



**2025 ANNUAL GROUNDWATER MONITORING REPORT**

**LANGLIE MATTIX PENROSE SAND UNIT TRASH PIT  
NTO1427254875 (1RP-3360)  
UNIT O, SECTION 27, TOWNSHIP 22S, RANGE 37E  
EDDY COUNTY, NEW MEXICO  
32.357998, -103.147318**

**PREPARED FOR:**

**TEXIAN OPERATING COMPANY, LLC  
8505 FREEPORT PKWY., SUITE 390  
IRVING, TX 75603**

**PREPARED BY:**

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**MARCH 19, 2026**

A blue ink signature of Patrick K. Finn, consisting of a stylized 'P' followed by a horizontal line.

**Patrick K. Finn, P.G. (TX)  
Project Geoscientist**

A blue ink signature of William Kierdorf, consisting of a stylized 'W' followed by a horizontal line.

**William Kierdorf, REM  
Project Manager**

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- Attachment 3 – NMOCD Correspondence



**2025 ANNUAL GROUNDWATER MONITORING REPORT  
LANGLIE MATTIX PENROSE SAND UNIT TRASH PIT  
NTO1427254875 (1RP-3360)  
UNIT O, SECTION 27, TOWNSHIP 22S, RANGE 37E  
LEA COUNTY, NEW MEXICO  
32.357998, -103.147318**

## **1.0 SITE LOCATION AND BACKGROUND**

The Langlie Mattix Penrose Sand Unit Trash Pit (“subject site”) is a historic oil and gas location situated approximately 5.5 miles south-southeast of Eunice, in Lea County, New Mexico. The Site is situated in Unit O, Section 27, Township 22 South, Range 27 East, at approximate GPS coordinates 32.357998, -103.147318.

In May 2011, the New Mexico Oil Conservation Division (NMOCD) issued a letter to the current and past operators of the subject site that referenced a complaint from a nearby landowner that burial of miscellaneous refuse and debris had occurred at the Site. In response to the notification, the operator at the time (Legacy) initiated investigation activities at the site. From 2011 to 2014 site assessment and soil excavation activities were completed at the subject site and on August 1, 2014, the OCD District 1 office approved of the closure of the site excavations.

Groundwater assessment activities were conducted at the site during 2013–2014 and a total of four monitoring wells were installed (MW’s 1-4). From 2014 to the current reporting period (2025), a total of 39 groundwater monitoring events have been conducted at the Site which documented chloride, TDS, and sulfate in the site groundwater in excess of the 20.6.2.3103 NMAC standards.

In the 2023 1<sup>st</sup> Semi-Annual (January-June) Groundwater Monitoring Report, dated July 24, 2023, Larson & Associates, inc. (Larson) proposed to reduce the site groundwater monitoring frequency from quarterly to semi-annual. In a September 14, 2023 email, the NMOCD approved of the proposed reduction in monitoring frequency from quarterly to semiannual since the groundwater plume had been documented to be stable. The NMOCD also approved the discontinuation of any further nitrate analyses since the site groundwater nitrate concentrations had been demonstrated to be well below the standard of 10 mg/L over multiple sampling events.

In November 2023, Ranger Environmental Services, LLC (Ranger) was retained to assist with the semi-annual groundwater monitoring activities at the subject site by the current operator at the time, Team Operating, LLC (Team Operating). Ranger completed the second semi-annual groundwater monitoring event in December 2023, as well both semi-annual events in 2024. Ranger-prepared *Annual Groundwater Monitoring Reports* for the 2023 and 2024 monitoring activities were submitted to the NMOCD by Team Operating.

In 2025, Team Operating requested Ranger to continue the semi-annual groundwater monitoring program which had been conducted at the site in 2024. As such, Ranger conducted semi-annual groundwater monitoring events at the subject site on June 2, 2025 and December 8, 2025. Team Operating also informed Ranger in August 2025 that transfer of Team Operating assets in the area was on-going and that the new project lead, Texian Operating Company, LLC (Texian),

would be taking responsibility for the subject incident. In February 2025, Texian engaged Ranger to assist in the preparation of this 2025 *Annual Groundwater Monitoring Report*.

Attached are a *Topographic Map* and aerial *Area Map* which illustrate the location of the subject site and surrounding areas. Also attached is a *Site Map* which illustrates pertinent site features and the locations of the monitoring wells installed at the subject site.

## **2.0 GROUNDWATER MONITORING**

### **2.1 Historical Results Summary (2014-2024)**

Between 2014 and 2024, a total of 37 groundwater monitoring events were conducted at the Site. Monitor well MW-1 was documented to be the most affected site monitoring well with reported concentrations of chloride and total dissolved solids (TDS) exceeding the 20.6.2.3103 NMAC standards during every sampling event. Sulfate concentrations in this well were also found to frequently exceed the 20.6.2.3103 NMAC standards. The chloride concentrations in MW-1 were primarily documented to range from 1,500 to 3,230 mg/L, while the TDS concentrations were primarily documented to range from 3,830 to 9,820 mg/L.

The 2014-2024 data for upgradient monitor well MW-2 was not found to be in exceedance of the 20.6.2.3103 NMAC standards. The chloride concentrations in MW-2 were documented to range from 57.8 to 194 mg/L, while the TDS concentrations were documented to range from 560 to 923 mg/L. The groundwater analytical data for upgradient monitor well MW-2 appear to be representative of background groundwater conditions.

### **2.2 2025 Groundwater Monitoring**

As summarized above, groundwater monitoring events were conducted at the subject site on June 2, 2025 and December 8, 2025. Cumulative summary tables of the site well gauging and groundwater analytical data are attached. Also attached are groundwater gradient and chloride, sulfate and TDS isoconcentration maps for the 2025 sampling events, as well as copies of the laboratory analytical reports.

#### **2.2.1 2025 Groundwater Sampling Methodologies**

Upon arrival at the Site, the monitor wells were opened and allowed to equilibrate for approximately 30 minutes prior to the performance of any well gauging or sampling activities. Prior to sampling the groundwater in each monitor well, the wells were first gauged with a decontaminated interface probe to determine the depth to groundwater in each monitor well, and light nonaqueous phase liquid (LNAPL) thicknesses, if any. This data was utilized to determine the site groundwater flow direction and gradient.

Except as noted below, all groundwater samples were collected using low-flow sampling techniques. The wells were purged and sampled using a low flow rate (0.026 to 0.264 gpm) that minimized drawdown. The pump-intake was located in the middle or slightly above the middle of the saturated screened interval. The monitoring wells were purged until the field water quality parameters (i.e., pH, temperature, and conductivity) stabilized. Parameters were considered to have stabilized if, over three consecutive readings, the following criteria were met:



- pH  $\pm 0.1$  unit
- Temperature within 3%
- Conductivity within 3%

During the December 2025 sampling event, monitor well MW-3 was observed to have vegetation growing within the well at the apparent static groundwater level. Due to the presence of the roots, the pump intake could not be lowered beyond the vegetation obstruction to draw water into the pump. Attempts to clear the obstruction to allow the pump to be lowered were unsuccessful. Due to the obstruction, a new disposable bailer was utilized to collect the sample from the well.

All sample containers were filled with minimal turbulence. Due to sample turbidity, the samples collected for dissolved metals analysis were first field-filtered through a 10-micron pore size filter. Ranger personnel wore new nitrile gloves while handling each sample in order to prevent cross-contamination of samples. For QA/QC purposes, duplicate samples were collected during the June and December 2025 monitoring events from monitor well MW-2.

All samples were containerized using properly selected and cleaned containers which were preserved by the laboratory as needed for the particular analysis to be performed. All VOC sample vials were filled completely to minimize head space. The samples were subsequently sealed in one or more ziplock bags and stored in a sample shuttle containing ice until arrival at the laboratory for chemical analysis. All sample containers were labeled with the project name, sample identification, date and time of sample collection, and samplers' initials. Chain-of-custody forms were completed to document sample transport to the analytical laboratory.

The groundwater samples were submitted to Hall Environmental Analysis Laboratory, Inc. in Albuquerque, New Mexico for chemical analysis. The samples were analyzed for BTEX using EPA Method 8021B; calcium, magnesium, potassium, and sodium using EPA Method 200.7; chloride and sulfate using EPA Method 300; alkalinity utilizing Method SM-2320B; and, and total dissolved solids (TDS) utilizing Method SM-2540C.

All purge water generated during the sampling event was placed in a sealed and labeled container and was temporarily stored on-site pending off-site disposal.

### **2.2.2 2025 Well Gauging Results**

No LNAPL was documented to be present in the site monitoring wells during the June and December 2025 sampling events. During 2025, the depth to groundwater in the site monitoring wells was documented to range from approximately 41.61' below ground surface (bgs) in MW-4 to 45.33' bgs in MW-3. As illustrated on the attached groundwater gradient maps, the groundwater gradient and flow direction during the June 2025 sampling event was documented to be approximately 0.0004 ft/ft to the southeast (in accordance with the surface topography and the predominant historical groundwater flow direction). During the December 2025 sampling event, the groundwater gradient and flow direction was documented to be approximately 0.0001 ft/ft to the northeast.

### 2.2.3 2025 Groundwater Analytical Results

- Primary Site COCs (Chloride, Sulfate, TDS)

The 2025 chloride, sulfate and TDS concentrations were generally similar to the historical groundwater analytical results. During 2025, concentrations of chloride, sulfate and/or TDS in exceedance of the 20.6.2.3103 NMAC standards were documented in monitor wells MW-1 and MW-3. Consistent with historical results, monitor well MW-1 was the most highly affected site monitoring well with chloride concentrations ranging from 1,600 to 2,200 mg/L and TDS concentrations ranging from 4,200 to 4,800 mg/L. The chloride and TDS concentrations in monitor well MW-3 were found to be significantly lower than in monitor well MW-1, ranging from 570 to 610 mg/L chloride and 1,600 mg/L TDS which were not significantly in excess of the applicable 20.6.2.3103 NMAC standards.

- Other Analytes

Consistent with historical results, there were no exceedances of the 20.6.2.3103 NMAC standards for the other target site analytes including calcium, magnesium, potassium, sodium, BTEX, and alkalinity.

As summarized above, duplicate samples were collected during the June and December 2025 monitoring events from monitor well MW-2. The results from the duplicate samples were generally consistent with the MW-2 results and indicate that the data are usable and valid.

In summary, the 2025 groundwater analytical results again documented chloride, sulfate and TDS to be the primary site COCs. As detailed in the 2024 AGWM there does not appear to be a need for continued sampling of the other target analytes (calcium, magnesium, potassium, sodium, BTEX, and alkalinity) since none of these have been found to exceed the 20.6.2.3103 NMAC standards since monitoring activities were initiated in 2014 (a total of 39 events through 2025).

## 3.0 CONCLUSIONS AND RECOMMENDATIONS

### 3.1 Conclusions

- Groundwater monitoring events were conducted at the subject site on June 2, 2025 and December 8, 2025. No LNAPL was detected in the site monitoring wells. The groundwater gradient and flow direction during the June 2025 sampling event was documented to be approximately 0.0004 ft/ft to the southeast. During the December 2025 sampling event, the groundwater gradient and flow direction was documented to be approximately 0.0001 ft/ft to the northeast.
- Vegetation/roots were encountered in monitor well MW-3 during the December 2025 groundwater monitoring event which prevented the low-flow sampling pump from being utilized in this well.
- The 2025 chloride, sulfate and TDS concentrations were generally similar to the historical groundwater analytical results. Concentrations of chloride, sulfate and/or TDS in exceedance of the 20.6.2.3103 NMAC standards were documented in monitor wells MW-

1 and MW-3. Consistent with historical results, monitor well MW-1 was the most highly affected site monitoring well.

- Consistent with historical results, there were no exceedances of the 20.6.2.3103 NMAC standards for the other target groundwater analytes including calcium, magnesium, potassium, sodium, BTEX, and alkalinity.

### **3.2 Recommendations**

- Ranger recommends that an attempt be made to remove the vegetative obstruction/roots from monitor well MW-3.
- Ranger recommends the continuation of the semi-annual groundwater monitoring program in 2026 and the submittal of the 2026 annual groundwater monitoring report to the NMOCD no later than April 1, 2027.
- Since the 2025 groundwater analytical results continued to document chloride, sulfate and TDS to be the primary site COCs, there does not appear to be a need for continued sampling of the other target analytes (calcium, magnesium, potassium, sodium, BTEX, and alkalinity) since none of these have been found to exceed the 20.6.2.3103 NMAC standards since monitoring activities were initiated in 2014 (a total of 39 events through 2025). Ranger therefore recommends that groundwater analyses in the future be limited to chloride, sulfate and TDS.
- Since the primary groundwater flow direction at the site has historically been to the southeast in accordance with the surface topography, and since monitor well MW-1 has been documented to be the most highly affected site monitoring well, Ranger recommends the installation of an additional plume delineation monitoring well to the southeast of MW-1. The attached *Proposed Monitor Well Location Map* illustrates the location for this proposed downgradient plume delineation monitoring well.
- Upon completion of the plume delineation activities, Ranger recommends development of a remediation plan to address the elevated groundwater chloride, sulfate and TDS concentrations.

# **FIGURES**

**Topographic Map**

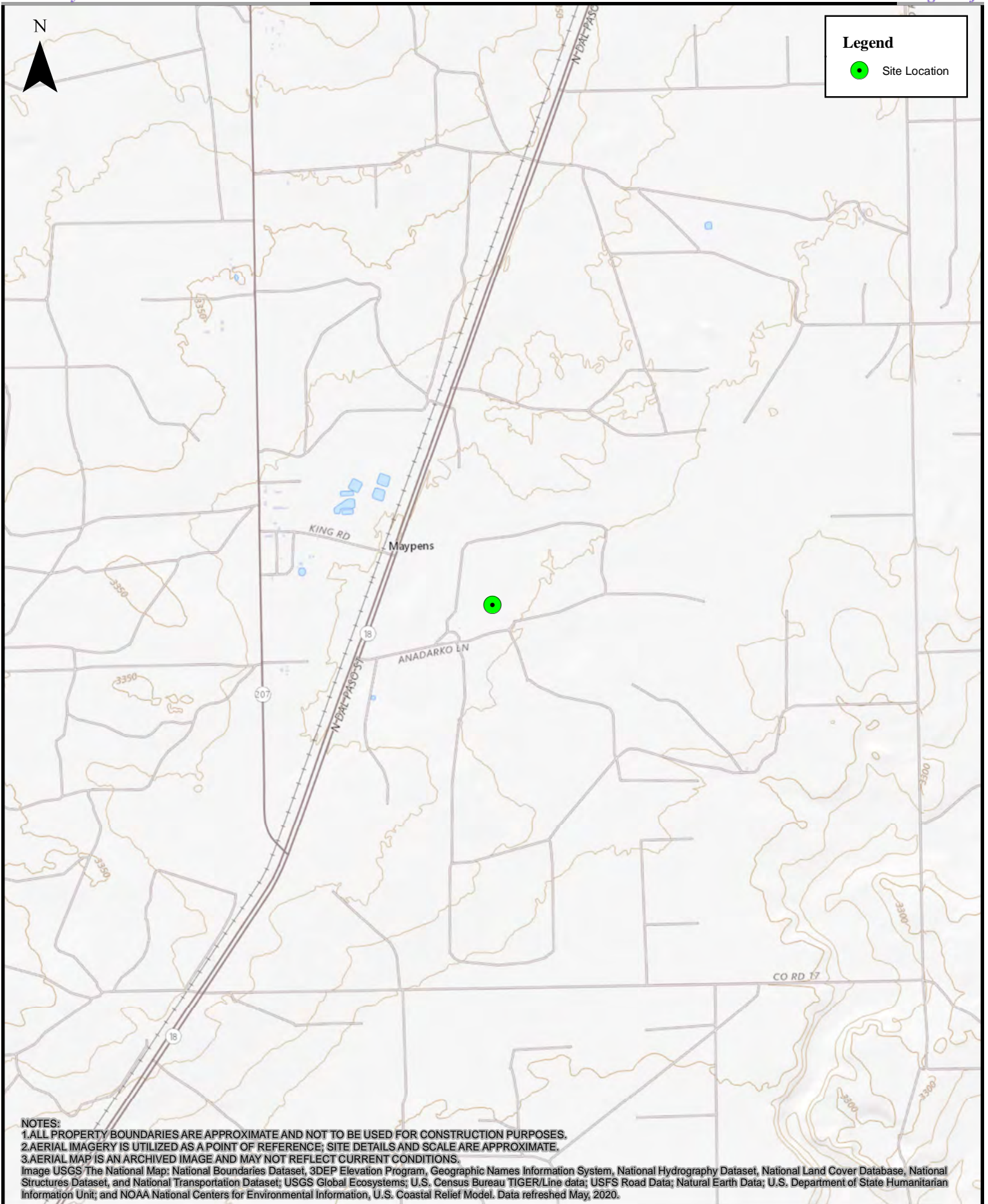
**Area Map**

**Site Map**

**Groundwater Gradient Maps**

**Groundwater Chloride, TDS and sulfate Isoconcentration Maps**

**Proposed Monitor Well Location Map**



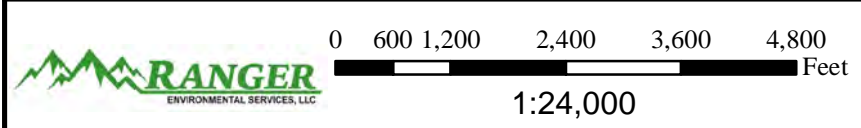
**NOTES:**

1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.

