



Appendices

Appendix 3 – Mesa Verde - Recycling Containment #2 Figures and Maps

OSE Well Locations - Recycling Containment #2

Figure 2a



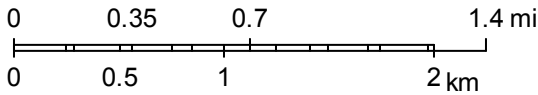
March 8, 2017

OSE Wells

- Other
- ACT
- PEN

OSE District Boundary

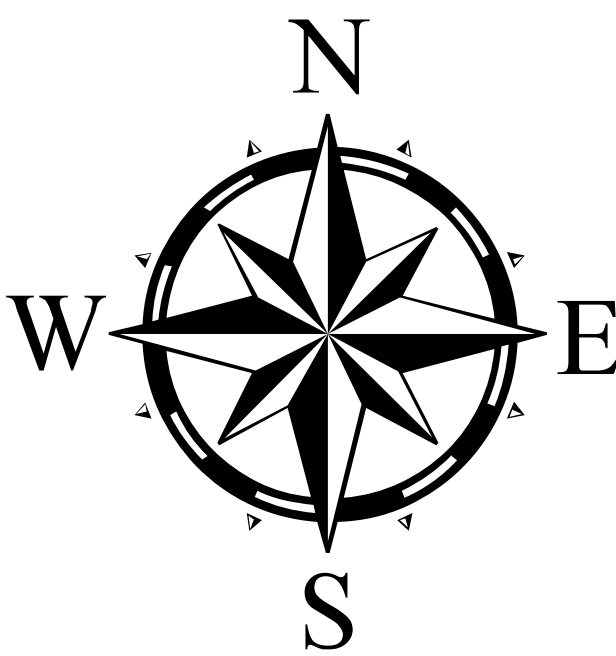
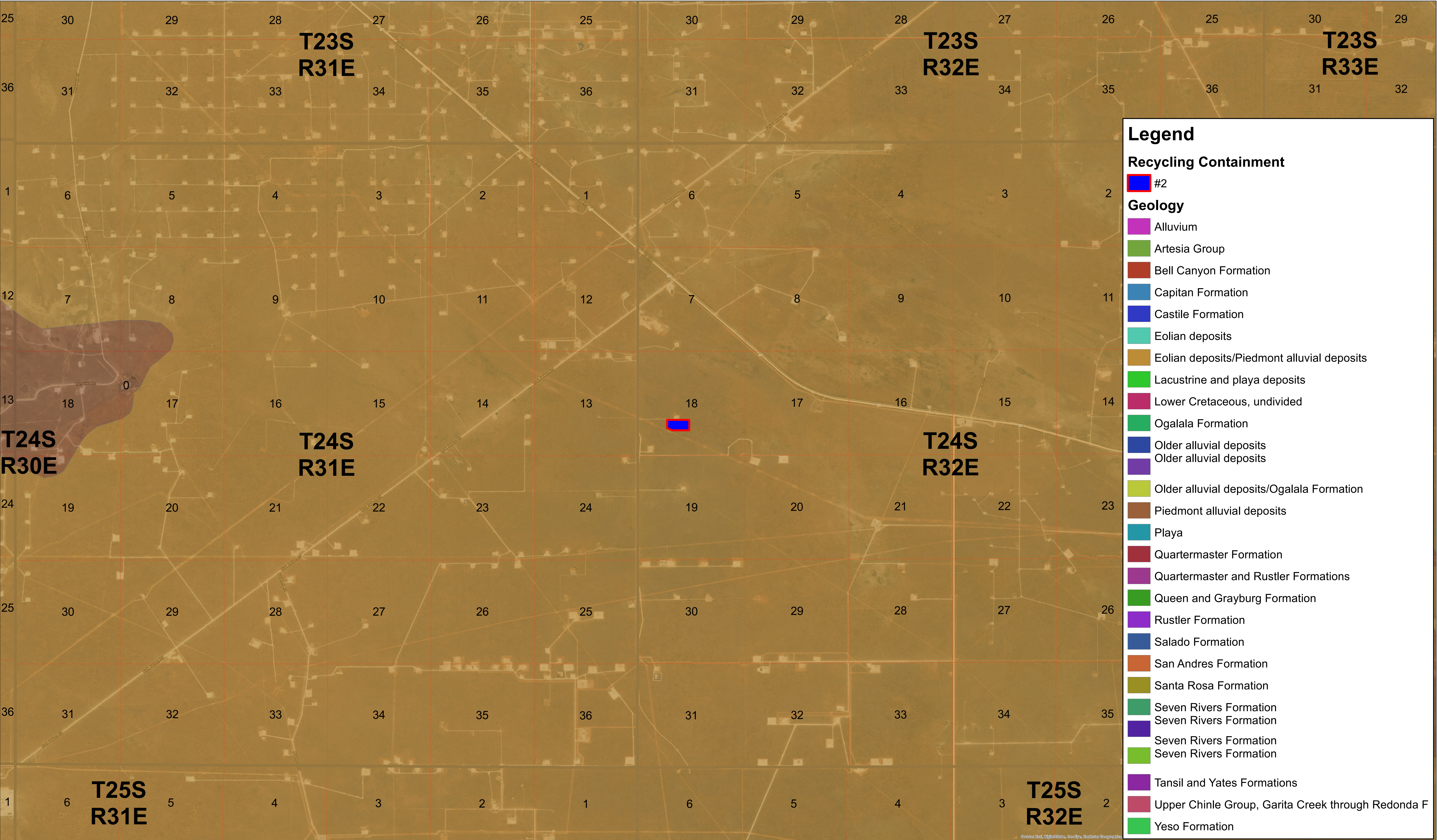
1:36,112



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Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors,
and the GIS user community
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics,

