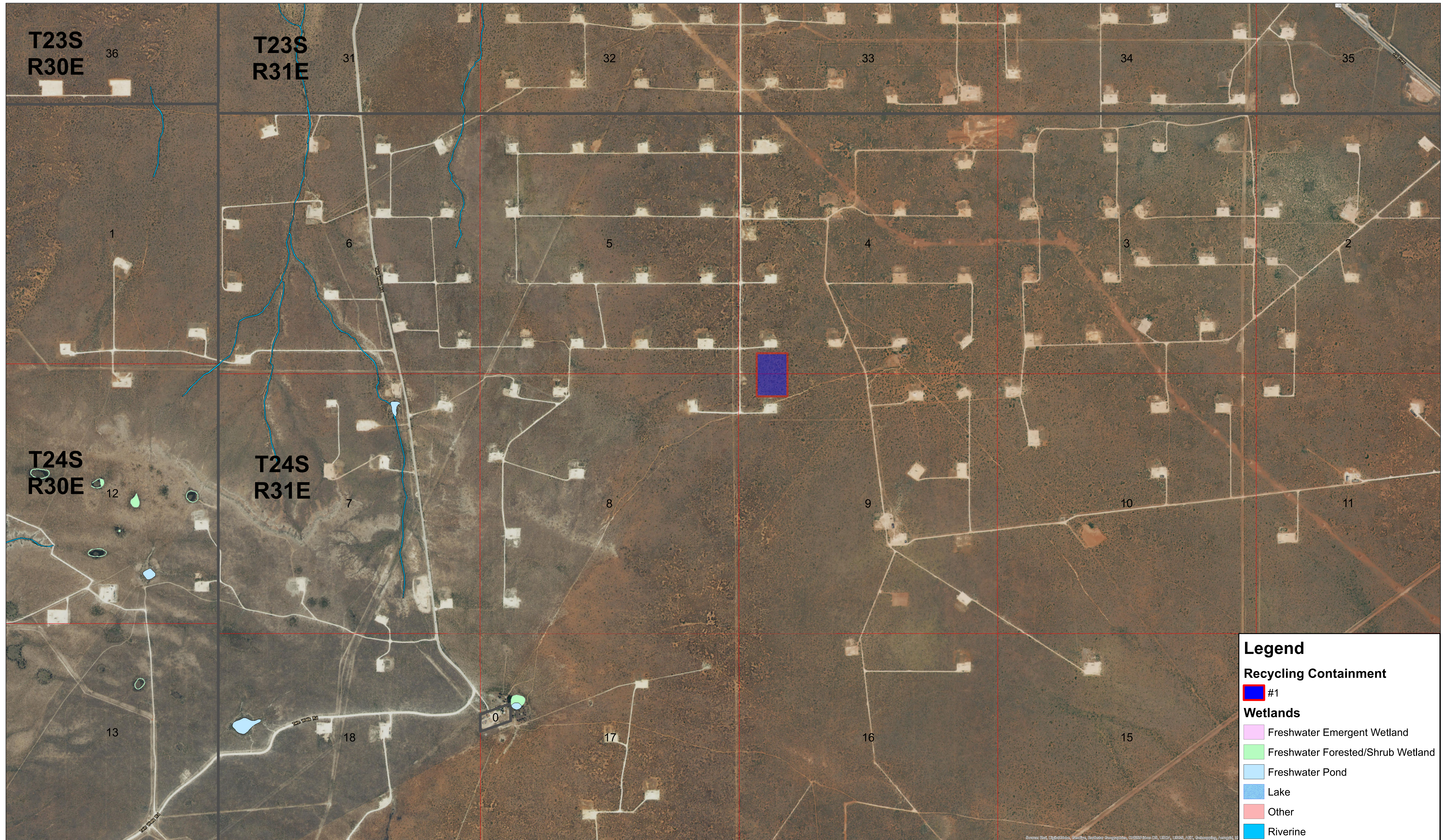
- 1000ft. Buffer
- 500ft. Buffer
- Recycling Containment - #1