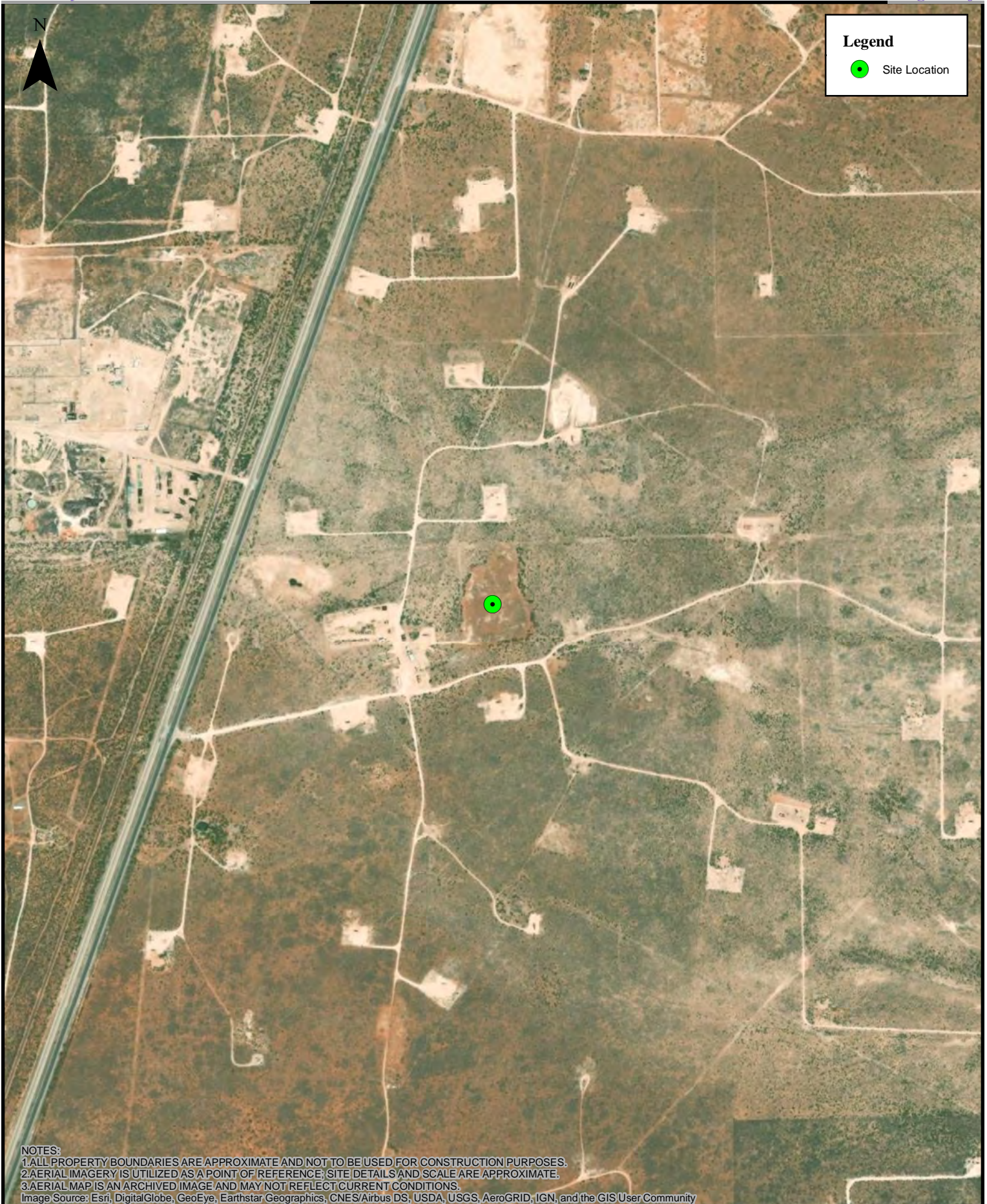
2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.

3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.

Image USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS Road Data; Natural Earth Data; U.S. Department of State Humanitarian Information Unit; and NOAA National Centers for Environmental Information, U.S. Coastal Relief Model. Data refreshed May, 2020.



**Topographic Map**  
 LMPSU Trash Pit  
 Lea County, NM




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**Area Map**  
 LMPSU Trash Pit  
 Lea County, NM



**Legend**

 Monitor Well Location



**NOTES:**

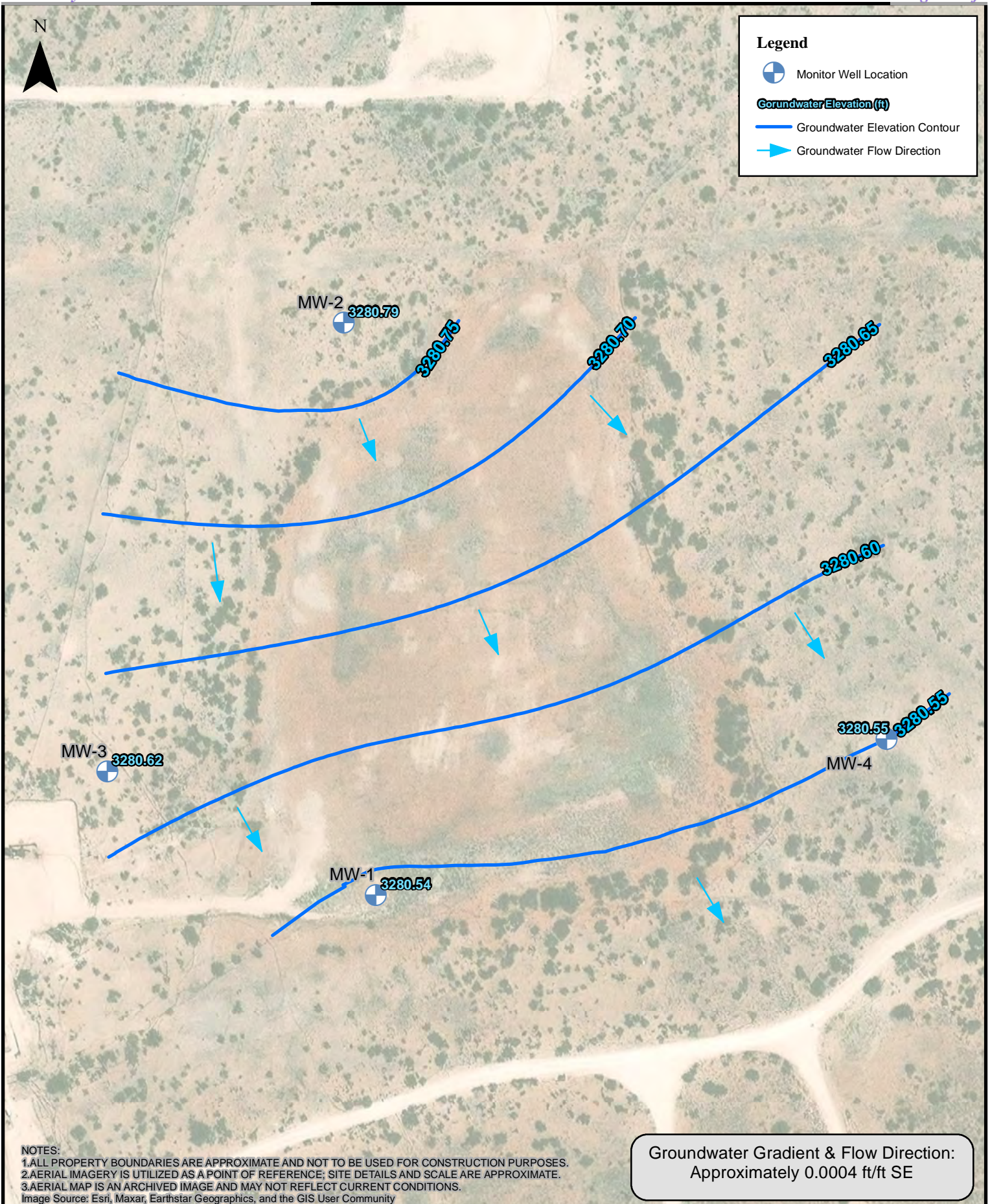
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**Site Map**  
LMPSU Trash Pit  
Lea County, NM

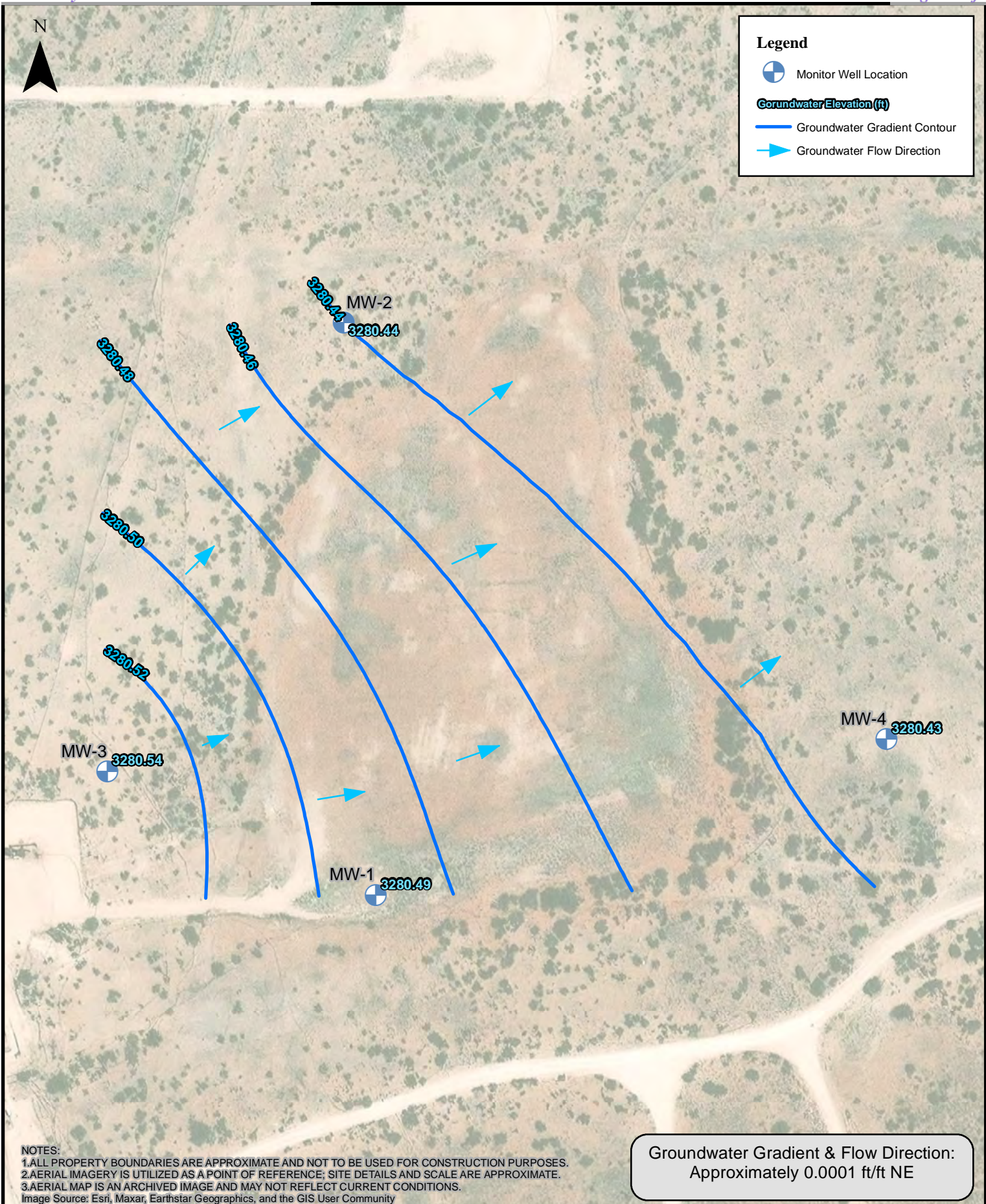


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Groundwater Gradient & Flow Direction:  
 Approximately 0.0004 ft/ft SE

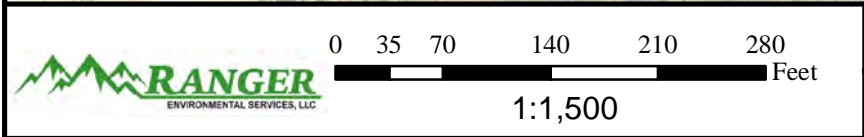
0 35 70 140 210 280 Feet  
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**Groundwater Gradient Map**  
 (06/02/2025)  
 LMPSU Trash Pit  
 Lea County, NM

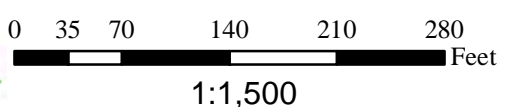
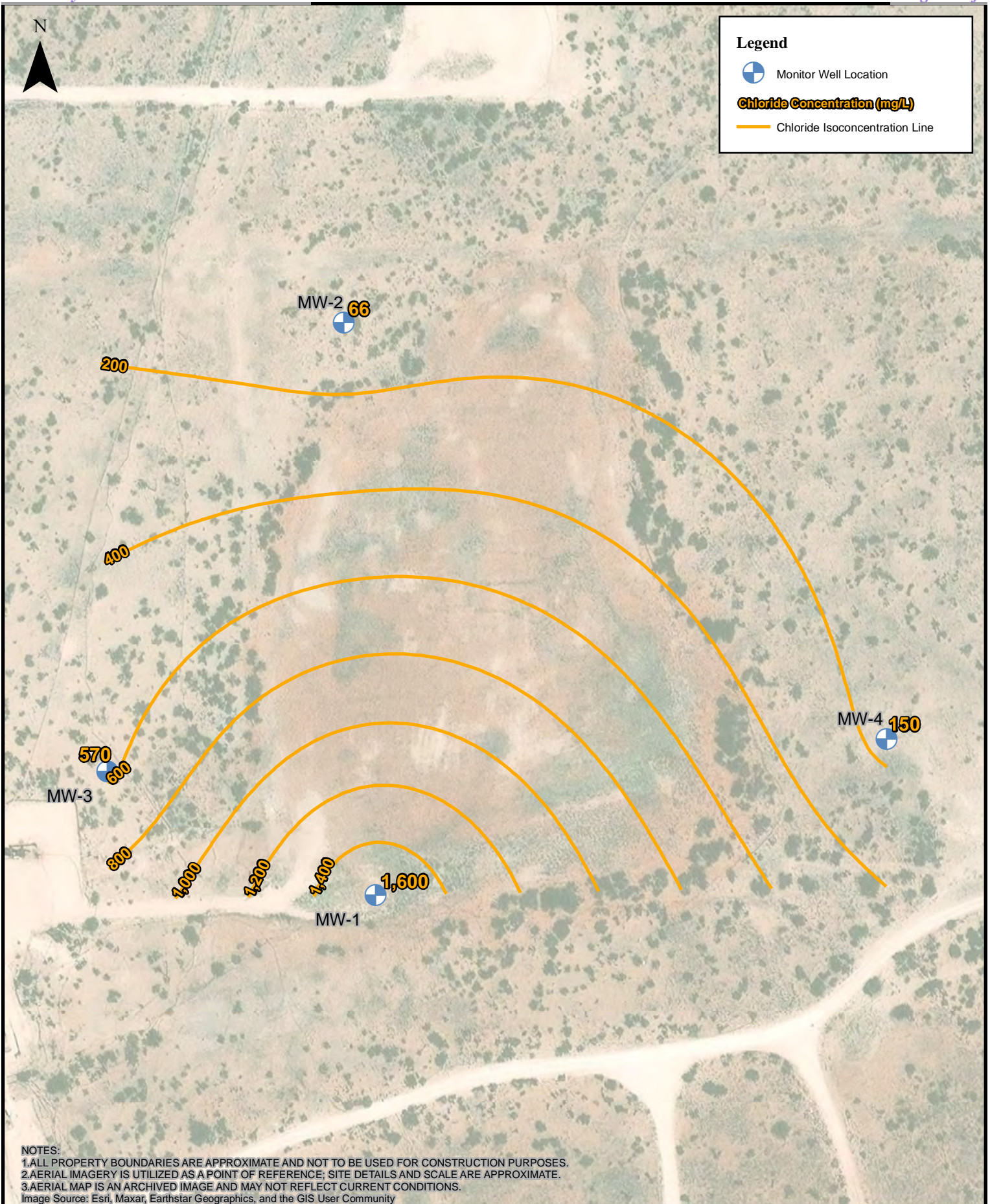


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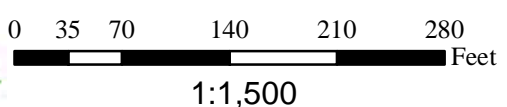
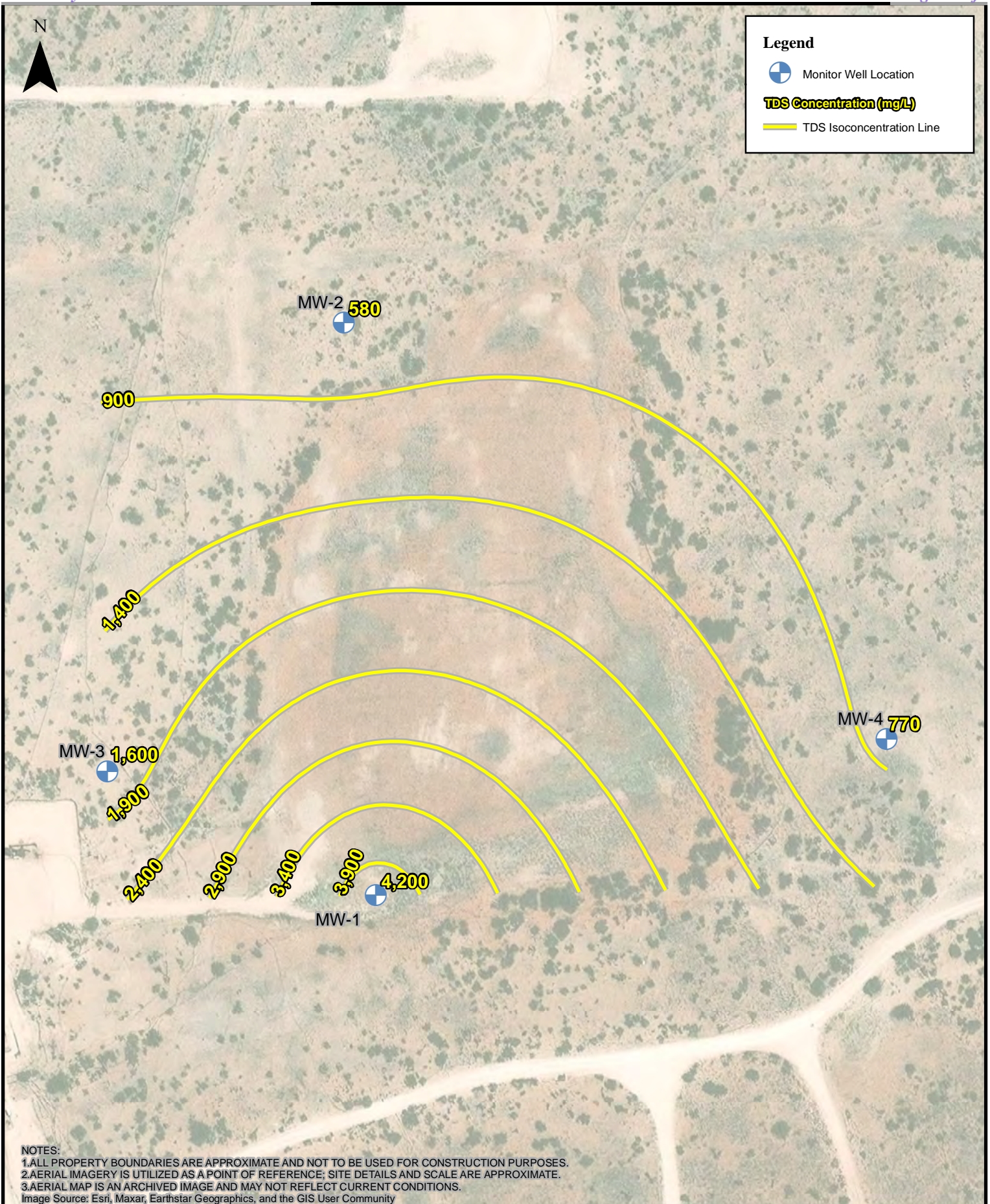
Groundwater Gradient & Flow Direction:  
 Approximately 0.0001 ft/ft NE