Geologic Map

Figure 2a.1



Data obtained from BLM

1:25,000

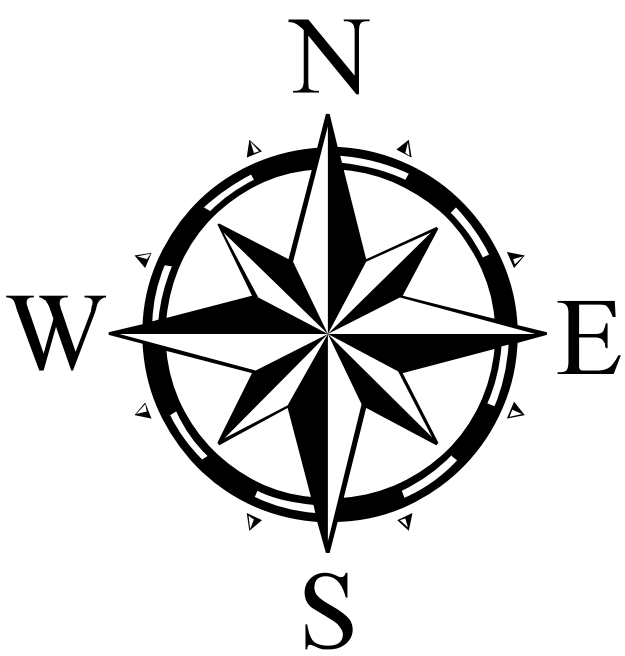
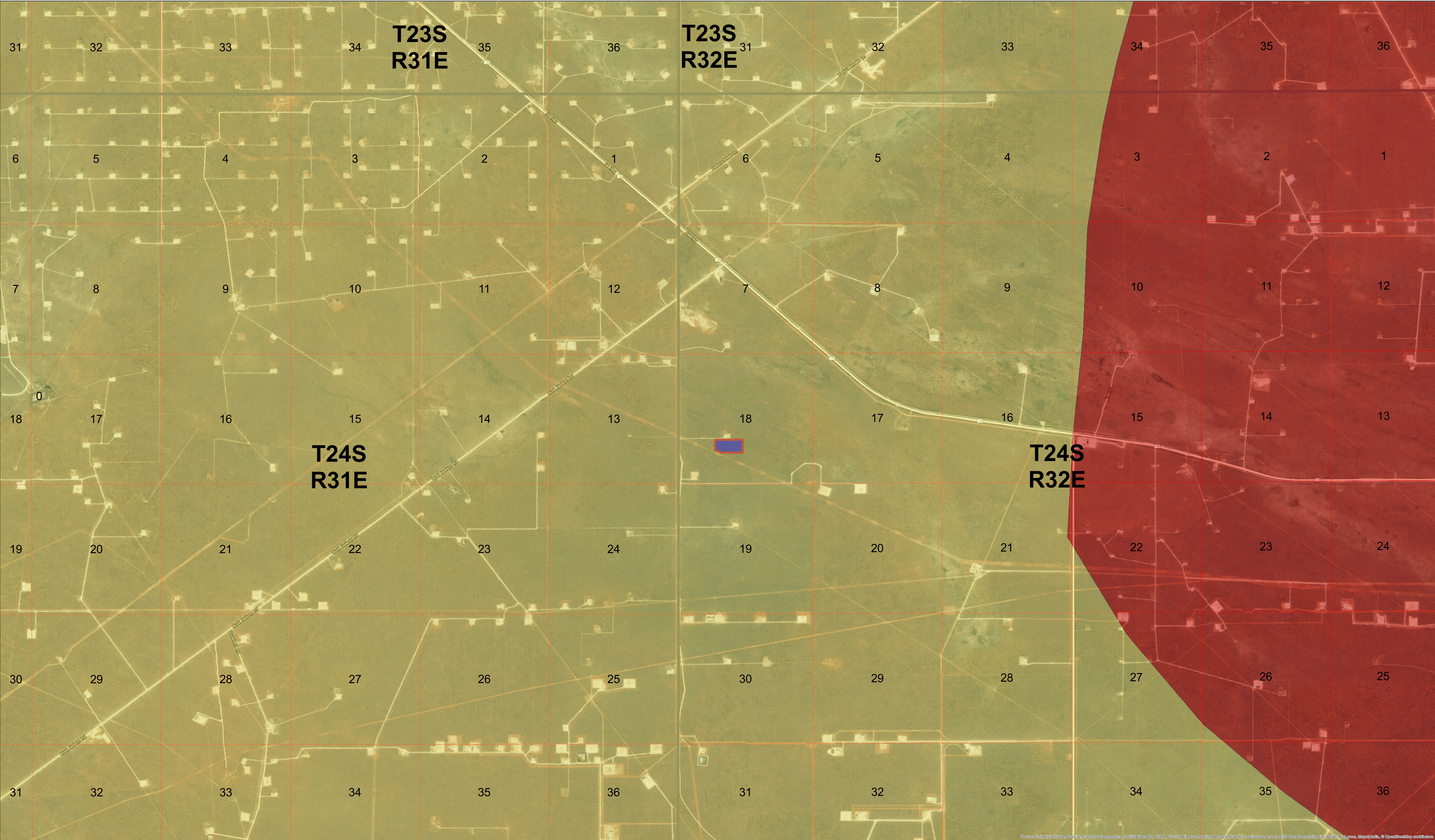
Date: 4/7/2017



Author: Dylan Allen

Aquifer Sensitivity - New Mexico Environment Department

Figure 2b



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: 4/6/2017

#2

Aquifer Sensitivity

Moderately Sensitive

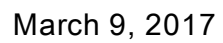
Less Sensitive

Highly Sensitive



Author: Dylan Allen

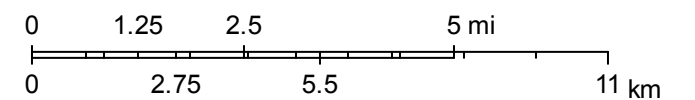
Figure 2c



✕ Aggregate, Stone etc.