Author: Dylan Allen

Wetlands

Figure 1i



Layers obtained from the US Fish and Wildlife Wetland Identification Map

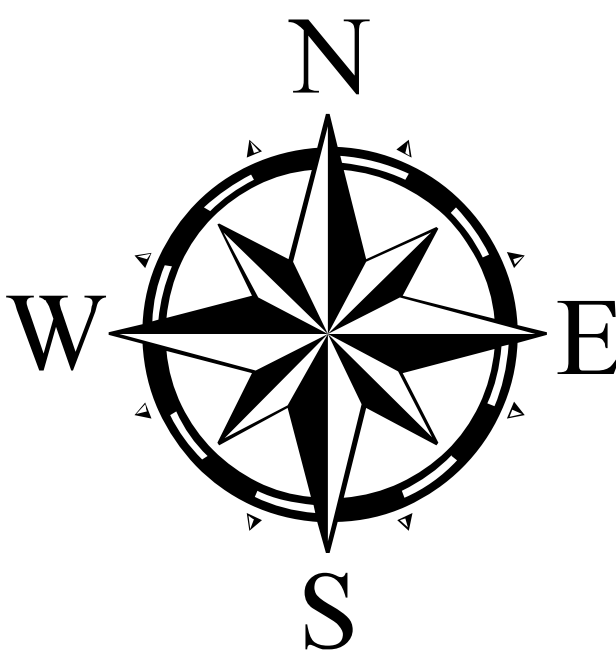
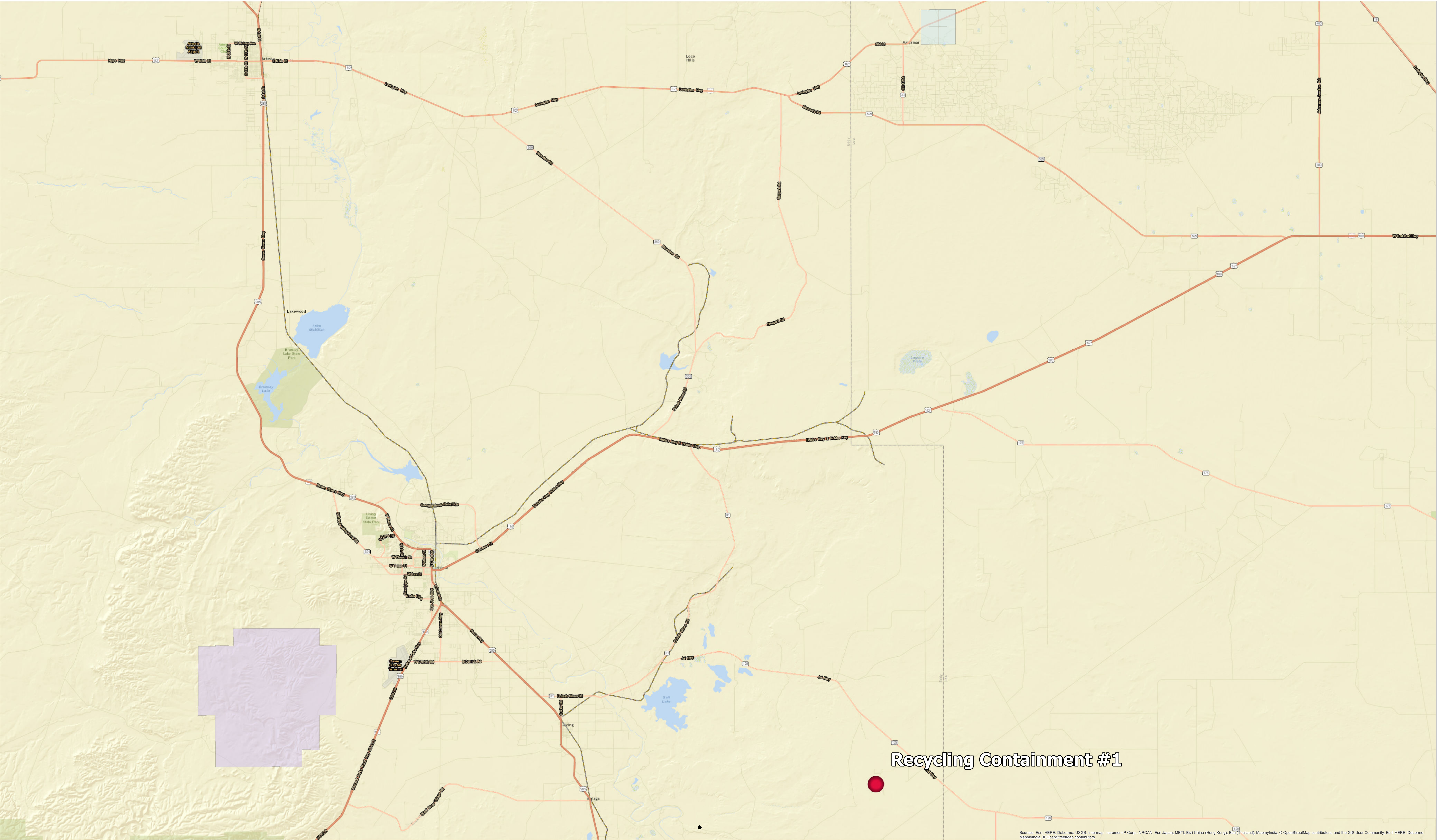
Date: 4/6/2017



Author: Dylan Allen

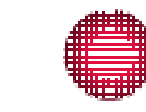
Municipalities/Defined Fresh Water Well Fields