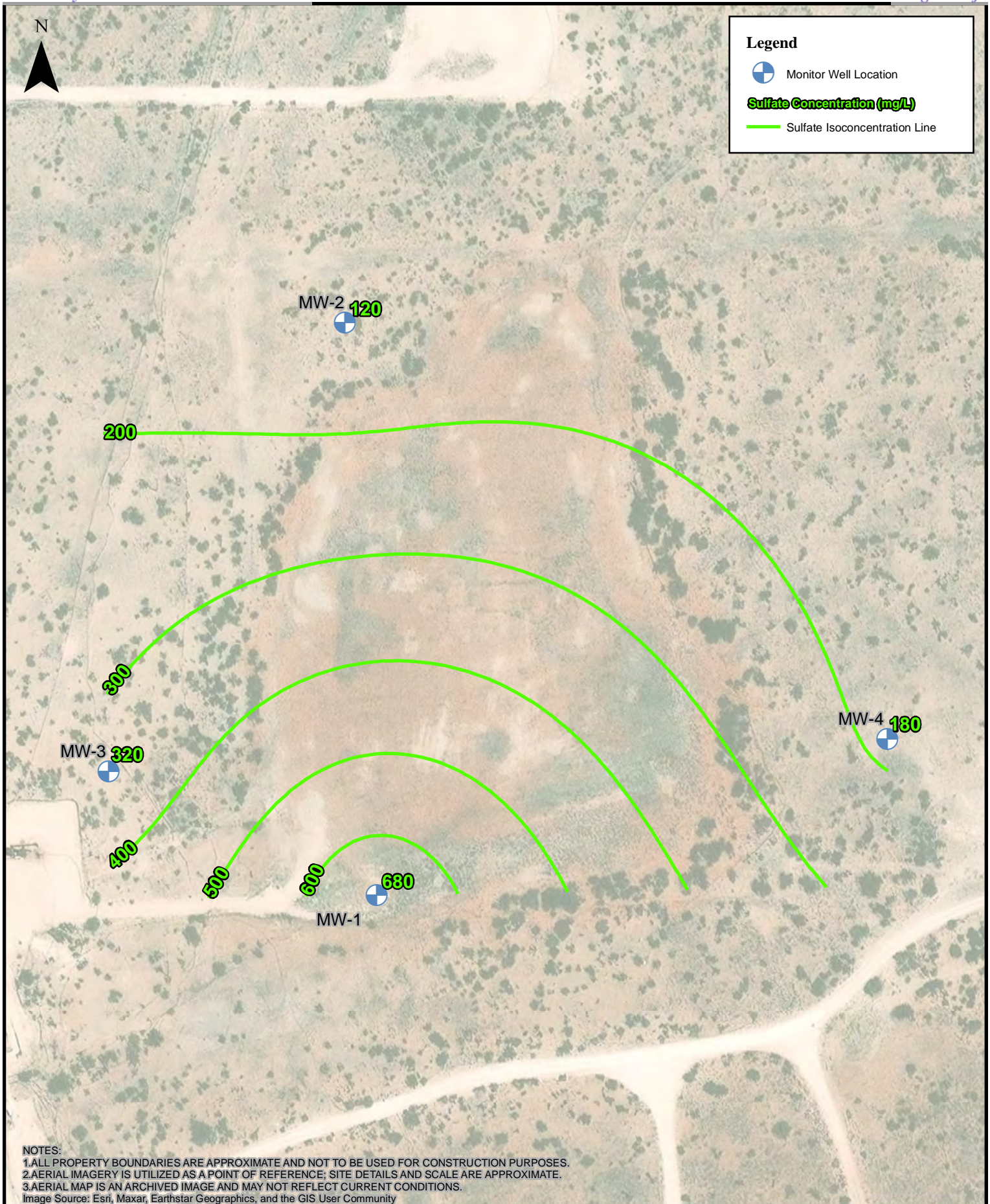
**Groundwater Gradient Map**  
 (12/08/2025)  
 LMPSU Trash Pit  
 Lea County, NM



**Groundwater Chloride Isoconcentration Map**  
 (06/02/2025)  
 LMPSU Trash Pit  
 Lea County, NM



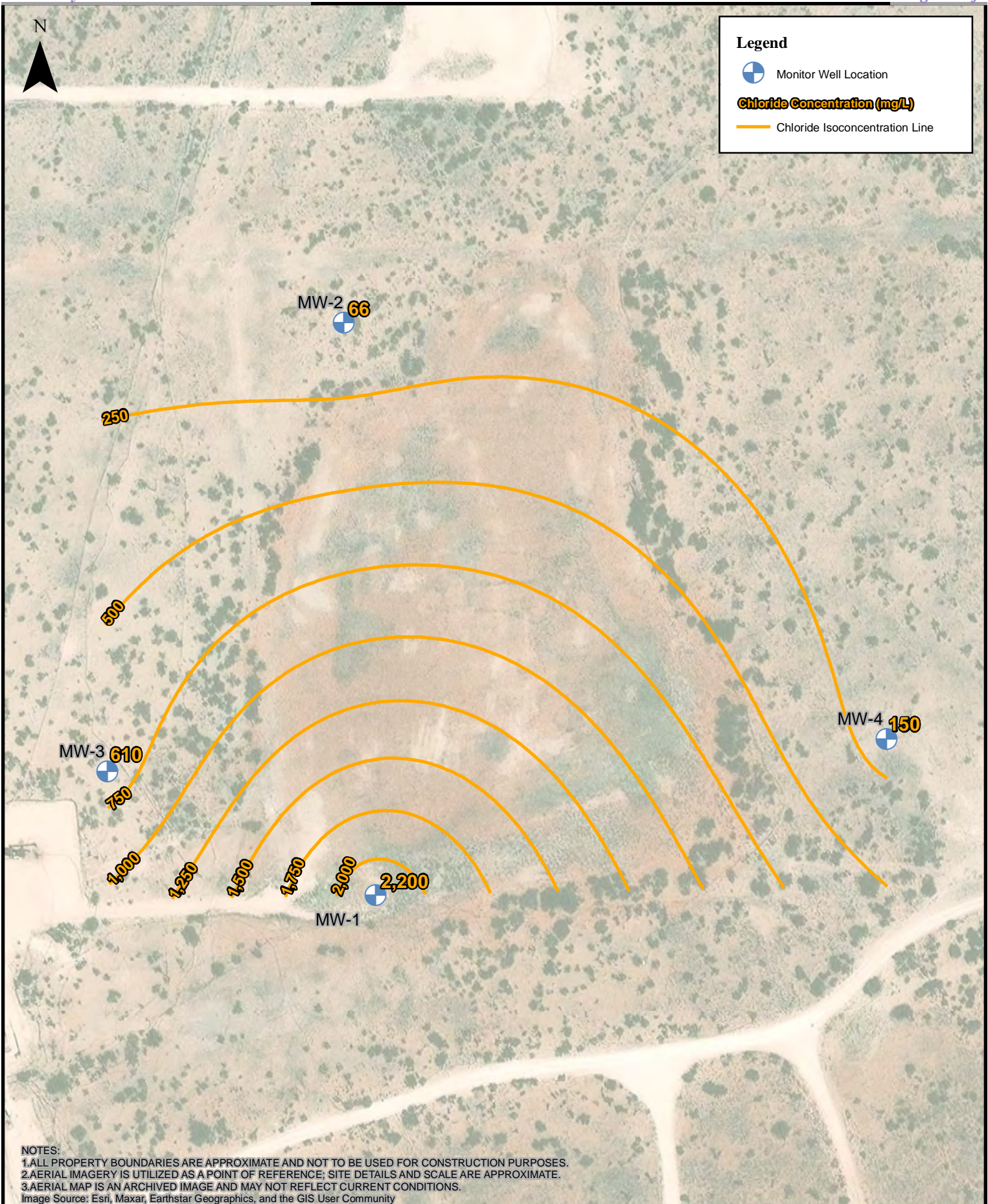
**Groundwater TDS Isoconcentration Map**  
 (06/02/2025)  
 LMPSU Trash Pit  
 Lea County, NM



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**Groundwater Sulfate Isoconcentration Map**  
 (06/02/2025)  
 LMPSU Trash Pit  
 Lea County, NM

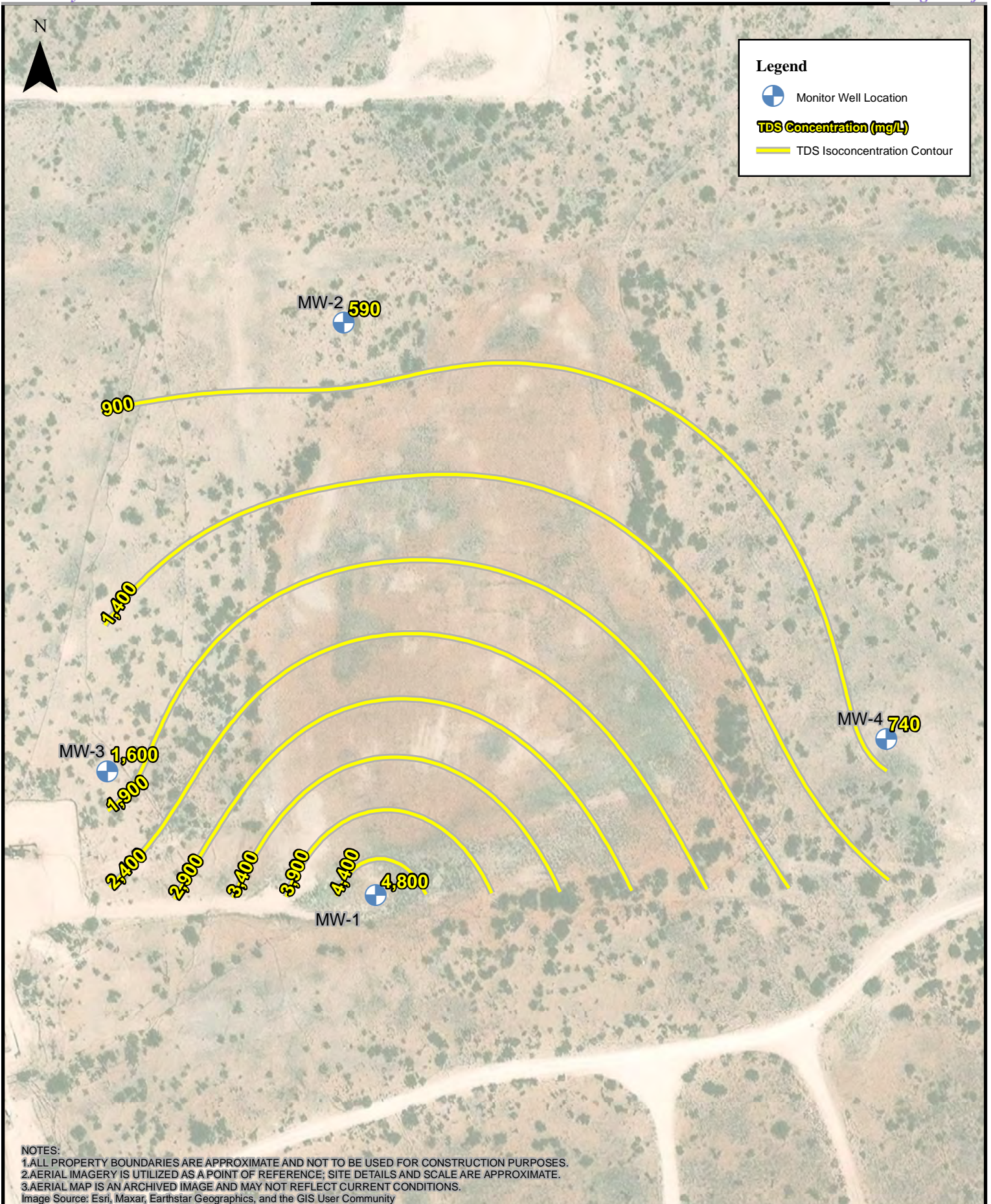


**RANGER**  
 ENVIRONMENTAL SERVICES, LLC

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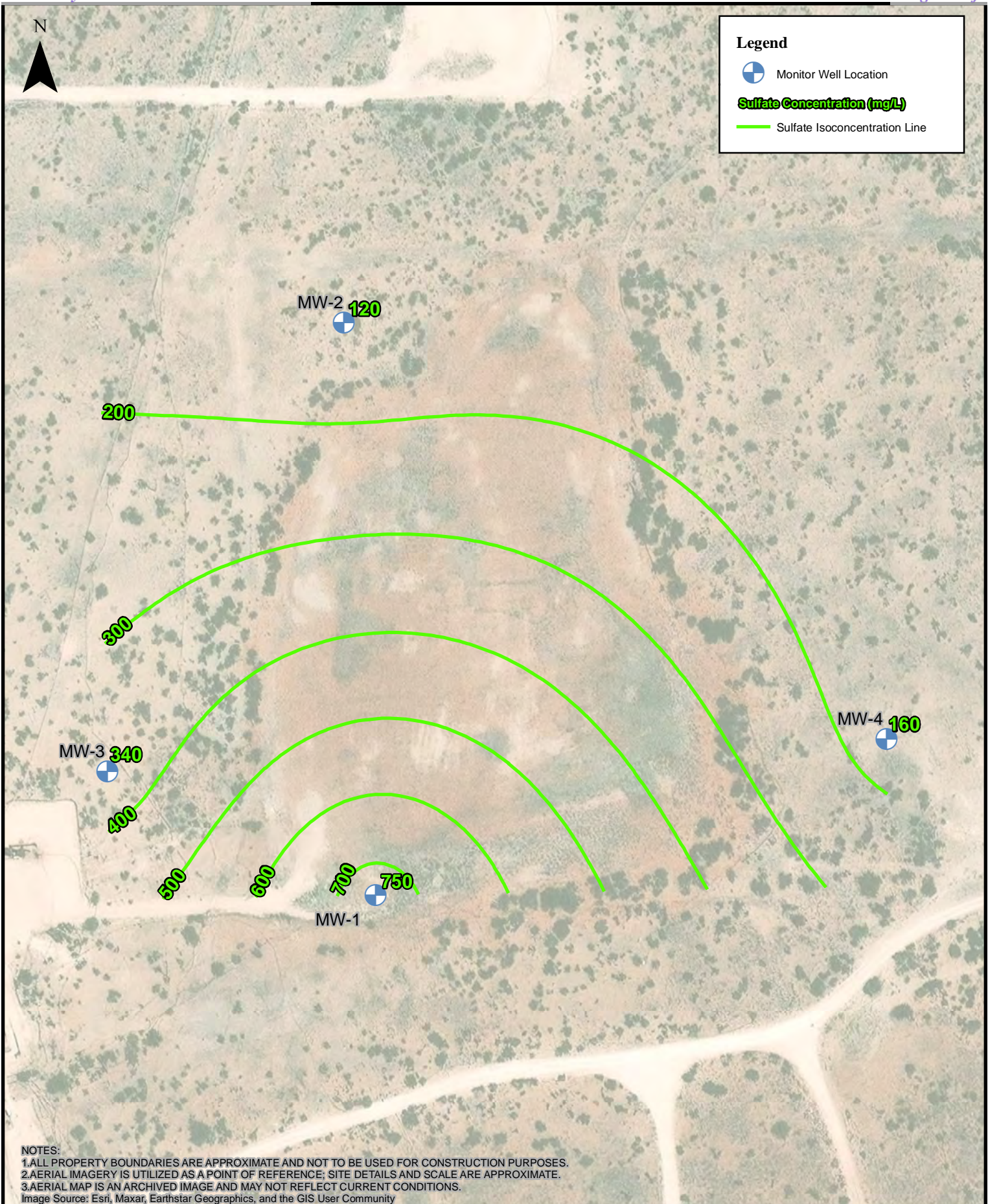
**Groundwater Chloride Isoconcentration Map**  
 (12/08/2025)  
 LMPSU Trash Pit  
 Lea County, NM



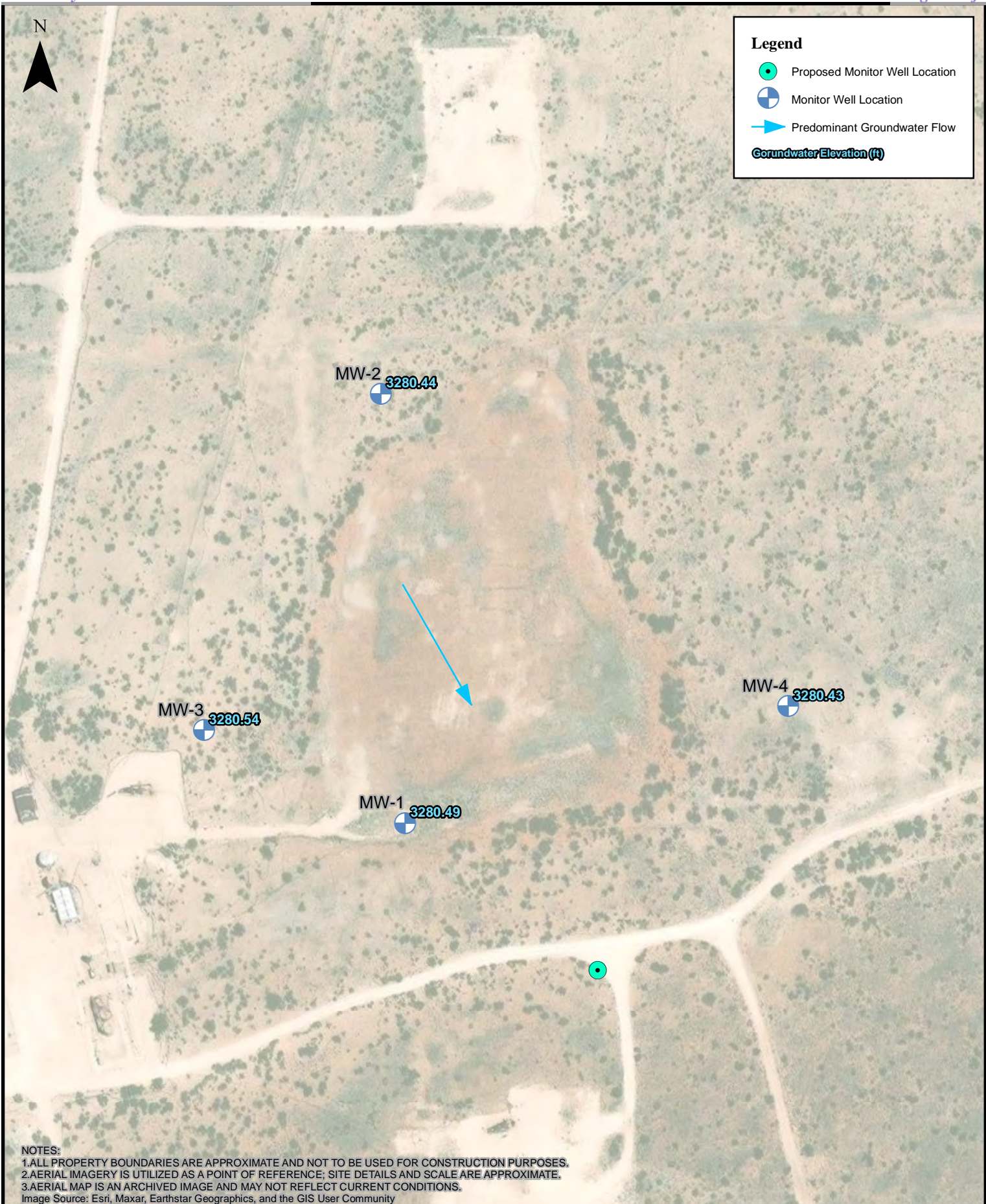
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0 35 70 140 210 280 Feet  
 1:1,500