 Potash Salt

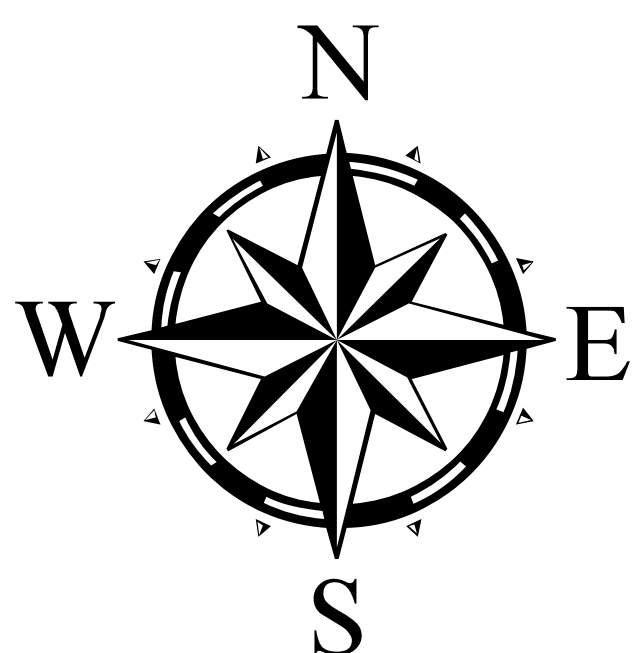
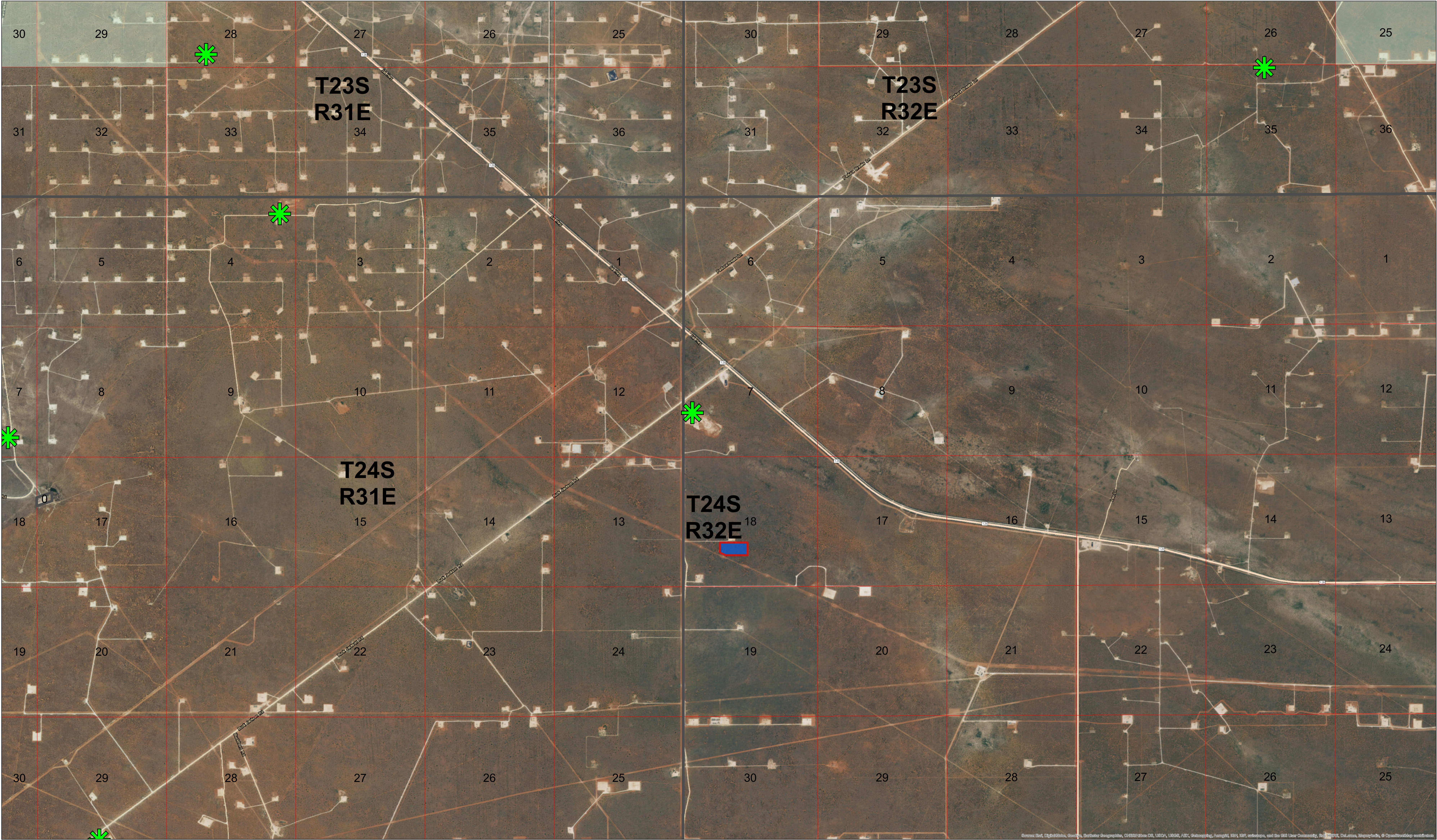
1:144,448