Figure 1j



Layers obtained from the City of Carlsbad
1:150,000

Recycling Containment

-  #1
-  Double Eagle Wellfield
-  Sheep Draw

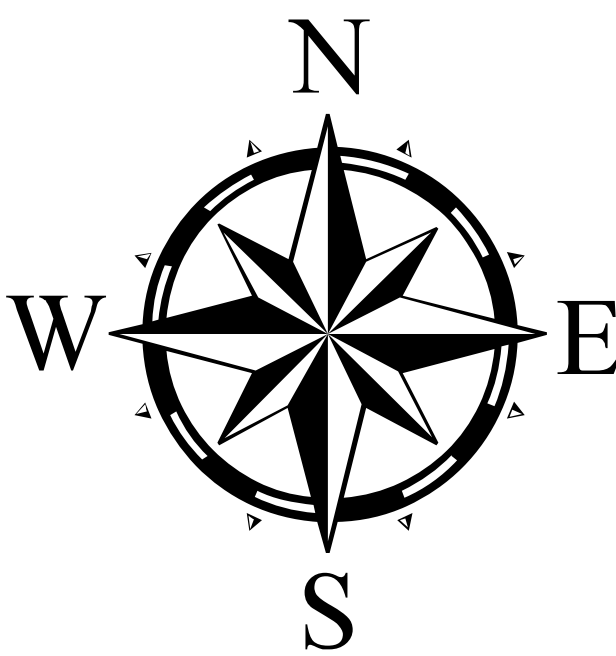
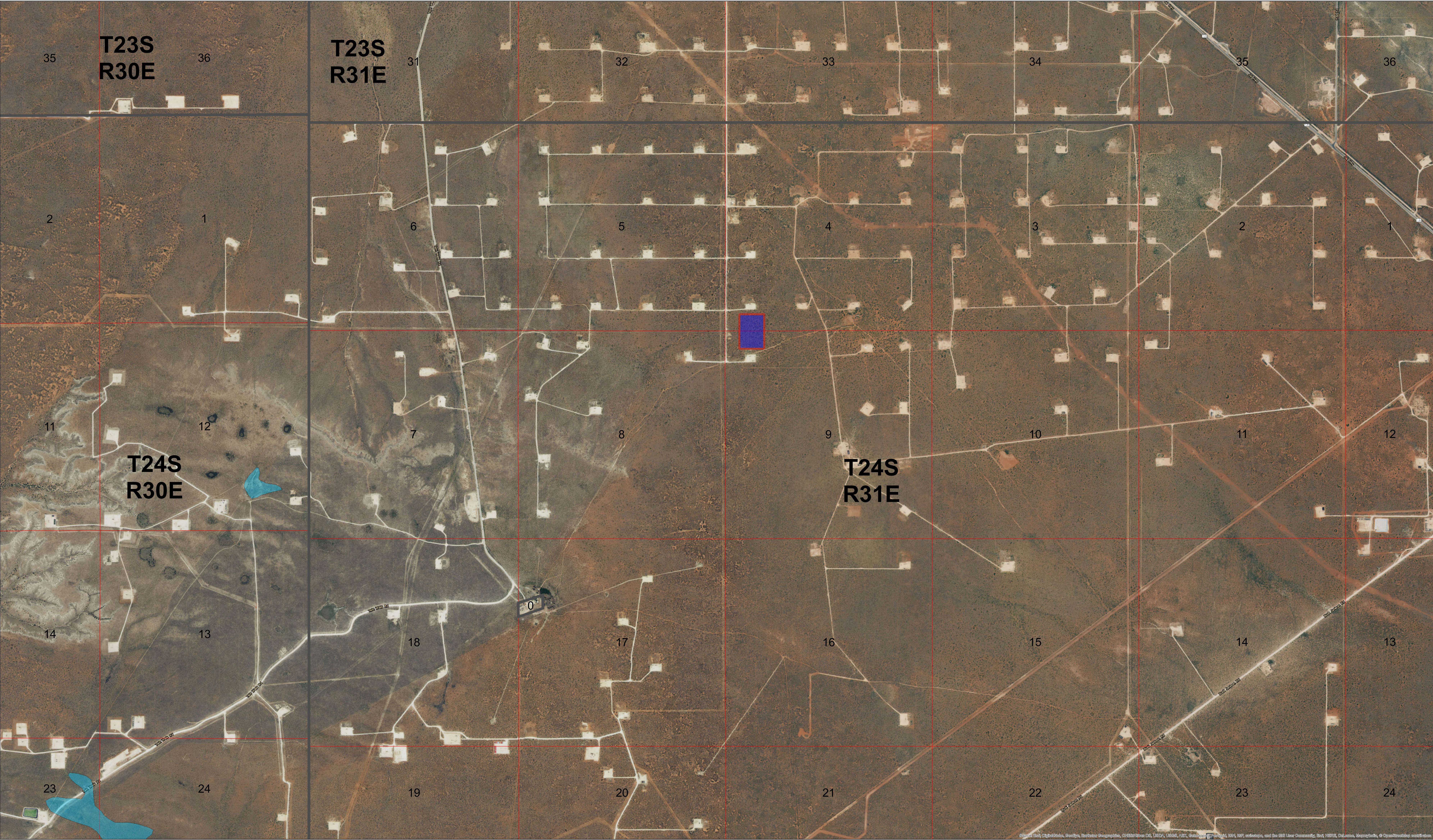
Date: 3/21/2017



Author: Dylan Allen

FEMA Flood Zones

Figure 1k



Layers obtained from the BLM
1:12,500

Recycling Containment

#1

FEMA Flood Zones

100 Year Floodplain

Date: 4/6/2017



Author: Dylan Allen