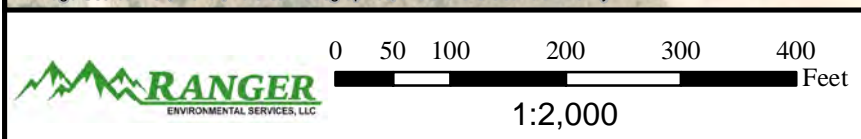
**Groundwater TDS Isoconcentration Map**  
 (12/08/2025)  
 LMPSU Trash Pit  
 Lea County, NM



**Groundwater Sulfate Isoconcentration Map**  
 (12/08/2025)  
 LMPSU Trash Pit  
 Lea County, NM



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**Proposed Monitor Well  
 Location Map**  
 LMPSU Trash Pit  
 Lea County, NM

# **TABLES**

## **Cumulative Well Gauging Data Cumulative Groundwater Analytical Summary Table**

**CUMULATIVE WELL GAUGING DATA**  
**LMPSU TRASH PIT**  
**LEA COUNTY, NEW MEXICO**  
**1RP-3360 / nTO1427254875**

<b>WELL NUMBER</b>	<b>DATE</b>	<b>CASING ELEV. (FT)</b>	<b>DEPTH TO WATER (FT-BTOC)</b>	<b>LNAPL THICKNESS (FT)</b>	<b>GW ELEVATION (FT)</b>	<b>SCREENED INTERVAL (FT-BGS)</b>
MW-1	1/28/2015	3324.09	43.79	0.00	3280.30	---
MW-1	6/1/2015	3324.09	43.69	0.00	3280.40	---
MW-1	8/18/2015	3324.09	46.60	0.00	3277.49	---
MW-1	9/11/2015	3324.09	43.60	0.00	3280.49	---
MW-1	12/3/2015	3324.09	42.55	0.00	3281.54	---
MW-1	3/17/2016	3324.09	43.45	0.00	3280.64	---
MW-1	7/19/2016	3324.09	43.46	0.00	3280.63	---
MW-1	8/26/2016	3324.09	43.46	0.00	3280.63	---
MW-1	10/18/2016	3324.09	43.33	0.00	3280.76	---
MW-1	1/18/2017	3324.09	43.35	0.00	3280.74	---
MW-1	4/25/2017	3324.09	43.47	0.00	3280.62	---
MW-1	9/13/2017	3324.09	43.28	0.00	3280.81	---
MW-1	12/19/2017	3324.09	43.28	0.00	3280.81	---
MW-1	2/26/2018	3324.09	43.28	0.00	3280.81	---
MW-1	5/7/2018	3324.09	43.28	0.00	3280.81	---
MW-1	8/2/2018	3324.09	43.33	0.00	3280.76	---
MW-1	12/10/2018	3324.09	44.39	0.00	3279.70	---
MW-1	2/18/2019	3324.09	43.55	0.00	3280.54	---
MW-1	5/7/2019	3324.09	43.35	0.00	3280.74	---
MW-1	8/1/2019	3324.09	43.40	0.00	3280.69	---
MW-1	12/5/2019	3324.09	43.37	0.00	3280.72	---
MW-1	2/17/2020	3324.09	43.90	0.00	3280.19	---
MW-1	5/4/2020	3324.09	43.30	0.00	3280.79	---
MW-1	8/12/2020	3324.09	43.40	0.00	3280.69	---
MW-1	10/5/2020	3324.09	43.45	0.00	3280.64	---
MW-1	1/4/2021	3324.09	45.19	0.00	3278.90	---
MW-1	2/1/2021	3324.09	43.50	0.00	3280.59	---
MW-1	4/30/2021	3324.09	43.46	0.00	3280.63	---
MW-1	8/9/2021	3324.09	43.41	0.00	3280.68	---
MW-1	11/19/2021	3324.09	43.40	0.00	3280.69	---
MW-1	2/25/2022	3324.09	43.43	0.00	3280.66	---
MW-1	5/18/2022	3324.09	43.41	0.00	3280.68	---
MW-1	8/19/2022	3324.09	43.50	0.00	3280.59	---
MW-1	12/19/2022	3324.09	43.49	0.00	3280.60	---
MW-1	3/17/2023	3324.09	43.49	0.00	3280.60	---
MW-1	6/8/2023	3324.09	43.49	0.00	3280.60	---
MW-1	12/20/2023	3324.09	43.54	0.00	3280.55	---

**CUMULATIVE WELL GAUGING DATA**  
**LMPSU TRASH PIT**  
**LEA COUNTY, NEW MEXICO**  
**1RP-3360 / nTO1427254875**

WELL NUMBER	DATE	CASING ELEV. (FT)	DEPTH TO WATER (FT-BTOC)	LNAPL THICKNESS (FT)	GW ELEVATION (FT)	SCREENED INTERVAL (FT-BGS)
MW-1	6/25/2024	3324.09	43.59	0.00	3280.50	---
MW-1	12/9/2024	3324.09	43.56	0.00	3280.53	---
MW-1	6/2/2025	3324.09	43.55	0.00	3280.54	---
MW-1	12/8/2025	3324.09	43.60	0.00	3280.49	---
MW-2	1/28/2015	3325.18	43.79	0.00	3281.39	38.17 - 57.77
MW-2	6/1/2015	3325.18	49.88	0.00	3275.30	38.17 - 57.78
MW-2	8/18/2015	3325.18	44.75	0.00	3280.43	38.17 - 57.79
MW-2	9/11/2015	3325.18	44.50	0.00	3280.68	38.17 - 57.80
MW-2	12/3/2015	3325.18	44.65	0.00	3280.53	38.17 - 57.81
MW-2	3/17/2016	3325.18	44.66	0.00	3280.52	38.17 - 57.82
MW-2	7/19/2016	3325.18	44.35	0.00	3280.83	38.17 - 57.83
MW-2	8/26/2016	3325.18	44.35	0.00	3280.83	38.17 - 57.77
MW-2	10/18/2016	3325.18	44.25	0.00	3280.93	38.17 - 57.78
MW-2	1/18/2017	3325.18	44.31	0.00	3280.87	38.17 - 57.79
MW-2	4/25/2017	3325.18	43.15	0.00	3282.03	38.17 - 57.80
MW-2	9/13/2017	3325.18	44.17	0.00	3281.01	38.17 - 57.81
MW-2	12/19/2017	3325.18	44.18	0.00	3281.00	38.17 - 57.82
MW-2	2/26/2018	3325.18	44.16	0.00	3281.02	38.17 - 57.83
MW-2	5/7/2018	3325.18	44.16	0.00	3281.02	38.17 - 57.84
MW-2	8/2/2018	3325.18	44.18	0.00	3281.00	38.17 - 57.85
MW-2	12/10/2018	3325.18	44.25	0.00	3280.93	38.17 - 57.86
MW-2	2/18/2019	3325.18	44.22	0.00	3280.96	38.17 - 57.87
MW-2	5/7/2019	3325.18	44.20	0.00	3280.98	38.17 - 57.88
MW-2	8/1/2019	3325.18	44.21	0.00	3280.97	38.17 - 57.89
MW-2	12/5/2019	3325.18	44.21	0.00	3280.97	38.17 - 57.90
MW-2	2/17/2020	3325.18	44.30	0.00	3280.88	38.17 - 57.77
MW-2	5/4/2020	3325.18	44.18	0.00	3281.00	38.17 - 57.78
MW-2	8/12/2020	3325.18	44.30	0.00	3280.88	38.17 - 57.79
MW-2	10/5/2020	3325.18	44.30	0.00	3280.88	38.17 - 57.80
MW-2	1/4/2021	3325.18	41.59	0.00	3283.59	38.17 - 57.81
MW-2	2/1/2021	3325.18	44.35	0.00	3280.83	38.17 - 57.82
MW-2	4/30/2021	3325.18	44.34	0.00	3280.84	38.17 - 57.83
MW-2	8/9/2021	3325.18	44.30	0.00	3280.88	38.17 - 57.84
MW-2	11/19/2021	3325.18	44.26	0.00	3280.92	38.17 - 57.85
MW-2	2/25/2022	3325.18	44.31	0.00	3280.87	38.17 - 57.86
MW-2	5/18/2022	3325.18	44.29	0.00	3280.89	38.17 - 57.87

**CUMULATIVE WELL GAUGING DATA**  
**LMPSU TRASH PIT**  
**LEA COUNTY, NEW MEXICO**  
**1RP-3360 / nTO1427254875**

WELL NUMBER	DATE	CASING ELEV. (FT)	DEPTH TO WATER (FT-BTOC)	LNAPL THICKNESS (FT)	GW ELEVATION (FT)	SCREENED INTERVAL (FT-BGS)
MW-2	8/19/2022	3325.18	44.36	0.00	3280.82	38.17 - 57.88
MW-2	12/19/2022	3325.18	44.36	0.00	3280.82	38.17 - 57.89
MW-2	3/17/2023	3325.18	44.36	0.00	3280.82	38.17 - 57.90
MW-2	6/8/2023	3325.18	44.32	0.00	3280.86	38.17 - 57.77
MW-2	12/20/2023	3325.18	44.38	0.00	3280.80	38.17 - 57.77
MW-2	6/25/2024	3325.18	44.39	0.00	3280.79	38.17 - 57.77
MW-2	12/9/2024	3325.18	44.40	0.00	3280.78	38.17 - 57.77
MW-2	6/2/2025	3325.18	44.39	0.00	3280.79	38.17 - 57.77
MW-2	12/8/2025	3325.18	44.74	0.00	3280.44	38.17 - 57.77
MW-3	4/15/2015	3325.87	46.00	0.00	3279.87	34.69 - 54.75
MW-3	6/1/2015	3325.87	45.53	0.00	3280.34	34.69 - 54.76
MW-3	8/18/2015	3325.87	45.42	0.00	3280.45	34.69 - 54.77
MW-3	9/11/2015	3325.87	45.40	0.00	3280.47	34.69 - 54.78
MW-3	12/3/2015	3325.87	45.21	0.00	3280.66	34.69 - 54.79
MW-3	3/17/2016	3325.87	45.35	0.00	3280.52	34.69 - 54.80
MW-3	7/19/2016	3325.87	45.12	0.00	3280.75	34.69 - 54.81
MW-3	8/26/2016	3325.87	45.13	0.00	3280.74	34.69 - 54.75
MW-3	10/18/2016	3325.87	45.01	0.00	3280.86	34.69 - 54.76
MW-3	1/18/2017	3325.87	45.07	0.00	3280.80	34.69 - 54.77
MW-3	4/25/2017	3325.87	44.93	0.00	3280.94	34.69 - 54.78
MW-3	9/13/2017	3325.87	44.90	0.00	3280.97	34.69 - 54.79
MW-3	12/19/2017	3325.87	44.94	0.00	3280.93	34.69 - 54.80
MW-3	2/26/2018	3325.87	44.94	0.00	3280.93	34.69 - 54.81
MW-3	5/7/2018	3325.87	44.94	0.00	3280.93	34.69 - 54.82
MW-3	8/2/2018	3325.87	45.02	0.00	3280.85	34.69 - 54.83
MW-3	12/10/2018	3325.87	45.09	0.00	3280.78	34.69 - 54.84
MW-3	2/18/2019	3325.87	45.10	0.00	3280.77	34.69 - 54.85
MW-3	5/7/2019	3325.87	45.02	0.00	3280.85	34.69 - 54.86
MW-3	8/1/2019	3325.87	45.09	0.00	3280.78	34.69 - 54.87
MW-3	12/5/2019	3325.87	45.07	0.00	3280.80	34.69 - 54.88
MW-3	2/17/2020	3325.87	45.00	0.00	3280.87	34.69 - 54.75
MW-3	5/4/2020	3325.87	45.05	0.00	3280.82	34.69 - 54.76
MW-3	8/12/2020	3325.87	45.10	0.00	3280.77	34.69 - 54.77
MW-3	10/5/2020	3325.87	45.15	0.00	3280.72	34.69 - 54.78
MW-3	1/4/2021	3325.87	44.34	0.00	3281.53	34.69 - 54.79
MW-3	2/1/2021	3325.87	45.20	0.00	3280.67	34.69 - 54.80

**CUMULATIVE WELL GAUGING DATA**  
**LMPSU TRASH PIT**  
**LEA COUNTY, NEW MEXICO**  
**1RP-3360 / nTO1427254875**

WELL NUMBER	DATE	CASING ELEV. (FT)	DEPTH TO WATER (FT-BTOC)	LNAPL THICKNESS (FT)	GW ELEVATION (FT)	SCREENED INTERVAL (FT-BGS)
MW-3	4/30/2021	3325.87	45.20	0.00	3280.67	34.69 - 54.81
MW-3	8/9/2021	3325.87	45.11	0.00	3280.76	34.69 - 54.82
MW-3	11/19/2021	3325.87	45.11	0.00	3280.76	34.69 - 54.83
MW-3	2/25/2022	3325.87	45.15	0.00	3280.72	34.69 - 54.84
MW-3	5/18/2022	3325.87	45.14	0.00	3280.73	34.69 - 54.85
MW-3	8/19/2022	3325.87	45.19	0.00	3280.68	34.69 - 54.86
MW-3	12/19/2022	3325.87	45.21	0.00	3280.66	34.69 - 54.87
MW-3	3/17/2023	3325.87	45.24	0.00	3280.63	34.69 - 54.88
MW-3	6/8/2023	3325.87	45.21	0.00	3280.66	34.69 - 54.75
MW-3	12/20/2023	3325.87	45.27	0.00	3280.60	34.69 - 54.75
MW-3	6/25/2024	3325.87	45.25	0.00	3280.62	34.69 - 54.75
MW-3	12/9/2024	3325.87	45.27	0.00	3280.60	34.69 - 54.75
MW-3	6/2/2025	3325.87	45.25	0.00	3280.62	34.69 - 54.75
MW-3	12/8/2025	3325.87	45.33	0.00	3280.54	34.69 - 54.75
MW-4	4/15/2015	3322.16	42.08	0.00	3280.08	38.31 - 57.77
MW-4	6/1/2015	3322.16	42.35	0.00	3279.81	38.31 - 57.78
MW-4	8/18/2015	3322.16	42.20	0.00	3279.96	38.31 - 57.79
MW-4	9/11/2015	3322.16	42.00	0.00	3280.16	38.31 - 57.80
MW-4	12/3/2015	3322.16	41.77	0.00	3280.39	38.31 - 57.81
MW-4	3/17/2016	3322.16	42.02	0.00	3280.14	38.31 - 57.82
MW-4	7/19/2016	3322.16	41.65	0.00	3280.51	38.31 - 57.83
MW-4	8/26/2016	3322.16	41.64	0.00	3280.52	38.31 - 57.77
MW-4	10/18/2016	3322.16	41.51	0.00	3280.65	38.31 - 57.78
MW-4	1/18/2017	3322.16	41.54	0.00	3280.62	38.31 - 57.79
MW-4	4/25/2017	3322.16	41.47	0.00	3280.69	38.31 - 57.80
MW-4	9/13/2017	3322.16	41.39	0.00	3280.77	38.31 - 57.81
MW-4	12/19/2017	3322.16	41.43	0.00	3280.73	38.31 - 57.82
MW-4	2/26/2018	3322.16	41.44	0.00	3280.72	38.31 - 57.83
MW-4	5/7/2018	3322.16	41.41	0.00	3280.75	38.31 - 57.84
MW-4	8/2/2018	3322.16	41.48	0.00	3280.68	38.31 - 57.85
MW-4	12/10/2018	3322.16	41.49	0.00	3280.67	38.31 - 57.86
MW-4	2/18/2019	3322.16	41.49	0.00	3280.67	38.31 - 57.87
MW-4	5/7/2019	3322.16	41.45	0.00	3280.71	38.31 - 57.88
MW-4	8/1/2019	3322.16	41.50	0.00	3280.66	38.31 - 57.89
MW-4	12/5/2019	3322.16	41.49	0.00	3280.67	38.31 - 57.90
MW-4	2/17/2020	3322.16	42.50	0.00	3279.66	38.31 - 57.77

**CUMULATIVE WELL GAUGING DATA  
LMPSU TRASH PIT  
LEA COUNTY, NEW MEXICO  
1RP-3360 / nTO1427254875**

<b>WELL NUMBER</b>	<b>DATE</b>	<b>CASING ELEV. (FT)</b>	<b>DEPTH TO WATER (FT-BTOC)</b>	<b>LNAPL THICKNESS (FT)</b>	<b>GW ELEVATION (FT)</b>	<b>SCREENED INTERVAL (FT-BGS)</b>
MW-4	5/4/2020	3322.16	41.45	0.00	3280.71	38.31 - 57.78
MW-4	8/12/2020	3322.16	41.50	0.00	3280.66	38.31 - 57.79
MW-4	10/5/2020	3322.16	41.49	0.00	3280.67	38.31 - 57.80
MW-4	1/4/2021	3322.16	43.47	0.00	3278.69	38.31 - 57.81
MW-4	2/1/2021	3322.16	41.60	0.00	3280.56	38.31 - 57.82
MW-4	4/30/2021	3322.16	41.60	0.00	3280.56	38.31 - 57.83
MW-4	8/9/2021	3322.16	41.44	0.00	3280.72	38.31 - 57.84
MW-4	11/19/2021	3322.16	41.49	0.00	3280.67	38.31 - 57.85
MW-4	2/25/2022	3322.16	41.54	0.00	3280.62	38.31 - 57.86
MW-4	5/18/2022	3322.16	41.56	0.00	3280.60	38.31 - 57.87
MW-4	8/19/2022	3322.16	41.61	0.00	3280.55	38.31 - 57.88
MW-4	12/19/2022	3322.16	41.61	0.00	3280.55	38.31 - 57.89
MW-4	3/17/2023	3322.16	41.59	0.00	3280.57	38.31 - 57.90
MW-4	6/8/2023	3322.16	41.57	0.00	3280.59	38.31 - 57.77
MW-4	12/20/2023	3322.16	41.66	0.00	3280.50	38.31 - 57.77
MW-4	6/5/2024	3322.16	41.86	0.00	3280.30	38.31 - 57.77
MW-4	12/9/2024	3322.16	41.71	0.00	3280.45	38.31 - 57.77
MW-4	6/2/2025	3322.16	41.61	0.00	3280.55	38.31 - 57.77
MW-4	12/8/2025	3322.16	41.73	0.00	3280.43	38.31 - 57.77

**Notes:**

1. Elevations referenced to a temporary on-site benchmark.
2. BTOC = below top of casing
3. All depth-to-water information prior to the 12/2023 data was collected by a previous consultant.
4. All well survey data was collected by other parties and not verified by Ranger. The presented groundwater elevation data is based on information provided to Ranger.