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

Potash Leases and Caliche Pits

Figure 2d



Layers obtained from the BLM

1:20,000

Mines

Caliche Pits

Recycling Containment

#2

Potash

Leases

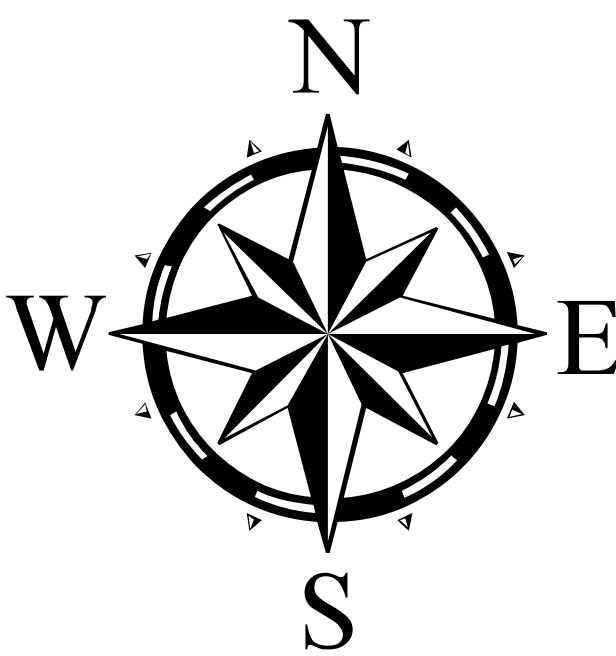
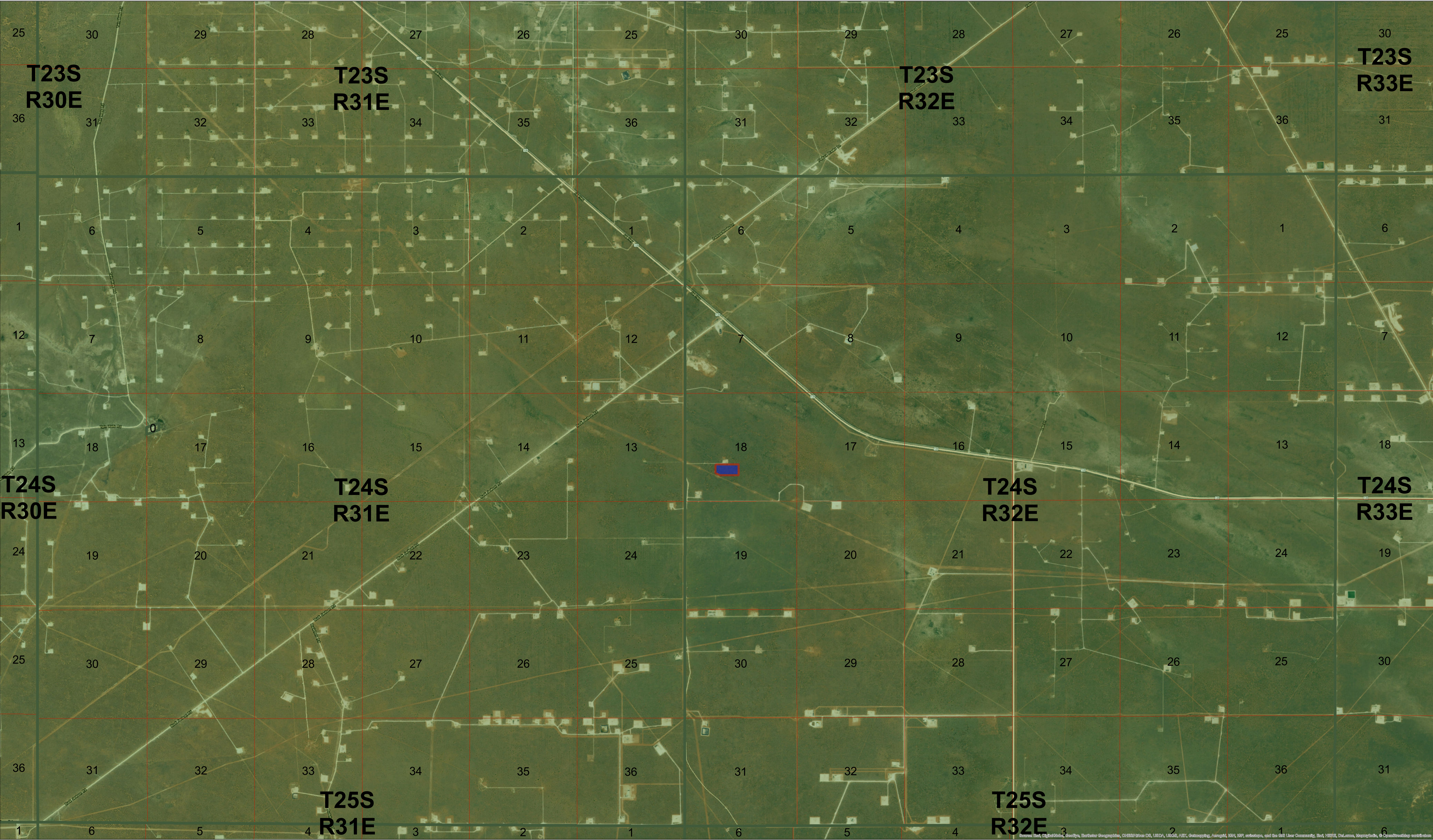
Date: 4/6/2017



Author: Dylan Allen

Karst Potential

Figure 2f



Layers obtained from the BLM

1:24,000

Recycling Containment

#2

Potential

High

Low

Medium

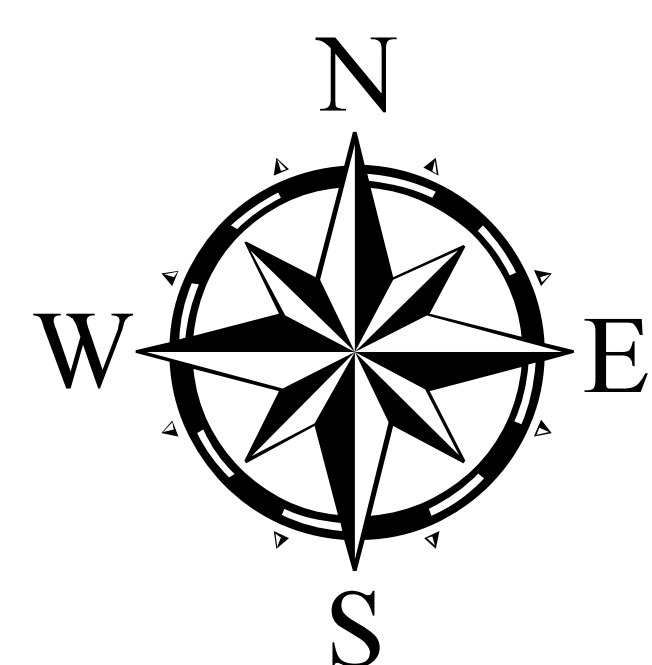
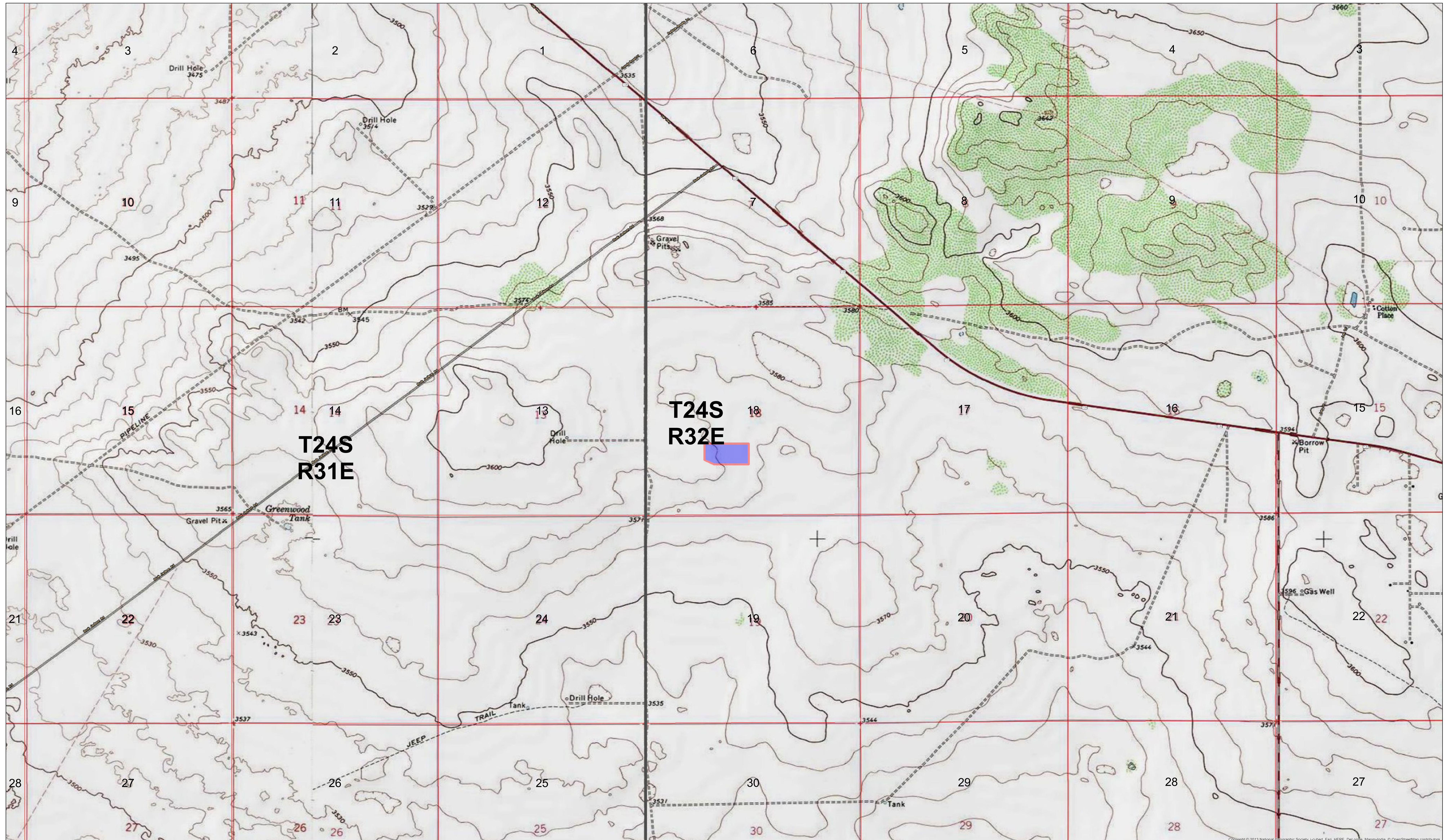
Date: 4/6/2017