CUMULATIVE GROUNDWATER ANALYTICAL SUMMARY TABLE  
 LMPSU TRASH PIT  
 LEA COUNTY, NEW MEXICO  
 1RP-3360 / nTO1427254875

All Values Presented in Parts Per Million (mg/L) unless otherwise noted

SAMPLE ID	DATE	Benzene	Toluene	Ethylbenzene	Xylenes	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	Nitrate	TDS
MW-1	12/11/2014	--	--	--	--	186	242	22.3	913	1,600	543	888	<0.100	5,330
MW-1	1/28/2015	--	--	--	--	610	437	32.5	1,430	3,230	947	417	<0.100	6,260
MW-1	6/1/2015	<0.001	<0.001	<0.001	<0.001	201	270	27.6	950	1,560	446	653	<0.2	3,920
MW-1	8/18/2015	<0.0008	<0.002	<0.002	<0.003	152	224	21.5	820	1,600	433	723	<0.10	3,830
MW-1	12/3/2015	<0.0008	<0.002	<0.002	<0.003	310	258	22.6	930	1,820	431	727	<0.1	4,230
MW-1	3/17/2016	<0.002	<0.006	<0.006	<0.009	184	283	22.7	982	1,920	432	---	<0.500	4,130
MW-1	7/19/2016	<0.002	<0.006	<0.006	<0.009	185	292	21.6	1,020	2,040	478	714	<0.500	4,690
MW-1	8/29/2016	<0.002	<0.006	<0.006	<0.009	166	278	19.9	986	1,840	450	721	<0.500	5,130
MW-1	10/18/2016	<0.002	<0.006	<0.006	<0.009	2,030	318	25	1,040	2,030	406	739	<0.500	5,040
MW-1	1/18/2017	<0.002	<0.006	<0.006	<0.006	212	333	22.9	1,130	2,080	454	766	<0.500	5,500
MW-1	4/25/2017	<0.002	<0.006	<0.006	<0.006	313	366	26.6	1,290	2,840	852	439	<0.500	9,820
MW-1	9/13/2017	<0.002	<0.006	<0.006	<0.006	217	329	21.8	1,070	1,920	361	811	<1.00	4,950
MW-1	12/19/2017	<0.002	<0.006	<0.006	<0.006	214	325	21.9	1,070	2,170	521	734	<0.0800	4,910
MW-1	2/26/2018	<0.002	<0.006	<0.006	<0.006	217	336	21.3	1,160	2,190	559	751	<0.0500	4,930
MW-1	5/7/2018	<0.002	<0.006	<0.006	<0.006	218	338	20.5	1,150	2,170	643	725	<0.0500	5,000
MW-1	8/2/2018	<0.00200	<0.00600	<0.00600	<0.00600	227	329	22.4	1,080	2,040	693	726	<0.0500	5,060
MW-1	12/10/2018	<0.00200	<0.00600	<0.00600	<0.00600	219	341	20.4	1,100	1,980	696	714	<0.0500	5,340
MW-1	2/18/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	2,610	--	--	--	--
MW-1	5/7/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	2,570	--	--	--	--
MW-1	8/1/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	2,010	--	--	--	--
MW-1	12/5/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	2,110	--	--	--	--
MW-1	2/17/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	1,950	--	--	--	--
MW-1	5/4/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	2,240	--	--	--	--
MW-1	1/4/2021	<0.00200	<0.00600	<0.00600	<0.00600	63.5	71.4	9.76	288	449	261	204	--	1,420
MW-1	2/1/2021	<0.00200	<0.00600	<0.00600	<0.00600	196	325	19.7	1,130	2,130	652	694	--	5,060
MW-1	4/30/2021	<0.000800	<0.00200	<0.00200	<0.00200	207	314	19.1	1,100	2,120	750	657	--	4,940
MW-1	8/9/2021	<0.000800	<0.00200	<0.00200	<0.00200	192	297	18.5	1,090	1,930	737	646	--	4,800
MW-1	11/19/2021	<0.000800	<0.00200	<0.00200	<0.00200	191	288	18	1,000	1,950	724	613	--	4,770
MW-1	2/25/2022	<0.000800	<0.00200	<0.00200	<0.00200	170	278	18.2	1,100	1,930	690	638	--	4,570
MW-1	5/18/2022	<0.000800	<0.00200	<0.00200	<0.00200	183	269	17.8	1,000	1,980	703	566	--	4,550
MW-1	8/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	155	258	18.7	1,080	1,890	675	670	--	4,670
MW-1	12/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	166	254	18.8	1,040	1,890	713	620	--	4,400
MW-1	3/17/2023	<0.000800	<0.00200	<0.00200	<0.00200	153	254	18.7	1,080	2,130	741	706	--	5,020
MW-1	6/9/2023	<0.000800	<0.00200	<0.00200	<0.00200	175	246	18.6	987	1,630	631	620	--	4,380
MW-1	12/20/2023	<0.001	<0.001	<0.001	<0.002	160	240	24	1,200	1,500	540	611.1	--	3,830
MW-1	6/25/2024	0.0012	0.005	0.0012	0.0048	230	270	21	1,100	1,700	740	590	--	4,200
MW-1	12/9/2024	<0.001	<0.001	<0.001	<0.002	190	240	20	980	1,900	650	620	--	4,600
MW-1	6/2/2025	<0.001	<0.001	<0.001	<0.002	180	220	17	890	1,600	680	590	--	4,200
MW-1	12/8/2025	<0.001	<0.001	<0.001	<0.002	200	240	26	970	2,200	750	600	--	4,800

CUMULATIVE GROUNDWATER ANALYTICAL SUMMARY TABLE  
 LMPSU TRASH PIT  
 LEA COUNTY, NEW MEXICO  
 1RP-3360 / nTO1427254875

All Values Presented in Parts Per Million (mg/L) unless otherwise noted

SAMPLE ID	DATE	Benzene	Toluene	Ethylbenzene	Xylenes	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	Nitrate	TDS
MW-2	12/11/2014	--	--	--	--	64.5	34.9	8.29	116	71.8	119	361	1.42	619
MW-2	1/28/2015	--	--	--	--	91.1	36.6	7.3	126	71.3	112	288	1.36	573
MW-2	6/1/2015	<0.001	<0.001	<0.001	<0.001	54.9	34.6	<10	117	57.8	112	281	1.63	578
MW-2	8/18/2015	<0.0008	<0.002	<0.002	<0.003	118	32.6	6.01	104	73.9	114	274	1.35	583
MW-2	12/3/2015	<0.0008	<0.002	<0.002	<0.003	214	31.8	6.22	106	67	112	247	1.23	582
MW-2	3/17/2016	<0.002	<0.006	<0.006	<0.009	45	27.2	6.02	99	63.8	114	---	1.57	560
MW-2	7/19/2016	<0.002	<0.006	<0.006	<0.009	42.6	28	5.69	109	65.6	113	221	1.44	605
MW-2	8/29/2016	<0.002	<0.006	<0.006	<0.009	45.8	28.1	5.99	107	61.5	109	262	1.53	923
MW-2	10/18/2016	<0.002	<0.006	<0.006	<0.009	45.6	28.6	6.4	103	59.8	105	241	1.52	571
MW-2	1/18/2017	<0.002	<0.006	<0.006	<0.006	45.7	28.3	5.79	107	60	109	246	1.53	591
MW-2	4/25/2017	<0.002	<0.006	<0.006	<0.006	44.4	28.7	5.55	108	59.9	112	248	1.43	649
MW-2	9/13/2017	<0.002	<0.006	<0.006	<0.006	49.3	28.4	6.15	102	61.2	111	256	1.58	577
MW-2	12/19/2017	<0.002	<0.006	<0.006	<0.006	46.3	28.3	5.55	104	63	106	298	1.39	571
MW-2	2/26/2018	<0.002	<0.006	<0.006	<0.006	46.3	28.3	5.75	107	64.6	111	301	1.34	593
MW-2	5/7/2018	<0.002	<0.006	<0.006	<0.006	49.2	29.1	5.64	109	63.2	125	257	1.45	580
MW-2	8/2/2018	<0.00200	<0.00600	<0.00600	<0.00600	51.7	28.4	5.72	106	68.8	120	274	1.21	616
MW-2	12/10/2018	<0.00200	<0.00600	<0.00600	<0.00600	46.4	28.4	5.54	109	65.4	112	260	1.33	601
MW-2	2/18/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	67	--	--	--	--
MW-2	5/7/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	67.1	--	--	--	--
MW-2	8/1/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	72.2	--	--	--	--
MW-2	12/5/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	58.2	--	--	--	--
MW-2	2/17/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	67.6	--	--	--	--
MW-2	5/4/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	68.4	--	--	--	--
MW-2	1/4/2021	<0.00200	<0.00600	<0.00600	<0.00600	69.8	45.3	8.07	169	194	207	244	--	917
MW-2	2/1/2021	<0.00200	<0.00600	<0.00600	<0.00600	56.2	45.1	6.4	135	73	258	274	--	827
MW-2	4/30/2021	<0.000800	<0.00200	<0.00200	<0.00200	52.7	28	5.36	107	61.4	126	258	--	607
MW-2	8/9/2021	<0.000800	<0.00200	<0.00200	<0.00200	50.0	29.4	5.39	114	65.4	121	269	--	605
MW-2	11/19/2021	<0.000800	<0.00200	<0.00200	<0.00200	50.5	27.6	5.4	101	65.5	118	257	--	597
MW-2	2/25/2022	<0.000800	<0.00200	<0.00200	<0.00200	50.4	29.8	5.74	118	73.7	124	264	--	638
MW-2	5/18/2022	<0.000800	<0.00200	<0.00200	<0.00200	53.1	28.1	5.31	109	78.5	131	270	--	650
MW-2	8/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	54.5	31.7	5.44	126	73.5	121	284	--	649
MW-2	12/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	50.6	28.1	6.03	112	68.6	116	247	--	585
MW-2	3/17/2023	<0.000800	<0.00200	<0.00200	<0.00200	48.4	28.8	5.91	110	63.6	114	256	--	608
MW-2	6/9/2023	<0.000800	<0.00200	<0.00200	<0.00200	52.6	27.9	5.33	102	63.6	111	262	--	588
MW-2	12/20/2023	<0.001	<0.001	<0.001	<0.002	51.0	28	5.9	99	62	110	254.8	--	594
MW-2	6/25/2024	<0.001	0.0015	<0.001	<0.002	53	30	5.5	110	66	120	270	--	620
MW-2	12/9/2024	<0.001	<0.001	<0.001	<0.002	49	29	5.7	110	60	110	260	--	600
MW-2	6/2/2025	<0.001	<0.001	<0.001	<0.002	47	27	5.4	98	66	120	270	--	580
MW-2	12/8/2025	<0.001	<0.001	<0.001	<0.002	53	31	6.4	110	66	120	270	--	590

CUMULATIVE GROUNDWATER ANALYTICAL SUMMARY TABLE  
 LMPSU TRASH PIT  
 LEA COUNTY, NEW MEXICO  
 1RP-3360 / nTO1427254875

All Values Presented in Parts Per Million (mg/L) unless otherwise noted

SAMPLE ID	DATE	Benzene	Toluene	Ethylbenzene	Xylenes	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	Nitrate	TDS
MW-3	6/1/2015	<0.001	<0.001	<0.001	<0.001	57.6	60.5	10.7	324	399	234	290	2.19	1,180
MW-3	8/18/2015	<0.0008	<0.002	<0.002	<0.003	147	51.5	8.22	284	405	239	230	1.5	1,380
MW-3	12/3/2015	<0.0008	<0.002	<0.002	<0.003	221	51.9	8.48	284	350	222	232	1.19	1,260
MW-3	3/17/2016	<0.002	<0.006	<0.006	<0.009	49.2	47.9	8.58	284	334	232	---	1.85	1,050
MW-3	7/19/2016	<0.002	<0.006	<0.006	<0.009	41.5	47.7	7.93	301	349	233	244	1.75	1,260
MW-3	8/29/2016	<0.002	<0.006	<0.006	<0.009	51.9	47.4	7.78	277	327	252	230	1.83	1,240
MW-3	10/18/2016	<0.002	<0.006	<0.006	<0.009	49.6	56.4	9.32	324	340	223	219	1.78	1,280
MW-3	1/18/2017	<0.002	<0.006	<0.006	<0.006	45.7	51.8	8.54	312	342	240	215	1.75	1,340
MW-3	4/25/2017	<0.002	<0.006	<0.006	<0.006	50.0	62.5	9.6	392	342	223	220	1.6	1,510
MW-3	9/13/2017	<0.002	<0.006	<0.006	<0.006	49.6	54.2	9.22	314	380	227	218	1.91	1,410
MW-3	12/19/2017	<0.002	<0.006	<0.006	<0.006	52.9	56.2	9.21	304	379	243	207	1.81	1,280
MW-3	2/26/2018	<0.002	<0.006	<0.006	<0.006	49.7	53.7	8.66	296	378	216	218	2.13	1,280
MW-3	5/7/2018	<0.002	<0.006	<0.006	<0.006	53.7	56.6	8.85	311	414	249	204	2.21	1,300
MW-3	8/2/2018	<0.00200	<0.00600	<0.00600	<0.00600	55.8	54.2	9.09	283	388	256	210	2.13	1,330
MW-3	12/10/2018	<0.00200	<0.00600	<0.00600	<0.00600	53.6	59.2	8.66	298	391	251	207	1.81	1,330
MW-3	2/18/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	421	--	--	--	--
MW-3	5/7/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	432	--	--	--	--
MW-3	8/1/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	421	--	--	--	--
MW-3	12/5/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	429	--	--	--	--
MW-3	2/17/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	424	--	--	--	--
MW-3	5/4/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	451	--	--	--	--
MW-3	1/4/2021	<0.00200	<0.00600	<0.00600	<0.00600	48.7	27.7	5.67	106	65.9	108	259	--	596
MW-3	2/1/2021	<0.00200	<0.00600	<0.00600	<0.00600	64.4	74.2	9.8	295	452	262	197	--	1,410
MW-3	4/30/2021	<0.000800	<0.00200	<0.00200	<0.00200	65.3	70.1	10	300	483	269	195	--	1,480
MW-3	8/9/2021	<0.000800	<0.00200	<0.00200	<0.00200	65.3	72.1	9.81	294	447	278	194	--	1,380
MW-3	11/19/2021	<0.000800	<0.00200	<0.00200	<0.00200	70.4	70.2	9.34	266	457	484	193	--	1,410
MW-3	2/25/2022	<0.000800	<0.00200	<0.00200	<0.00200	65.4	72.3	9.75	296	453	266	195	--	1,400
MW-3	5/18/2022	<0.000800	<0.00200	<0.00200	<0.00200	75.7	73.2	9.85	278	470	277	194	--	1,370
MW-3	8/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	69.2	76.4	10.1	304	461	274	190	--	1,460
MW-3	12/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	71.2	74.4	10.1	290	475	289	191	--	1,410
MW-3	3/17/2023	<0.000800	<0.00200	<0.00200	<0.00200	70.6	77.2	9.94	294	448	285	189	--	1,530
MW-3	6/9/2023	<0.000800	<0.00200	<0.00200	<0.00200	76.2	76.6	9.9	274	432	258	198	--	1,470
MW-3	12/20/2023	<0.001	<0.001	<0.001	<0.002	82.0	74	9.8	260	440	280	204.5	--	1,380
MW-3	6/25/2024	<0.001	<0.001	<0.001	<0.002	75	80	10	270	480	270	200	--	1,400
MW-3	12/9/2024	<0.001	<0.001	<0.001	<0.002	75	83	10	290	470	270	200	--	1,400
MW-3	6/2/2025	<0.001	<0.001	<0.001	<0.002	97	90	9.6	300	570	320	250	--	1,600
MW-3	12/8/2025	<0.001	<0.001	<0.001	<0.002	120	100	13	300	610	340	260	--	1,600

CUMULATIVE GROUNDWATER ANALYTICAL SUMMARY TABLE  
 LMPSU TRASH PIT  
 LEA COUNTY, NEW MEXICO  
 1RP-3360 / nTO1427254875

All Values Presented in Parts Per Million (mg/L) unless otherwise noted

SAMPLE ID	DATE	Benzene	Toluene	Ethylbenzene	Xylenes	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	Nitrate	TDS
MW-4	6/1/2015	<0.001	<0.001	<0.001	0.0015	83	58.6	10.1	186	190	251	236	2.34	918
MW-4	8/18/2015	<0.0008	<0.002	<0.002	<0.003	70.6	52.8	8.28	160	213	251	256	1.54	974
MW-4	12/3/2015	<0.0008	<0.002	<0.002	<0.003	93.5	54.7	8.91	190	218	239	266	1.19	1,050
MW-4	3/17/2016	<0.002	<0.006	<0.006	<0.009	83.9	57.2	10.7	171	214	252	---	1.76	945
MW-4	7/19/2016	<0.002	<0.006	<0.006	<0.009	80.6	58.7	8.75	213	259	273	252	1.61	1,100
MW-4	8/29/2016	<0.002	<0.006	<0.006	<0.009	81.8	57.2	9.25	202	247	276	266	1.72	1,500
MW-4	10/18/2016	<0.002	<0.006	<0.006	<0.009	81.8	55.8	8.85	205	255	264	248	1.7	1,270
MW-4	1/18/2017	<0.002	<0.006	<0.006	<0.006	86.2	58.9	8.93	203	262	279	245	1.66	1,210
MW-4	4/25/2017	<0.002	<0.006	<0.006	<0.006	86.8	61.9	9.24	213	285	279	239	1.51	1,510
MW-4	9/13/2017	<0.002	<0.006	<0.006	<0.006	99.3	65	11.1	213	288	278	236	1.78	1,280
MW-4	12/19/2017	<0.002	<0.006	<0.006	<0.006	95.6	64.2	9.33	209	298	296	226	1.73	1,240
MW-4	2/26/2018	<0.002	<0.006	<0.006	<0.006	91.8	62.5	9.32	211	320	306	239	1.93	1,250
MW-4	5/7/2018	<0.002	<0.006	<0.006	<0.006	96.2	64.2	9.6	214	296	299	234	1.9	1,220
MW-4	8/2/2018	<0.00200	<0.00600	<0.00600	<0.00600	90.1	54.6	9.23	189	254	277	245	1.95	1,140
MW-4	12/10/2018	<0.00200	<0.00600	<0.00600	<0.00600	77.9	53.6	8.49	195	223	243	249	1.79	1,110
MW-4	2/18/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	231	--	--	--	--
MW-4	5/7/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	215	--	--	--	--
MW-4	8/1/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	213	--	--	--	--
MW-4	12/5/2019	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	211	--	--	--	--
MW-4	2/17/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	195	--	--	--	--
MW-4	5/4/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	211	--	--	--	--
MW-4	1/4/2021	<0.00200	<0.00600	<0.00600	<0.00600	210	323	18.9	1100	2,160	686	665	--	4,950
MW-4	2/1/2021	<0.00200	<0.00600	<0.00600	<0.00600	68.7	46.4	8.1	168	192	221	246	--	948
MW-4	4/30/2021	<0.000800	<0.00200	<0.00200	<0.00200	75.3	44.5	8.41	158	179	209	244	--	910
MW-4	8/9/2021	<0.000800	<0.00200	<0.00200	<0.00200	65.0	43.5	7.98	165	181	211	243	--	877
MW-4	11/19/2021	<0.000800	<0.00200	<0.00200	<0.00200	70.4	70.2	9.34	266	169	208	243	--	883
MW-4	2/22/2022	<0.000800	<0.00200	<0.00200	<0.00200	62	42.7	7.83	165	176	200	256	--	861
MW-4	5/18/2022	<0.000800	<0.00200	<0.00200	<0.00200	67	40.8	7.85	156	175	194	247	--	880
MW-4	8/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	65	42.6	8.13	162	163	189	247	--	857
MW-4	12/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	63	41.2	8.02	157	166	195	246	--	850
MW-4	3/17/2023	<0.000800	<0.00200	<0.00200	<0.00200	62	43	7.79	160	245	189	245	--	951
MW-4	6/9/2023	<0.000800	<0.00200	<0.00200	<0.00200	65	41.6	7.73	148	145	170	246	--	827
MW-4	12/20/2023	<0.001	<0.001	<0.001	<0.002	68	43	8.2	140	160	180	244.8	--	816
MW-4	6/25/2024	<0.001	0.0021	<0.001	<0.002	59	40	7.7	150	140	160	260	--	780
MW-4	12/9/2024	<0.001	<0.001	<0.001	<0.002	59	42	7.7	140	140	170	250	--	790
MW-4	6/2/2025	<0.001	<0.001	<0.001	<0.002	56	38	7.5	140	150	180	250	--	770
MW-4	12/8/2025	<0.001	<0.001	<0.001	<0.002	61	41	8.3	140	150	160	250	--	740