Author: Dylan Allen

Topographic/BLM Streams and Rivers

Figure 2g



Layers obtained from the BLM

1:12,500

Date: 4/6/2017

Recycling Containment

#2

BLM

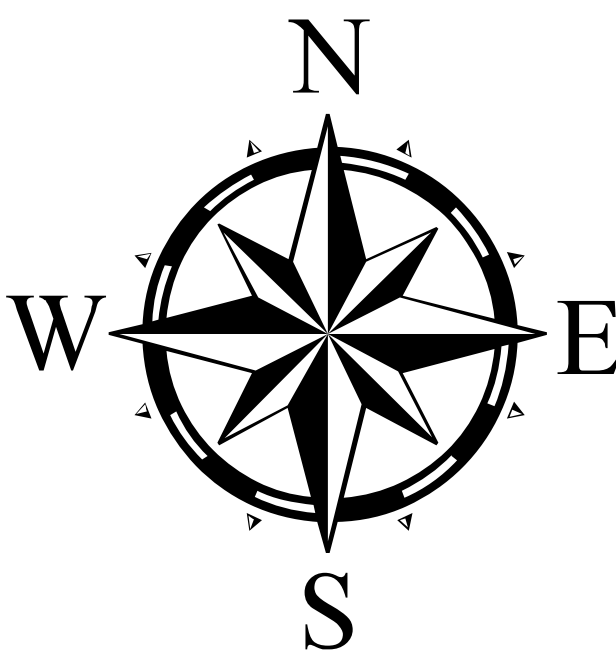
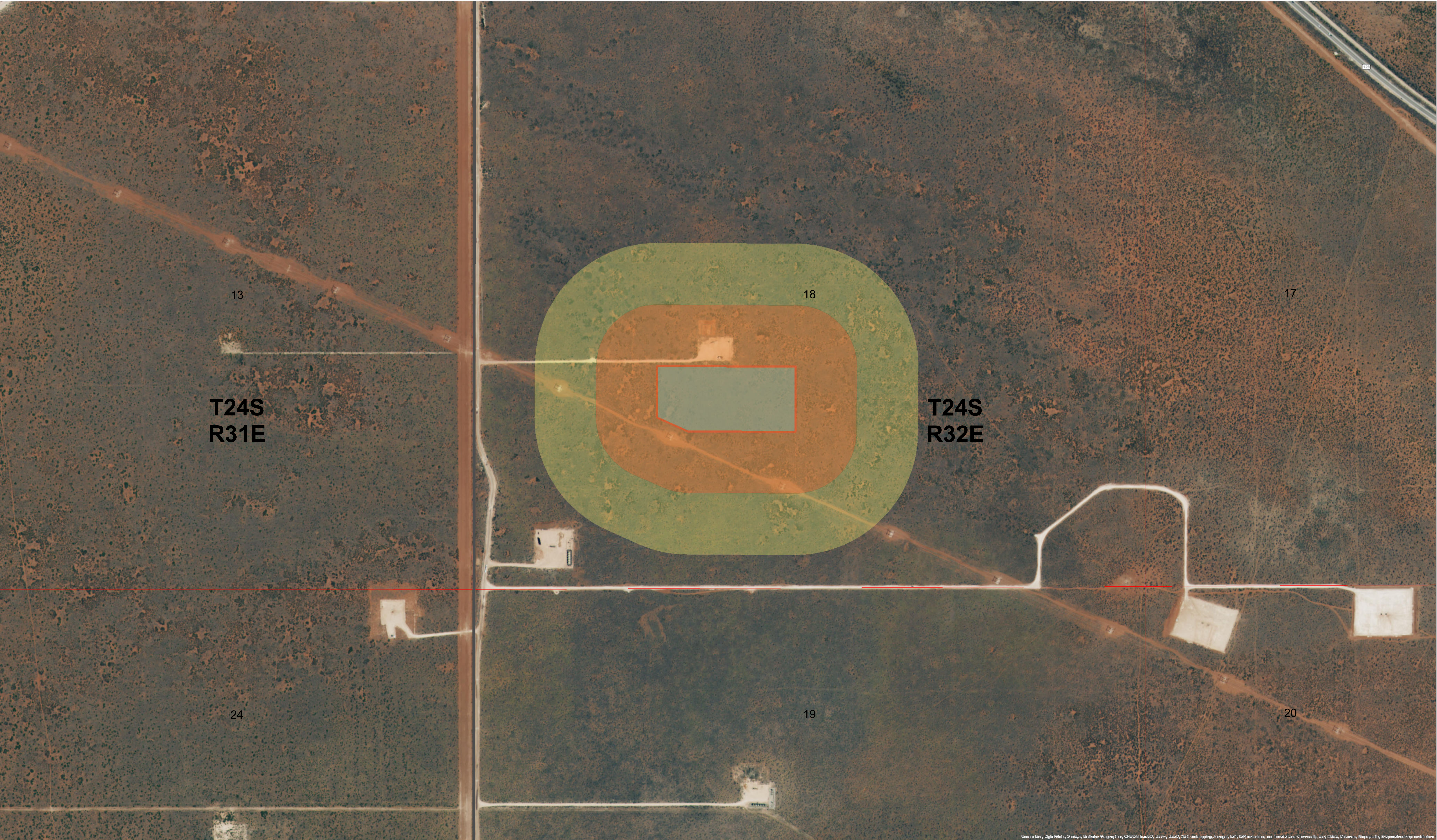
Streams and Rivers



Author: Dylan Allen

Nearby Structures

Figure 2h



1:4,000

- 1000ft. Buffer
- 500ft. Buffer
- Recycling Containment - #2

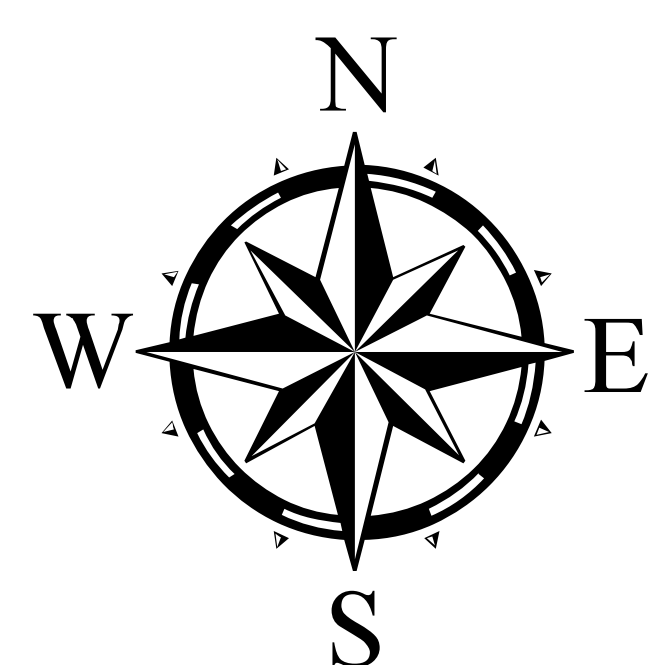
Date: 4/6/2017



Author: Dylan Allen

Wetlands

Figure 2i



Layers obtained from the US Fish and Wildlife Wetland Identification Map
1:10,000