**CUMULATIVE GROUNDWATER ANALYTICAL SUMMARY TABLE**  
**LMPSU TRASH PIT**  
**LEA COUNTY, NEW MEXICO**  
**1RP-3360 / nTO1427254875**

All Values Presented in Parts Per Million (mg/L) unless otherwise noted

SAMPLE ID	DATE	Benzene	Toluene	Ethylbenzene	Xylenes	Calcium	Magnesium	Potassium	Sodium	Chloride	Sulfate	Alkalinity	Nitrate	TDS
Dup-1 (MW-1)	2/17/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	--	--	--	--	<b>2,200</b>
Dup-1 (MW-3)	5/4/2020	<0.00200	<0.00600	<0.00600	<0.00600	--	--	--	--	--	--	--	--	449
Dup-1 (MW-2)	1/4/2021	<0.00200	<0.00600	<0.00600	<0.00600	69	45	8.00	166	191	204	247	--	927
Dup-1 (MW-2)	2/1/2021	<0.00200	<0.00600	<0.00600	<0.00600	56	49	6.50	145	74	285	269	--	860
Dup-1 (MW-2)	4/30/2021	<0.000800	<0.00200	<0.00200	<0.00200	53	28	5.30	106	60	125	262	--	612
Dup-1 (MW-2)	8/9/2021	<0.000800	<0.00200	<0.00200	<0.00200	65	44	7.98	165	181	211	243	--	877
Dup-1 (MW-2)	11/19/2021	<0.000800	<0.00200	<0.00200	<0.00200	47	27	5.38	98	65	118	244	--	594
Dup-1 (MW-2)	2/25/2022	<0.000800	<0.00200	<0.00200	<0.00200	48	28	5.61	113	71	118	254	--	598
Dup-1 (MW-2)	5/18/2022	<0.000800	<0.00200	<0.00200	<0.00200	54	29	5.09	111	78	129	265	--	650
Dup-1 (MW-2)	8/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	51	29	5.27	117	73	120	278	--	651
DUP-1 (MW-2)	12/19/2022	<0.000800	<0.00200	<0.00200	<0.00200	49	28	5.97	112	68	115	248	--	586
DUP-1 (MW-2)	3/17/2023	<0.000800	<0.00200	<0.00200	<0.00200	50	29	5.92	112	63	112	257	--	602
DUP-1 (MW-2)	6/9/2023	<0.000800	<0.00200	<0.00200	<0.00200	53	28	5.52	104	62	109	257	--	604
Duplicate (MW-2)	12/20/2024	<0.001	<0.001	<0.001	<0.002	54	28	6.00	100	61	110	253.8	--	603
MW-A Duplicate (MW-2)	6/25/2024	<0.001	0.0015	<0.001	<0.002	52	30	5.5	110	62	110	270	--	610
FIELD DUP. (MW-2)	12/9/2024	<0.001	<0.001	<0.001	<0.002	47	29	5.8	100	62	110	260	--	590
MW-A (MW-2)	6/2/2025	<0.001	<0.001	<0.001	<0.002	47	27	5.3	95	68	130	270	--	580
MW-A (MW-2)	12/8/2025	<0.001	<0.001	<0.001	<0.002	52	30	6.3	110	66	120	270	--	590
<b>20.6.2.3103 NMAC GW STANDARDS</b>														
<b>(&lt;10,000 mg/L)</b>														
<b>A. Human Health Standards</b>		<b>0.005</b>	<b>1</b>	<b>0.7</b>	<b>0.62</b>					<b>250</b>	<b>600</b>		<b>10<sup>1</sup></b>	<b>1,000</b>
<b>B. Other Standards for Domestic Water Supply</b>														
<b>C. Standards for Irrigation Use</b>														

Notes:  
1. This standard is for nitrate. The nitrite standard is 1.0 mg/L.  
2. Exceedances of the listed closure criteria highlighted in bold, red type.

# **ATTACHMENT 1 – SITE PHOTOGRAPHS**



**PHOTOGRAPH NO. 1 – A general view of the low-flow sampling methodology during the June 22, 2025 monitoring event.**



**PHOTOGRAPH NO. 2 – A general view of the low-flow sampling methodology during the December 8, 2025 monitoring event.**

# **ATTACHMENT 2 – LABORATORY ANALYTICAL REPORTS**



Environment Testing

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- 2
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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Will Kierdorf  
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Generated 6/13/2025 9:58:30 AM

## JOB DESCRIPTION

LMPSU Trash Pit

## JOB NUMBER

885-26091-1

Eurofins Albuquerque  
 4901 Hawkins NE  
 Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



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Client: Ranger Environmental Services, Inc  
Project/Site: LMPSU Trash Pit

Laboratory Job ID: 885-26091-1



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## Definitions/Glossary

Client: Ranger Environmental Services, Inc  
Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

## Qualifiers

## Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Ranger Environmental Services, Inc  
Project: LMPSU Trash Pit

Job ID: 885-26091-1

**Job ID: 885-26091-1**

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## Job Narrative 885-26091-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

### Receipt

The samples were received on 6/5/2025 7:45 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.3°C.

### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### General Chemistry

Method 2540C\_SingleDry: The analysis volume selected for the following samples produced a base result greater than 200mg before calculation of the final result: MW-1 (885-26091-1), (885-26149-A-1) and (885-26149-A-1 DU). Reanalysis could not be performed due to, holding time exceedance. Visual inspection by analyst shows no signs of trapped moisture, report as is. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: MW-1**

**Lab Sample ID: 885-26091-1**

Date Collected: 06/02/25 15:04

Matrix: Water

Date Received: 06/05/25 07:45

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			06/07/25 16:26	1
Ethylbenzene	ND		1.0	ug/L			06/07/25 16:26	1
Toluene	ND		1.0	ug/L			06/07/25 16:26	1
Xylenes, Total	ND		2.0	ug/L			06/07/25 16:26	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150				06/07/25 16:26	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1600		50	mg/L			06/06/25 09:02	100
Sulfate	680		5.0	mg/L			06/06/25 08:32	10

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	180		10	mg/L			06/12/25 07:38	10
Magnesium	220		10	mg/L			06/12/25 07:38	10
Potassium	17		1.0	mg/L			06/09/25 15:20	1
Sodium	890		10	mg/L			06/12/25 07:38	10

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4200	E	100	mg/L			06/09/25 09:46	1
Total Alkalinity as CaCO3 (SM 2320B)	590		20	mg/L			06/06/25 16:23	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	590		20	mg/L			06/06/25 16:23	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			06/06/25 16:23	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			06/06/25 16:23	1

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: MW-2**

**Lab Sample ID: 885-26091-2**

Date Collected: 06/02/25 13:05

Matrix: Water

Date Received: 06/05/25 07:45

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			06/07/25 16:48	1
Ethylbenzene	ND		1.0	ug/L			06/07/25 16:48	1
Toluene	ND		1.0	ug/L			06/07/25 16:48	1
Xylenes, Total	ND		2.0	ug/L			06/07/25 16:48	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150				06/07/25 16:48	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66		5.0	mg/L			06/12/25 11:09	10
Sulfate	120		5.0	mg/L			06/12/25 11:09	10

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	47		10	mg/L			06/12/25 07:40	10
Magnesium	27		10	mg/L			06/12/25 07:40	10
Potassium	5.4		1.0	mg/L			06/09/25 15:22	1
Sodium	98		1.0	mg/L			06/09/25 15:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	580		50	mg/L			06/09/25 09:46	1
Total Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			06/06/25 16:46	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			06/06/25 16:46	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			06/06/25 16:46	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			06/06/25 16:46	1

### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: MW-3**

**Lab Sample ID: 885-26091-3**

Date Collected: 06/02/25 14:22

Matrix: Water

Date Received: 06/05/25 07:45

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			06/07/25 17:10	1
Ethylbenzene	ND		1.0	ug/L			06/07/25 17:10	1
Toluene	ND		1.0	ug/L			06/07/25 17:10	1
Xylenes, Total	ND		2.0	ug/L			06/07/25 17:10	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150				06/07/25 17:10	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	570		5.0	mg/L			06/06/25 10:08	10
Sulfate	320		5.0	mg/L			06/06/25 10:08	10

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	97		10	mg/L			06/12/25 07:42	10
Magnesium	90		10	mg/L			06/12/25 07:42	10
Potassium	9.6		1.0	mg/L			06/09/25 15:24	1
Sodium	300		10	mg/L			06/09/25 16:02	10

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1600		100	mg/L			06/09/25 09:46	1
Total Alkalinity as CaCO3 (SM 2320B)	250		20	mg/L			06/06/25 16:59	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		20	mg/L			06/06/25 16:59	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			06/06/25 16:59	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			06/06/25 16:59	1

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: MW-4**

**Lab Sample ID: 885-26091-4**

Date Collected: 06/02/25 13:49

Matrix: Water

Date Received: 06/05/25 07:45

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			06/07/25 17:32	1
Ethylbenzene	ND		1.0	ug/L			06/07/25 17:32	1
Toluene	ND		1.0	ug/L			06/07/25 17:32	1
Xylenes, Total	ND		2.0	ug/L			06/07/25 17:32	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150				06/07/25 17:32	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		10	mg/L			06/06/25 10:38	20
Sulfate	180		0.50	mg/L			06/06/25 10:28	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	56		10	mg/L			06/12/25 07:44	10
Magnesium	38		10	mg/L			06/12/25 07:44	10
Potassium	7.5		1.0	mg/L			06/09/25 15:27	1
Sodium	140		10	mg/L			06/09/25 16:10	10

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	770		50	mg/L			06/09/25 09:46	1
Total Alkalinity as CaCO3 (SM 2320B)	250		20	mg/L			06/06/25 17:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		20	mg/L			06/06/25 17:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			06/06/25 17:26	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			06/06/25 17:26	1

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: MW-A**

**Lab Sample ID: 885-26091-5**

Date Collected: 06/02/25 13:06

Matrix: Water

Date Received: 06/05/25 07:45

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			06/07/25 17:53	1
Ethylbenzene	ND		1.0	ug/L			06/07/25 17:53	1
Toluene	ND		1.0	ug/L			06/07/25 17:53	1
Xylenes, Total	ND		2.0	ug/L			06/07/25 17:53	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150				06/07/25 17:53	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	68		0.50	mg/L			06/06/25 10:47	1
Sulfate	130		0.50	mg/L			06/06/25 10:47	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	47		10	mg/L			06/12/25 07:46	10
Magnesium	27		10	mg/L			06/12/25 07:46	10
Potassium	5.3		1.0	mg/L			06/09/25 15:29	1
Sodium	95		1.0	mg/L			06/09/25 15:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	580		50	mg/L			06/09/25 09:46	1
Total Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			06/06/25 17:37	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			06/06/25 17:37	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			06/06/25 17:37	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			06/06/25 17:37	1

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 885-26091-6**

Date Collected: 06/02/25 00:00

Matrix: Water

Date Received: 06/05/25 07:45

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			06/07/25 18:15	1
Ethylbenzene	ND		1.0	ug/L			06/07/25 18:15	1
Toluene	ND		1.0	ug/L			06/07/25 18:15	1
Xylenes, Total	ND		2.0	ug/L			06/07/25 18:15	1
<b>Surrogate</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>			<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
4-Bromofluorobenzene (Surr)	95		15 - 150				06/07/25 18:15	1

### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-27798/99  
 Matrix: Water  
 Analysis Batch: 27798

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		1.0	ug/L			06/07/25 13:32	1
Ethylbenzene	ND		1.0	ug/L			06/07/25 13:32	1
Toluene	ND		1.0	ug/L			06/07/25 13:32	1
Xylenes, Total	ND		2.0	ug/L			06/07/25 13:32	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	96		15 - 150		06/07/25 13:32	1

Lab Sample ID: LCS 885-27798/98  
 Matrix: Water  
 Analysis Batch: 27798

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	20.0	17.9		ug/L		89	70 - 130
Ethylbenzene	20.0	18.2		ug/L		91	70 - 130
m&p-Xylene	40.0	37.1		ug/L		93	70 - 130
o-Xylene	20.0	18.4		ug/L		92	70 - 130
Toluene	20.0	17.8		ug/L		89	70 - 130
Xylenes, Total	60.0	55.5		ug/L		93	70 - 130

Surrogate	LCS	LCS	Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	95		15 - 150

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-27715/4  
 Matrix: Water  
 Analysis Batch: 27715

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Chloride	ND		0.50	mg/L			06/06/25 08:13	1
Sulfate	ND		0.50	mg/L			06/06/25 08:13	1

Lab Sample ID: LCS 885-27715/5  
 Matrix: Water  
 Analysis Batch: 27715

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chloride	5.00	4.98		mg/L		100	90 - 110
Sulfate	10.0	9.59		mg/L		96	90 - 110

Lab Sample ID: MRL 885-27715/3  
 Matrix: Water  
 Analysis Batch: 27715

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL	MRL	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Chloride	0.500	0.550		mg/L		110	50 - 150
Sulfate	0.500	0.539		mg/L		108	50 - 150

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

#### Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 885-28121/4  
 Matrix: Water  
 Analysis Batch: 28121

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			06/12/25 08:52	1
Sulfate	ND		0.50	mg/L			06/12/25 08:52	1

Lab Sample ID: MB 885-28121/50  
 Matrix: Water  
 Analysis Batch: 28121

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			06/12/25 19:03	1
Sulfate	ND		0.50	mg/L			06/12/25 19:03	1

Lab Sample ID: LCS 885-28121/5  
 Matrix: Water  
 Analysis Batch: 28121

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	5.09		mg/L		102	90 - 110
Sulfate	10.0	9.92		mg/L		99	90 - 110

Lab Sample ID: LCS 885-28121/51  
 Matrix: Water  
 Analysis Batch: 28121

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	5.14		mg/L		103	90 - 110
Sulfate	10.0	10.0		mg/L		100	90 - 110

Lab Sample ID: MRL 885-28121/3  
 Matrix: Water  
 Analysis Batch: 28121

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.546		mg/L		109	50 - 150
Sulfate	0.500	0.556		mg/L		111	50 - 150

#### Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 885-27924/20  
 Matrix: Water  
 Analysis Batch: 27924

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	ND		1.0	mg/L			06/09/25 14:39	1
Sodium	ND		1.0	mg/L			06/09/25 14:39	1

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

#### Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 885-27924/21  
 Matrix: Water  
 Analysis Batch: 27924

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	50.0	46.8		mg/L		94	85 - 115
Sodium	50.0	47.0		mg/L		94	85 - 115

Lab Sample ID: MRL 885-27924/17  
 Matrix: Water  
 Analysis Batch: 27924

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	0.500	0.476	J	mg/L		95	50 - 150
Sodium	0.500	0.551	J	mg/L		110	50 - 150

Lab Sample ID: MB 885-28138/17  
 Matrix: Water  
 Analysis Batch: 28138

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		1.0	mg/L			06/12/25 07:34	1
Magnesium	ND		1.0	mg/L			06/12/25 07:34	1

Lab Sample ID: LCS 885-28138/18  
 Matrix: Water  
 Analysis Batch: 28138

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	50.0	46.6		mg/L		93	85 - 115
Magnesium	50.0	46.4		mg/L		93	85 - 115

Lab Sample ID: MRL 885-28138/14  
 Matrix: Water  
 Analysis Batch: 28138

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	0.500	0.465	J	mg/L		93	50 - 150
Magnesium	0.500	0.478	J	mg/L		96	50 - 150
Potassium	0.500	0.485	J	mg/L		97	50 - 150
Sodium	0.500	0.382	J	mg/L		76	50 - 150

#### Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-27853/1  
 Matrix: Water  
 Analysis Batch: 27853

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		50	mg/L			06/09/25 09:46	1

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

#### Method: 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 885-27853/2  
 Matrix: Water  
 Analysis Batch: 27853

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	1000	981		mg/L		98	80 - 120

#### Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-27854/2  
 Matrix: Water  
 Analysis Batch: 27854

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	mg/L			06/06/25 10:05	1
Bicarbonate Alkalinity as CaCO3	ND		20	mg/L			06/06/25 10:05	1
Carbonate Alkalinity as CaCO3	ND		2.0	mg/L			06/06/25 10:05	1
Hydroxide Alkalinity as CaCO3	ND		12	mg/L			06/06/25 10:05	1

Lab Sample ID: MB 885-27854/25  
 Matrix: Water  
 Analysis Batch: 27854

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	ND		20	mg/L			06/06/25 17:11	1
Bicarbonate Alkalinity as CaCO3	ND		20	mg/L			06/06/25 17:11	1
Carbonate Alkalinity as CaCO3	ND		2.0	mg/L			06/06/25 17:11	1
Hydroxide Alkalinity as CaCO3	ND		12	mg/L			06/06/25 17:11	1

Lab Sample ID: LCS 885-27854/26  
 Matrix: Water  
 Analysis Batch: 27854

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.6		mg/L		94	90 - 110

Lab Sample ID: LCS 885-27854/3  
 Matrix: Water  
 Analysis Batch: 27854

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	78.6		mg/L		93	90 - 110

Lab Sample ID: MRL 885-27854/1  
 Matrix: Water  
 Analysis Batch: 27854

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	22.9		mg/L		108	50 - 150

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

#### Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 885-26091-5 DU  
Matrix: Water  
Analysis Batch: 27854