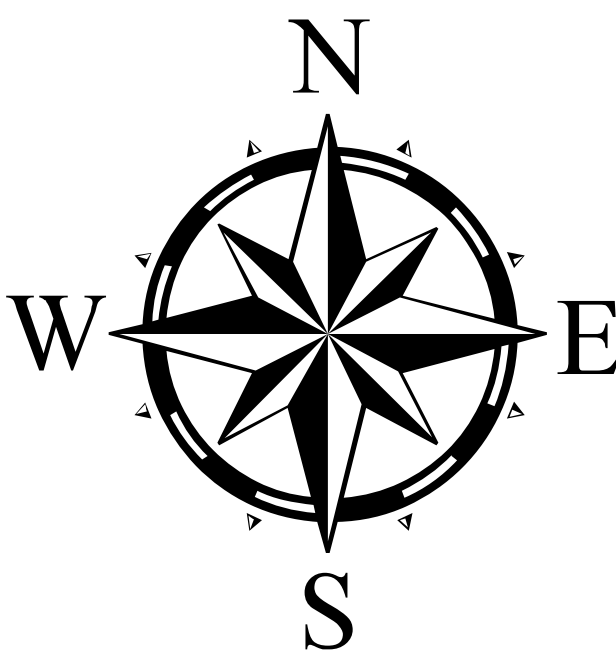
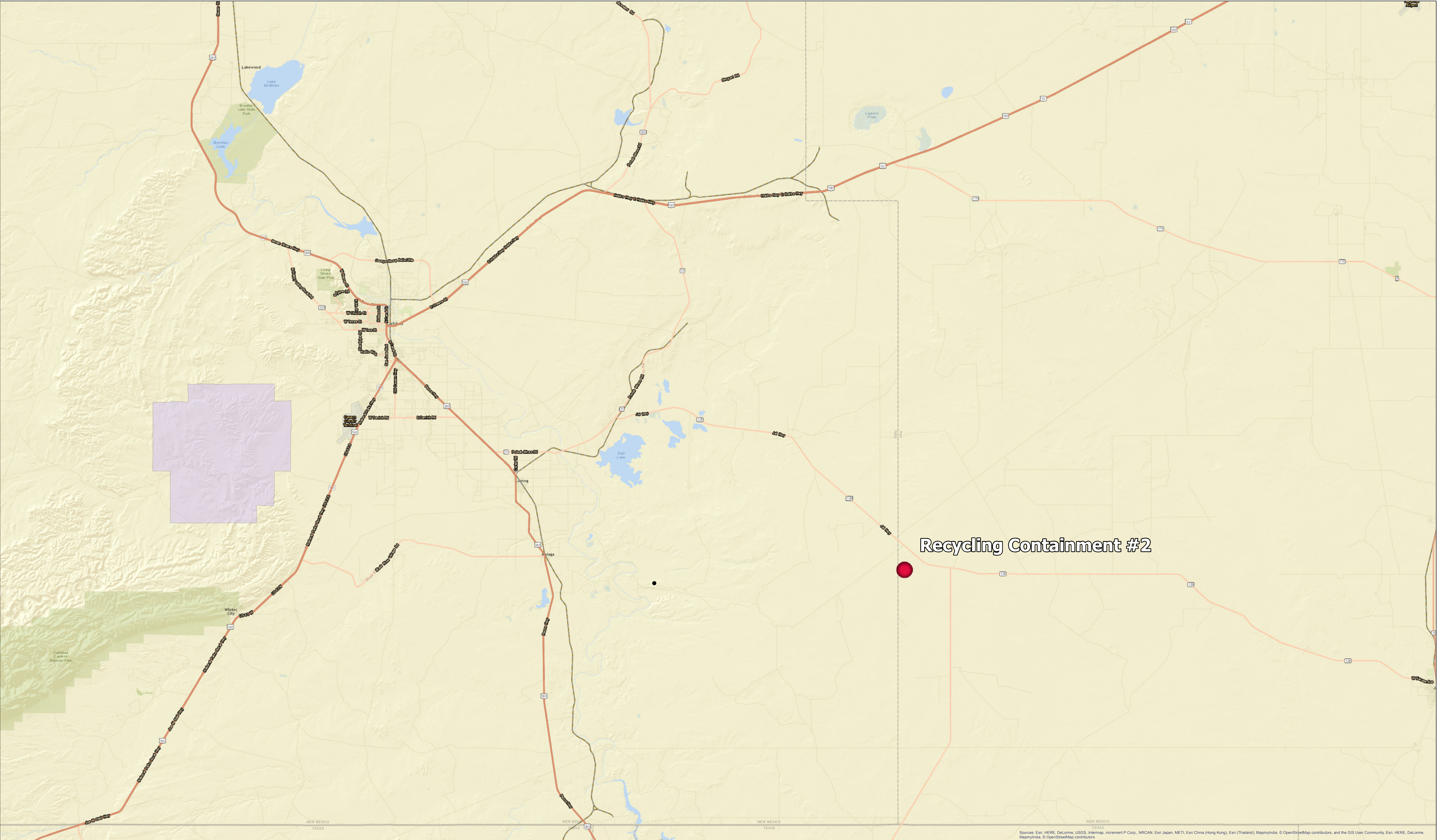
Date: 4/6/2017