Client Sample ID: MW-A  
Prep Type: Total/NA

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD	Limit
	Result	Qualifier	Result	Qualifier					
Total Alkalinity as CaCO3	270		267		mg/L		0.9		20
Bicarbonate Alkalinity as CaCO3	270		267		mg/L		0.9		
Carbonate Alkalinity as CaCO3	ND		ND		mg/L		NC		
Hydroxide Alkalinity as CaCO3	ND		ND		mg/L		NC		

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## QC Association Summary

Client: Ranger Environmental Services, Inc  
Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

## GC VOA

## Analysis Batch: 27798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-1	MW-1	Total/NA	Water	8021B	
885-26091-2	MW-2	Total/NA	Water	8021B	
885-26091-3	MW-3	Total/NA	Water	8021B	
885-26091-4	MW-4	Total/NA	Water	8021B	
885-26091-5	MW-A	Total/NA	Water	8021B	
885-26091-6	Trip Blank	Total/NA	Water	8021B	
MB 885-27798/99	Method Blank	Total/NA	Water	8021B	
LCS 885-27798/98	Lab Control Sample	Total/NA	Water	8021B	

## HPLC/IC

## Analysis Batch: 27715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-1	MW-1	Total/NA	Water	300.0	
885-26091-1	MW-1	Total/NA	Water	300.0	
885-26091-3	MW-3	Total/NA	Water	300.0	
885-26091-4	MW-4	Total/NA	Water	300.0	
885-26091-4	MW-4	Total/NA	Water	300.0	
885-26091-5	MW-A	Total/NA	Water	300.0	
MB 885-27715/4	Method Blank	Total/NA	Water	300.0	
LCS 885-27715/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-27715/3	Lab Control Sample	Total/NA	Water	300.0	

## Analysis Batch: 28121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-2	MW-2	Total/NA	Water	300.0	
MB 885-28121/4	Method Blank	Total/NA	Water	300.0	
MB 885-28121/50	Method Blank	Total/NA	Water	300.0	
LCS 885-28121/5	Lab Control Sample	Total/NA	Water	300.0	
LCS 885-28121/51	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-28121/3	Lab Control Sample	Total/NA	Water	300.0	

## Metals

## Analysis Batch: 27924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-1	MW-1	Dissolved	Water	200.7 Rev 4.4	
885-26091-2	MW-2	Dissolved	Water	200.7 Rev 4.4	
885-26091-3	MW-3	Dissolved	Water	200.7 Rev 4.4	
885-26091-3	MW-3	Dissolved	Water	200.7 Rev 4.4	
885-26091-4	MW-4	Dissolved	Water	200.7 Rev 4.4	
885-26091-4	MW-4	Dissolved	Water	200.7 Rev 4.4	
885-26091-5	MW-A	Dissolved	Water	200.7 Rev 4.4	
MB 885-27924/20	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-27924/21	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-27924/17	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

## Analysis Batch: 28138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-1	MW-1	Dissolved	Water	200.7 Rev 4.4	
885-26091-2	MW-2	Dissolved	Water	200.7 Rev 4.4	
885-26091-3	MW-3	Dissolved	Water	200.7 Rev 4.4	

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## QC Association Summary

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

**Metals (Continued)****Analysis Batch: 28138 (Continued)**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-4	MW-4	Dissolved	Water	200.7 Rev 4.4	
885-26091-5	MW-A	Dissolved	Water	200.7 Rev 4.4	
MB 885-28138/17	Method Blank	Total/NA	Water	200.7 Rev 4.4	
LCS 885-28138/18	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	
MRL 885-28138/14	Lab Control Sample	Total/NA	Water	200.7 Rev 4.4	

**General Chemistry****Analysis Batch: 27853**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-1	MW-1	Total/NA	Water	2540C	
885-26091-2	MW-2	Total/NA	Water	2540C	
885-26091-3	MW-3	Total/NA	Water	2540C	
885-26091-4	MW-4	Total/NA	Water	2540C	
885-26091-5	MW-A	Total/NA	Water	2540C	
MB 885-27853/1	Method Blank	Total/NA	Water	2540C	
LCS 885-27853/2	Lab Control Sample	Total/NA	Water	2540C	

**Analysis Batch: 27854**

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-26091-1	MW-1	Total/NA	Water	SM 2320B	
885-26091-2	MW-2	Total/NA	Water	SM 2320B	
885-26091-3	MW-3	Total/NA	Water	SM 2320B	
885-26091-4	MW-4	Total/NA	Water	SM 2320B	
885-26091-5	MW-A	Total/NA	Water	SM 2320B	
MB 885-27854/2	Method Blank	Total/NA	Water	SM 2320B	
MB 885-27854/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-27854/26	Lab Control Sample	Total/NA	Water	SM 2320B	
LCS 885-27854/3	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-27854/1	Lab Control Sample	Total/NA	Water	SM 2320B	
885-26091-5 DU	MW-A	Total/NA	Water	SM 2320B	

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### Lab Chronicle

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPUSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: MW-1**

**Lab Sample ID: 885-26091-1**

Date Collected: 06/02/25 15:04

Matrix: Water

Date Received: 06/05/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	27798	RA	EET ALB	06/07/25 16:26
Total/NA	Analysis	300.0		10	27715	RC	EET ALB	06/06/25 08:32
Total/NA	Analysis	300.0		100	27715	RC	EET ALB	06/06/25 09:02
Dissolved	Analysis	200.7 Rev 4.4		1	27924	VP	EET ALB	06/09/25 15:20
Dissolved	Analysis	200.7 Rev 4.4		10	28138	VP	EET ALB	06/12/25 07:38
Total/NA	Analysis	2540C		1	27853	HR	EET ALB	06/09/25 09:46
Total/NA	Analysis	SM 2320B		1	27854	DL	EET ALB	06/06/25 16:23

**Client Sample ID: MW-2**

**Lab Sample ID: 885-26091-2**

Date Collected: 06/02/25 13:05

Matrix: Water

Date Received: 06/05/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	27798	RA	EET ALB	06/07/25 16:48
Total/NA	Analysis	300.0		10	28121	RC	EET ALB	06/12/25 11:09
Dissolved	Analysis	200.7 Rev 4.4		1	27924	VP	EET ALB	06/09/25 15:22
Dissolved	Analysis	200.7 Rev 4.4		10	28138	VP	EET ALB	06/12/25 07:40
Total/NA	Analysis	2540C		1	27853	HR	EET ALB	06/09/25 09:46
Total/NA	Analysis	SM 2320B		1	27854	DL	EET ALB	06/06/25 16:46

**Client Sample ID: MW-3**

**Lab Sample ID: 885-26091-3**

Date Collected: 06/02/25 14:22

Matrix: Water

Date Received: 06/05/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	27798	RA	EET ALB	06/07/25 17:10
Total/NA	Analysis	300.0		10	27715	RC	EET ALB	06/06/25 10:08
Dissolved	Analysis	200.7 Rev 4.4		1	27924	VP	EET ALB	06/09/25 15:24
Dissolved	Analysis	200.7 Rev 4.4		10	27924	VP	EET ALB	06/09/25 16:02
Dissolved	Analysis	200.7 Rev 4.4		10	28138	VP	EET ALB	06/12/25 07:42
Total/NA	Analysis	2540C		1	27853	HR	EET ALB	06/09/25 09:46
Total/NA	Analysis	SM 2320B		1	27854	DL	EET ALB	06/06/25 16:59

**Client Sample ID: MW-4**

**Lab Sample ID: 885-26091-4**

Date Collected: 06/02/25 13:49

Matrix: Water

Date Received: 06/05/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	27798	RA	EET ALB	06/07/25 17:32
Total/NA	Analysis	300.0		1	27715	RC	EET ALB	06/06/25 10:28
Total/NA	Analysis	300.0		20	27715	RC	EET ALB	06/06/25 10:38
Dissolved	Analysis	200.7 Rev 4.4		1	27924	VP	EET ALB	06/09/25 15:27
Dissolved	Analysis	200.7 Rev 4.4		10	27924	VP	EET ALB	06/09/25 16:10

Eurofins Albuquerque

### Lab Chronicle

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

**Client Sample ID: MW-4**

**Lab Sample ID: 885-26091-4**

Date Collected: 06/02/25 13:49

Matrix: Water

Date Received: 06/05/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Analysis	200.7 Rev 4.4		10	28138	VP	EET ALB	06/12/25 07:44
Total/NA	Analysis	2540C		1	27853	HR	EET ALB	06/09/25 09:46
Total/NA	Analysis	SM 2320B		1	27854	DL	EET ALB	06/06/25 17:26

**Client Sample ID: MW-A**

**Lab Sample ID: 885-26091-5**

Date Collected: 06/02/25 13:06

Matrix: Water

Date Received: 06/05/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	27798	RA	EET ALB	06/07/25 17:53
Total/NA	Analysis	300.0		1	27715	RC	EET ALB	06/06/25 10:47
Dissolved	Analysis	200.7 Rev 4.4		1	27924	VP	EET ALB	06/09/25 15:29
Dissolved	Analysis	200.7 Rev 4.4		10	28138	VP	EET ALB	06/12/25 07:46
Total/NA	Analysis	2540C		1	27853	HR	EET ALB	06/09/25 09:46
Total/NA	Analysis	SM 2320B		1	27854	DL	EET ALB	06/06/25 17:37

**Client Sample ID: Trip Blank**

**Lab Sample ID: 885-26091-6**

Date Collected: 06/02/25 00:00

Matrix: Water

Date Received: 06/05/25 07:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	27798	RA	EET ALB	06/07/25 18:15

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

### Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc  
Project/Site: LMPSU Trash Pit

Job ID: 885-26091-1

#### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-26-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity as CaCO3

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### Chain-of-Custody Record

Client: RANGER ENVIRONMENTAL  
 Mailing Address: Po Box 201179  
 Phone #: 512-335-1785  
 email or Fax#: 512-335-0527  
 QA/QC Package:  Standard  Level 4 (Full Validation)  
 Accreditation:  Az Compliance  NELAC  Other  
 EDD (Type)

Turn-Around Time:  Standard  Rush  
 Project Name: Lmpsn TRASH PIT  
 Project #: 6875  
 Project Manager: W. KIERDORF  
 Sampler: W. KIERDORF / J. MARTINEZ  
 On Ice:  Yes  No  
 # of Coolers: 1  
 Cooler Temp (including CF): CH0.2 = 0.3 (°C)  
 HEAL No.

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
6/2/25	1504	AR	MW-1	SEE NOTES	SEE NOTES	
6/2/25	1305	AR	MW-2			
6/2/25	1422	AR	MW-3			
6/2/25	1429	AR	MW-4 <sup>13:49 per circuit</sup>			
6/2/25	1306	AR	MW-A <sup>6:52S</sup>			
6/2/25	—	AR	TRSP BLANK	2 x HLL VIALS	MU/ICE	

Received by: [Signature] Date: 6/4/25 Time: 1115  
 Relinquished by: [Signature]  
 Received by: [Signature] Date: 6/5/25 Time: 7:45  
 Relinquished by: [Signature]



### HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com (885-26091) COC  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

#### Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	R CRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
									SEE ATTACHED LIST
									X
									X
									X
									X
									X
									X

Remarks: 3 x 99ml HLL VIALS, 1 x 500 ml PLASTIC W/PT  
1 x 125ml HNO3 PLASTIC

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



2 of 2

Please have all samples analyzed for the following constituents

Test	Method
BTEX	8021B
Anions :: including Chloride & Sulfate	300
Dissolved Metals :: including Calcium, Magnesium, Potassium, Sodium	6020B
Alkalinity :: including Bicarbonate, Carbonate, Hydroxide, Total Alkalinity	M2320B
TDS	M2540C

Ranger - LmPSU Trash Pit

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### Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-26091-1

Login Number: 26091

List Source: Eurofins Albuquerque

List Number: 1

Creator: Alderette, Joseph

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	N/A	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	





Environment Testing

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# ANALYTICAL REPORT

## PREPARED FOR

Attn: Will Kierdorf  
 Ranger Environmental Services, Inc  
 7215 McNeil Drive  
 PO BOX 201179  
 Austin, Texas 78729

Generated 12/30/2025 10:27:50 AM

## JOB DESCRIPTION

LMPSN Trash Pit

## JOB NUMBER

885-39408-1

Eurofins Albuquerque  
 4901 Hawkins NE  
 Albuquerque NM 87109



# Eurofins Albuquerque

## Job Notes

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing South Central, LLC Project Manager.

## Authorization



Generated  
12/30/2025 10:27:50 AM

Authorized for release by  
Andy Freeman, Business Unit Manager  
[andy.freeman@et.eurofinsus.com](mailto:andy.freeman@et.eurofinsus.com)  
(505)345-3975

Client: Ranger Environmental Services, Inc  
Project/Site: LMPSN Trash Pit

Laboratory Job ID: 885-39408-1



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## Definitions/Glossary

Client: Ranger Environmental Services, Inc  
Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

## Qualifiers

## HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Case Narrative

Client: Ranger Environmental Services, Inc  
Project: LMPSN Trash Pit

Job ID: 885-39408-1

**Job ID: 885-39408-1**

**Eurofins Albuquerque**

## Job Narrative 885-39408-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

### Receipt

The samples were received on 12/11/2025 7:40 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.6°C.

### GC VOA

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### Metals

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

### General Chemistry

Method 2540C\_SingleDry: The analysis volume selected for the following sample produced a base result greater than 200mg before calculation of the final result: MW-1 (885-39408-2). Reanalysis could not be performed due to holding time exceedance. The reference method specifies that no more than 200mg of weight be recovered for a chosen sample analysis volume in order to produce the best data precision. As such, these data have been qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 885-39408-1**

Date Collected: 12/08/25 00:00

Matrix: Water

Date Received: 12/11/25 07:40

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/12/25 15:20	1
Ethylbenzene	ND		1.0	ug/L			12/12/25 15:20	1
Toluene	ND		1.0	ug/L			12/12/25 15:20	1
Xylenes, Total	ND		2.0	ug/L			12/12/25 15:20	1
<hr/>								
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150				12/12/25 15:20	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: MW-1**

**Lab Sample ID: 885-39408-2**

Date Collected: 12/08/25 15:14

Matrix: Water

Date Received: 12/11/25 07:40

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/12/25 15:42	1
Ethylbenzene	ND		1.0	ug/L			12/12/25 15:42	1
Toluene	ND		1.0	ug/L			12/12/25 15:42	1
Xylenes, Total	ND		2.0	ug/L			12/12/25 15:42	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		15 - 150				12/12/25 15:42	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2200		50	mg/L			12/13/25 22:16	100
Sulfate	750		5.0	mg/L			12/13/25 22:02	10

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	200		10	mg/L		12/17/25 14:30	12/18/25 12:13	50
Magnesium	240		10	mg/L		12/17/25 14:30	12/18/25 12:13	50
Potassium	26		0.50	mg/L		12/17/25 14:30	12/18/25 12:08	1
Sodium	970		25	mg/L		12/17/25 14:30	12/18/25 12:13	50

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	4800	E	100	mg/L			12/13/25 11:29	1
Total Alkalinity as CaCO3 (SM 2320B)	600		20	mg/L			12/18/25 18:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	600		20	mg/L			12/18/25 18:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			12/18/25 18:13	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			12/18/25 18:13	1

### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSPN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: MW-2**

**Lab Sample ID: 885-39408-3**

Date Collected: 12/08/25 13:20

Matrix: Water

Date Received: 12/11/25 07:40

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/12/25 16:04	1
Ethylbenzene	ND		1.0	ug/L			12/12/25 16:04	1
Toluene	ND		1.0	ug/L			12/12/25 16:04	1
Xylenes, Total	ND		2.0	ug/L			12/12/25 16:04	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		15 - 150				12/12/25 16:04	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66		0.50	mg/L			12/13/25 22:30	1
Sulfate	120		0.50	mg/L			12/13/25 22:30	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	53		0.20	mg/L		12/17/25 17:43	12/18/25 13:02	1
Magnesium	31		0.20	mg/L		12/17/25 17:43	12/18/25 13:02	1
Potassium	6.4		0.50	mg/L		12/17/25 17:43	12/18/25 13:02	1
Sodium	110		0.50	mg/L		12/17/25 17:43	12/18/25 13:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		50	mg/L			12/13/25 17:53	1
Total Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			12/18/25 18:38	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			12/18/25 18:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			12/18/25 18:38	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			12/18/25 18:38	1

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: MW-3**

**Lab Sample ID: 885-39408-4**

Date Collected: 12/08/25 14:45

Matrix: Water

Date Received: 12/11/25 07:40

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/12/25 16:25	1
Ethylbenzene	ND		1.0	ug/L			12/12/25 16:25	1
Toluene	ND		1.0	ug/L			12/12/25 16:25	1
Xylenes, Total	ND		2.0	ug/L			12/12/25 16:25	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150				12/12/25 16:25	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	610		10	mg/L			12/13/25 23:12	20
Sulfate	340		10	mg/L			12/13/25 23:12	20

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	120		10	mg/L		12/17/25 14:30	12/18/25 12:15	50
Magnesium	100		10	mg/L		12/17/25 14:30	12/18/25 12:15	50
Potassium	13		0.50	mg/L		12/17/25 14:30	12/18/25 12:10	1
Sodium	300		25	mg/L		12/17/25 14:30	12/18/25 12:15	50

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	1600		100	mg/L			12/13/25 17:53	1
Total Alkalinity as CaCO3 (SM 2320B)	260		20	mg/L			12/18/25 18:57	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	260		20	mg/L			12/18/25 18:57	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			12/18/25 18:57	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			12/18/25 18:57	1

### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: MW-4**

**Lab Sample ID: 885-39408-5**

Date Collected: 12/08/25 14:09

Matrix: Water

Date Received: 12/11/25 07:40

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/12/25 16:47	1
Ethylbenzene	ND		1.0	ug/L			12/12/25 16:47	1
Toluene	ND		1.0	ug/L			12/12/25 16:47	1
Xylenes, Total	ND		2.0	ug/L			12/12/25 16:47	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		15 - 150				12/12/25 16:47	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	140		10	mg/L			12/14/25 00:09	20
Sulfate	160		0.50	mg/L			12/13/25 23:56	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	61		0.20	mg/L		12/17/25 14:30	12/18/25 12:19	1
Magnesium	41		0.20	mg/L		12/17/25 14:30	12/18/25 12:19	1
Potassium	8.3		0.50	mg/L		12/17/25 14:30	12/18/25 12:19	1
Sodium	140		0.50	mg/L		12/17/25 14:30	12/18/25 12:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	740		50	mg/L			12/13/25 17:53	1
Total Alkalinity as CaCO3 (SM 2320B)	250		20	mg/L			12/18/25 19:12	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	250		20	mg/L			12/18/25 19:12	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			12/18/25 19:12	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			12/18/25 19:12	1

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### Client Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: MW-A**

**Lab Sample ID: 885-39408-6**

Date Collected: 12/08/25 13:21

Matrix: Water

Date Received: 12/11/25 07:40

**Method: SW846 8021B - Volatile Organic Compounds (GC)**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.0	ug/L			12/12/25 17:09	1
Ethylbenzene	ND		1.0	ug/L			12/12/25 17:09	1
Toluene	ND		1.0	ug/L			12/12/25 17:09	1
Xylenes, Total	ND		2.0	ug/L			12/12/25 17:09	1
Surrogate	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	96		15 - 150				12/12/25 17:09	1