Author: Dylan Allen

Municipalities/Defined Fresh Water Well Fields

Figure 2j



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

Recycling Containment #2

-  #2
-  Double Eagle Wellfield
-  Sheep Draw

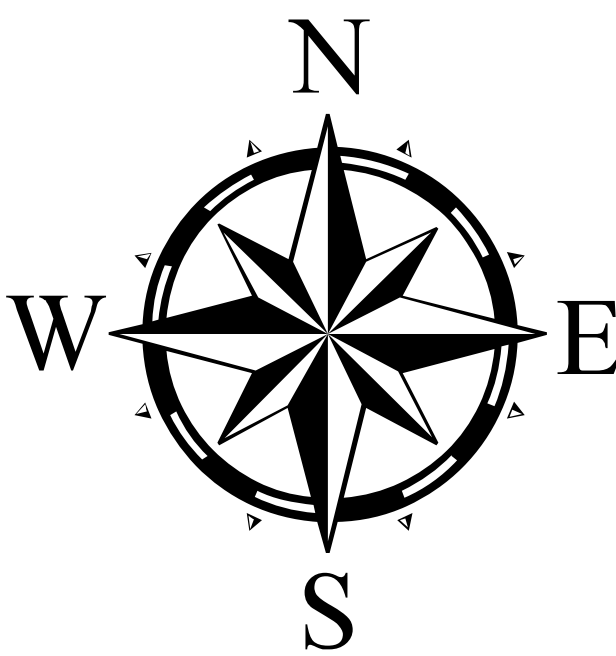
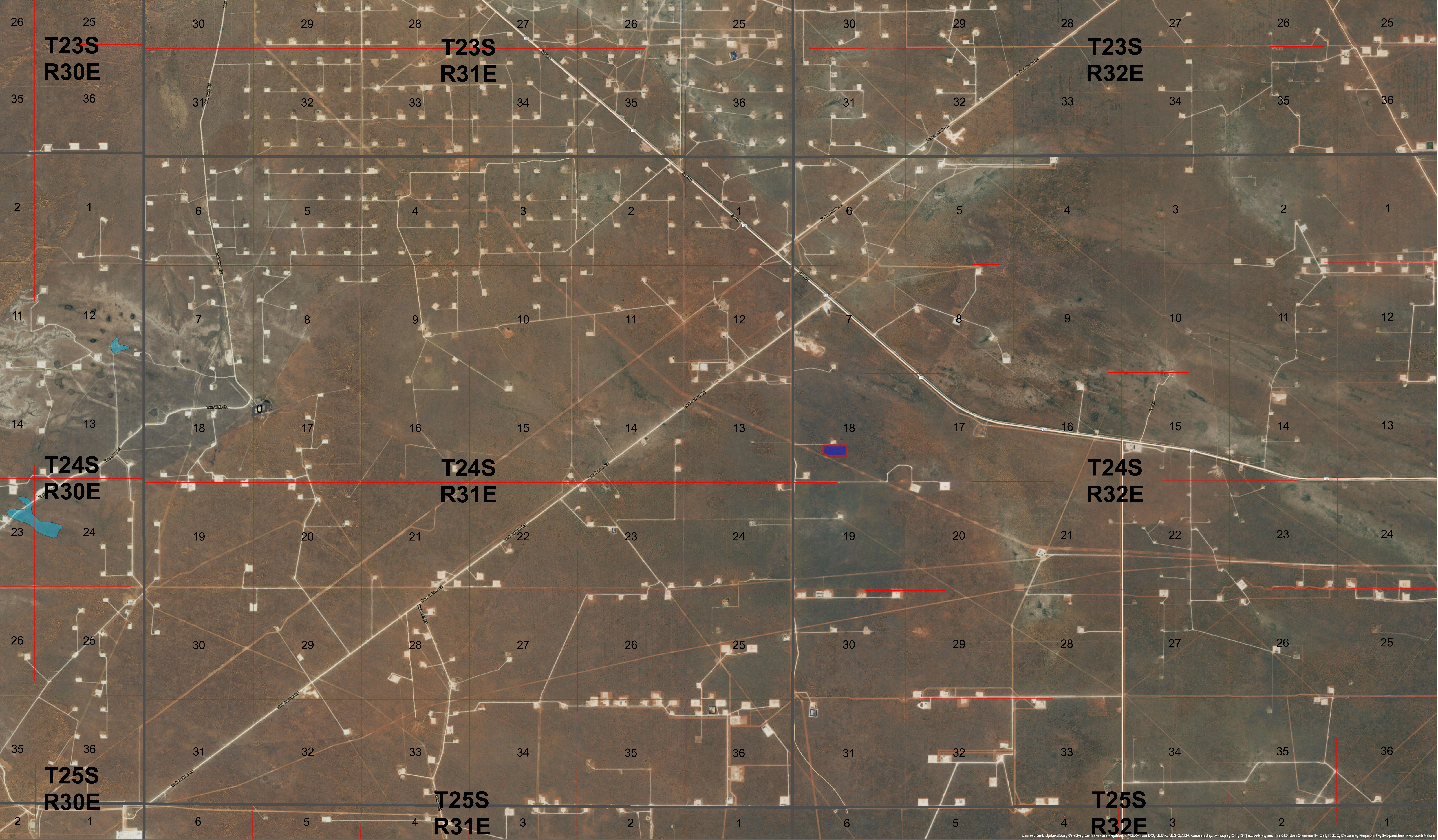


Author: Dylan Allen

Date: 3/22/2017

FEMA Flood Zones

Figure 2k



Layers obtained from the BLM
1:24,000

Recycling Containment

#2

FEMA Flood Zones

100 Year Floodplain

Date: 4/6/2017



Author: Dylan Allen