**Method: EPA 300.0 - Anions, Ion Chromatography**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	66		0.50	mg/L			12/14/25 00:23	1
Sulfate	120		0.50	mg/L			12/14/25 00:23	1

**Method: EPA 200.7 Rev 4.4 - Metals (ICP) - Dissolved**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	52		0.20	mg/L		12/17/25 14:30	12/18/25 12:21	1
Magnesium	30		0.20	mg/L		12/17/25 14:30	12/18/25 12:21	1
Potassium	6.3		0.50	mg/L		12/17/25 14:30	12/18/25 12:21	1
Sodium	110		0.50	mg/L		12/17/25 14:30	12/18/25 12:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C)	590		50	mg/L			12/13/25 17:53	1
Total Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			12/18/25 19:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B)	270		20	mg/L			12/18/25 19:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B)	ND		2.0	mg/L			12/18/25 19:25	1
Hydroxide Alkalinity as CaCO3 (SM 2320B)	ND		12	mg/L			12/18/25 19:25	1

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSPN Trash Pit

Job ID: 885-39408-1

#### Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 885-39871/6  
 Matrix: Water  
 Analysis Batch: 39871

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Benzene	ND		1.0	ug/L			12/12/25 13:53	1
Ethylbenzene	ND		1.0	ug/L			12/12/25 13:53	1
Toluene	ND		1.0	ug/L			12/12/25 13:53	1
Xylenes, Total	ND		2.0	ug/L			12/12/25 13:53	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	95		15 - 150		12/12/25 13:53	1

Lab Sample ID: LCS 885-39871/5  
 Matrix: Water  
 Analysis Batch: 39871

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	20.0	18.3		ug/L		91	70 - 130
m&p-Xylene	40.0	36.5		ug/L		91	70 - 130
o-Xylene	20.0	18.5		ug/L		92	70 - 130
Toluene	20.0	18.2		ug/L		91	70 - 130
Xylenes, Total	60.0	54.9		ug/L		92	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		15 - 150

Lab Sample ID: 885-39408-2 MS  
 Matrix: Water  
 Analysis Batch: 39871

Client Sample ID: MW-1  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	ND		20.0	19.2		ug/L		96	70 - 130
m&p-Xylene	ND		40.0	38.3		ug/L		96	70 - 130
o-Xylene	ND		20.0	19.5		ug/L		97	70 - 130
Toluene	ND		20.0	19.0		ug/L		95	70 - 130
Xylenes, Total	ND		60.0	57.8		ug/L		96	70 - 130

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	98		15 - 150

Lab Sample ID: 885-39408-2 MSD  
 Matrix: Water  
 Analysis Batch: 39871

Client Sample ID: MW-1  
 Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
										RPD	Limit
Benzene	ND		20.0	18.0		ug/L		90	70 - 130	6	20
Ethylbenzene	ND		20.0	18.1		ug/L		91	70 - 130	6	20
m&p-Xylene	ND		40.0	36.4		ug/L		91	70 - 130	5	20
o-Xylene	ND		20.0	18.5		ug/L		92	70 - 130	5	20
Toluene	ND		20.0	18.0		ug/L		90	70 - 130	6	20

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSPN Trash Pit

Job ID: 885-39408-1

#### Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 885-39408-2 MSD

Client Sample ID: MW-1

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 39871

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Xylenes, Total	ND		60.0	54.9		ug/L		92	70 - 130	5	20
<b>Surrogate</b>	<b>%Recovery</b>	<b>MSD Qualifier</b>	<b>MSD Limits</b>								
4-Bromofluorobenzene (Surr)	100		15 - 150								

#### Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 885-39853/4

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 39853

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	mg/L			12/13/25 13:04	1
Sulfate	ND		0.50	mg/L			12/13/25 13:04	1

Lab Sample ID: LCS 885-39853/5

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 39853

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	5.00	4.97		mg/L		99	90 - 110
Sulfate	10.0	9.83		mg/L		98	90 - 110

Lab Sample ID: MRL 885-39853/3

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 39853

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	0.500	0.510		mg/L		102	50 - 150
Sulfate	0.500	0.481	J	mg/L		96	50 - 150

#### Method: 200.7 Rev 4.4 - Metals (ICP)

Lab Sample ID: MB 860-282654/1-A

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total Recoverable

Analysis Batch: 282963

Prep Batch: 282654

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	ND		0.20	mg/L		12/17/25 14:30	12/18/25 11:06	1
Magnesium	ND		0.20	mg/L		12/17/25 14:30	12/18/25 11:06	1
Potassium	ND		0.50	mg/L		12/17/25 14:30	12/18/25 11:06	1
Sodium	ND		0.50	mg/L		12/17/25 14:30	12/18/25 11:06	1

Lab Sample ID: LCS 860-282654/2-A

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total Recoverable

Analysis Batch: 282963

Prep Batch: 282654

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Calcium	25.0	25.8		mg/L		103	85 - 115
Magnesium	25.0	25.5		mg/L		102	85 - 115

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSPN Trash Pit

Job ID: 885-39408-1

#### Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCS 860-282654/2-A

Matrix: Water

Analysis Batch: 282963

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 282654

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Potassium	10.0	9.91		mg/L		99	85 - 115
Sodium	25.0	25.2		mg/L		101	85 - 115

Lab Sample ID: LCSD 860-282654/3-A

Matrix: Water

Analysis Batch: 282963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 282654

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Calcium	25.0	25.8		mg/L		103	85 - 115	0	20
Magnesium	25.0	25.5		mg/L		102	85 - 115	0	20
Potassium	10.0	9.89		mg/L		99	85 - 115	0	20
Sodium	25.0	25.2		mg/L		101	85 - 115	0	20

Lab Sample ID: LLCS 860-282654/4-A

Matrix: Water

Analysis Batch: 282963

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 282654

Analyte	Spike Added	LLCS	LLCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Calcium	0.200	0.219		mg/L		110	50 - 150
Magnesium	0.200	0.219		mg/L		110	50 - 150
Potassium	0.500	0.496	J	mg/L		99	50 - 150
Sodium	0.500	0.511		mg/L		102	50 - 150

Lab Sample ID: MB 860-282742/1-A

Matrix: Water

Analysis Batch: 282963

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 282742

Analyte	MB MB		RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Calcium	ND		0.20	mg/L		12/17/25 17:43	12/18/25 12:41	1
Magnesium	ND		0.20	mg/L		12/17/25 17:43	12/18/25 12:41	1
Potassium	ND		0.50	mg/L		12/17/25 17:43	12/18/25 12:41	1
Sodium	ND		0.50	mg/L		12/17/25 17:43	12/18/25 12:41	1

Lab Sample ID: LCS 860-282742/2-A

Matrix: Water

Analysis Batch: 282963

Client Sample ID: Lab Control Sample

Prep Type: Total Recoverable

Prep Batch: 282742

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Calcium	25.0	26.3		mg/L		105	85 - 115
Magnesium	25.0	26.2		mg/L		105	85 - 115
Potassium	10.0	10.3		mg/L		103	85 - 115
Sodium	25.0	26.0		mg/L		104	85 - 115

Lab Sample ID: LCSD 860-282742/3-A

Matrix: Water

Analysis Batch: 282963

Client Sample ID: Lab Control Sample Dup

Prep Type: Total Recoverable

Prep Batch: 282742

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Calcium	25.0	26.3		mg/L		105	85 - 115	0	20
Magnesium	25.0	26.2		mg/L		105	85 - 115	0	20

Eurofins Albuquerque

### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

#### Method: 200.7 Rev 4.4 - Metals (ICP) (Continued)

Lab Sample ID: LCSD 860-282742/3-A  
 Matrix: Water  
 Analysis Batch: 282963

Client Sample ID: Lab Control Sample Dup  
 Prep Type: Total Recoverable  
 Prep Batch: 282742

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Potassium	10.0	10.3		mg/L		103	85 - 115	0	20
Sodium	25.0	26.1		mg/L		104	85 - 115	0	20

Lab Sample ID: LLCS 860-282742/4-A  
 Matrix: Water  
 Analysis Batch: 282963

Client Sample ID: Lab Control Sample  
 Prep Type: Total Recoverable  
 Prep Batch: 282742

Analyte	Spike Added	LLCS	LLCS	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Calcium	0.200	0.223		mg/L		112	50 - 150		
Magnesium	0.200	0.222		mg/L		111	50 - 150		
Potassium	0.500	0.507		mg/L		101	50 - 150		
Sodium	0.500	0.544		mg/L		109	50 - 150		

#### Method: 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 885-39879/1  
 Matrix: Water  
 Analysis Batch: 39879

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Total Dissolved Solids	ND		50	mg/L			12/13/25 11:29	1

Lab Sample ID: LCS 885-39879/2  
 Matrix: Water  
 Analysis Batch: 39879

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Total Dissolved Solids	1000	992		mg/L		99	80 - 120		

Lab Sample ID: MB 885-39886/1  
 Matrix: Water  
 Analysis Batch: 39886

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Total Dissolved Solids	ND		50	mg/L			12/13/25 17:53	1

Lab Sample ID: LCS 885-39886/2  
 Matrix: Water  
 Analysis Batch: 39886

Client Sample ID: Lab Control Sample  
 Prep Type: Total/NA

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec	RPD	Limit
		Result	Qualifier				Limits		
Total Dissolved Solids	1000	943		mg/L		94	80 - 120		

#### Method: SM 2320B - Alkalinity

Lab Sample ID: MB 885-40225/25  
 Matrix: Water  
 Analysis Batch: 40225

Client Sample ID: Method Blank  
 Prep Type: Total/NA

Analyte	MB	MB	RL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier						
Total Alkalinity as CaCO3	ND		20	mg/L			12/18/25 15:03	1

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### QC Sample Results

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

#### Method: SM 2320B - Alkalinity (Continued)

**Lab Sample ID: MB 885-40225/25**  
**Matrix: Water**  
**Analysis Batch: 40225**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Bicarbonate Alkalinity as CaCO3	ND		20	mg/L			12/18/25 15:03	1
Carbonate Alkalinity as CaCO3	ND		2.0	mg/L			12/18/25 15:03	1
Hydroxide Alkalinity as CaCO3	ND		12	mg/L			12/18/25 15:03	1

**Lab Sample ID: LCS 885-40225/26**  
**Matrix: Water**  
**Analysis Batch: 40225**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	84.8	79.0		mg/L		93	90 - 110

**Lab Sample ID: MRL 885-40225/2**  
**Matrix: Water**  
**Analysis Batch: 40225**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	21.2	21.2		mg/L		100	50 - 150

## QC Association Summary

Client: Ranger Environmental Services, Inc  
Project/Site: LMPSPN Trash Pit

Job ID: 885-39408-1

## GC VOA

## Analysis Batch: 39871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-1	Trip Blank	Total/NA	Water	8021B	
885-39408-2	MW-1	Total/NA	Water	8021B	
885-39408-3	MW-2	Total/NA	Water	8021B	
885-39408-4	MW-3	Total/NA	Water	8021B	
885-39408-5	MW-4	Total/NA	Water	8021B	
885-39408-6	MW-A	Total/NA	Water	8021B	
MB 885-39871/6	Method Blank	Total/NA	Water	8021B	
LCS 885-39871/5	Lab Control Sample	Total/NA	Water	8021B	
885-39408-2 MS	MW-1	Total/NA	Water	8021B	
885-39408-2 MSD	MW-1	Total/NA	Water	8021B	

## HPLC/IC

## Analysis Batch: 39853

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-2	MW-1	Total/NA	Water	300.0	
885-39408-2	MW-1	Total/NA	Water	300.0	
885-39408-3	MW-2	Total/NA	Water	300.0	
885-39408-4	MW-3	Total/NA	Water	300.0	
885-39408-5	MW-4	Total/NA	Water	300.0	
885-39408-5	MW-4	Total/NA	Water	300.0	
885-39408-6	MW-A	Total/NA	Water	300.0	
MB 885-39853/4	Method Blank	Total/NA	Water	300.0	
LCS 885-39853/5	Lab Control Sample	Total/NA	Water	300.0	
MRL 885-39853/3	Lab Control Sample	Total/NA	Water	300.0	

## Metals

## Prep Batch: 282654

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-2	MW-1	Dissolved	Water	200.7	
885-39408-4	MW-3	Dissolved	Water	200.7	
885-39408-5	MW-4	Dissolved	Water	200.7	
885-39408-6	MW-A	Dissolved	Water	200.7	
MB 860-282654/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-282654/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-282654/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-282654/4-A	Lab Control Sample	Total Recoverable	Water	200.7	

## Prep Batch: 282742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-3	MW-2	Dissolved	Water	200.7	
MB 860-282742/1-A	Method Blank	Total Recoverable	Water	200.7	
LCS 860-282742/2-A	Lab Control Sample	Total Recoverable	Water	200.7	
LCSD 860-282742/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7	
LLCS 860-282742/4-A	Lab Control Sample	Total Recoverable	Water	200.7	

## Analysis Batch: 282963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-2	MW-1	Dissolved	Water	200.7 Rev 4.4	282654
885-39408-2	MW-1	Dissolved	Water	200.7 Rev 4.4	282654
885-39408-3	MW-2	Dissolved	Water	200.7 Rev 4.4	282742

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## QC Association Summary

Client: Ranger Environmental Services, Inc  
Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

## Metals (Continued)

## Analysis Batch: 282963 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-4	MW-3	Dissolved	Water	200.7 Rev 4.4	282654
885-39408-4	MW-3	Dissolved	Water	200.7 Rev 4.4	282654
885-39408-5	MW-4	Dissolved	Water	200.7 Rev 4.4	282654
885-39408-6	MW-A	Dissolved	Water	200.7 Rev 4.4	282654
MB 860-282654/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	282654
MB 860-282742/1-A	Method Blank	Total Recoverable	Water	200.7 Rev 4.4	282742
LCS 860-282654/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	282654
LCS 860-282742/2-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	282742
LCSD 860-282654/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	282654
LCSD 860-282742/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.7 Rev 4.4	282742
LLCS 860-282654/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	282654
LLCS 860-282742/4-A	Lab Control Sample	Total Recoverable	Water	200.7 Rev 4.4	282742

## General Chemistry

## Analysis Batch: 39879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-2	MW-1	Total/NA	Water	2540C	
MB 885-39879/1	Method Blank	Total/NA	Water	2540C	
LCS 885-39879/2	Lab Control Sample	Total/NA	Water	2540C	

## Analysis Batch: 39886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-3	MW-2	Total/NA	Water	2540C	
885-39408-4	MW-3	Total/NA	Water	2540C	
885-39408-5	MW-4	Total/NA	Water	2540C	
885-39408-6	MW-A	Total/NA	Water	2540C	
MB 885-39886/1	Method Blank	Total/NA	Water	2540C	
LCS 885-39886/2	Lab Control Sample	Total/NA	Water	2540C	

## Analysis Batch: 40225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
885-39408-2	MW-1	Total/NA	Water	SM 2320B	
885-39408-3	MW-2	Total/NA	Water	SM 2320B	
885-39408-4	MW-3	Total/NA	Water	SM 2320B	
885-39408-5	MW-4	Total/NA	Water	SM 2320B	
885-39408-6	MW-A	Total/NA	Water	SM 2320B	
MB 885-40225/25	Method Blank	Total/NA	Water	SM 2320B	
LCS 885-40225/26	Lab Control Sample	Total/NA	Water	SM 2320B	
MRL 885-40225/2	Lab Control Sample	Total/NA	Water	SM 2320B	

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### Lab Chronicle

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSPN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: Trip Blank**

**Lab Sample ID: 885-39408-1**

Date Collected: 12/08/25 00:00

Matrix: Water

Date Received: 12/11/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	39871	AT	EET ALB	12/12/25 15:20

**Client Sample ID: MW-1**

**Lab Sample ID: 885-39408-2**

Date Collected: 12/08/25 15:14

Matrix: Water

Date Received: 12/11/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	39871	AT	EET ALB	12/12/25 15:42
Total/NA	Analysis	300.0		10	39853	JT	EET ALB	12/13/25 22:02
Total/NA	Analysis	300.0		100	39853	JT	EET ALB	12/13/25 22:16
Dissolved	Prep	200.7			282654	MD	EET HOU	12/17/25 14:30
Dissolved	Analysis	200.7 Rev 4.4		1	282963	JDM	EET HOU	12/18/25 12:08
Dissolved	Prep	200.7			282654	MD	EET HOU	12/17/25 14:30
Dissolved	Analysis	200.7 Rev 4.4		50	282963	JDM	EET HOU	12/18/25 12:13
Total/NA	Analysis	2540C		1	39879	DL	EET ALB	12/13/25 11:29
Total/NA	Analysis	SM 2320B		1	40225	JR	EET ALB	12/18/25 18:13

**Client Sample ID: MW-2**

**Lab Sample ID: 885-39408-3**

Date Collected: 12/08/25 13:20

Matrix: Water

Date Received: 12/11/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	39871	AT	EET ALB	12/12/25 16:04
Total/NA	Analysis	300.0		1	39853	JT	EET ALB	12/13/25 22:30
Dissolved	Prep	200.7			282742	MD	EET HOU	12/17/25 17:43
Dissolved	Analysis	200.7 Rev 4.4		1	282963	JDM	EET HOU	12/18/25 13:02
Total/NA	Analysis	2540C		1	39886	DL	EET ALB	12/13/25 17:53
Total/NA	Analysis	SM 2320B		1	40225	JR	EET ALB	12/18/25 18:38

**Client Sample ID: MW-3**

**Lab Sample ID: 885-39408-4**

Date Collected: 12/08/25 14:45

Matrix: Water

Date Received: 12/11/25 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Batch Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	39871	AT	EET ALB	12/12/25 16:25
Total/NA	Analysis	300.0		20	39853	JT	EET ALB	12/13/25 23:12
Dissolved	Prep	200.7			282654	MD	EET HOU	12/17/25 14:30
Dissolved	Analysis	200.7 Rev 4.4		1	282963	JDM	EET HOU	12/18/25 12:10
Dissolved	Prep	200.7			282654	MD	EET HOU	12/17/25 14:30
Dissolved	Analysis	200.7 Rev 4.4		50	282963	JDM	EET HOU	12/18/25 12:15
Total/NA	Analysis	2540C		1	39886	DL	EET ALB	12/13/25 17:53
Total/NA	Analysis	SM 2320B		1	40225	JR	EET ALB	12/18/25 18:57

Eurofins Albuquerque

### Lab Chronicle

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

**Client Sample ID: MW-4**

**Lab Sample ID: 885-39408-5**

**Date Collected: 12/08/25 14:09**

**Matrix: Water**

**Date Received: 12/11/25 07:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	39871	AT	EET ALB	12/12/25 16:47
Total/NA	Analysis	300.0		1	39853	JT	EET ALB	12/13/25 23:56
Total/NA	Analysis	300.0		20	39853	JT	EET ALB	12/14/25 00:09
Dissolved	Prep	200.7			282654	MD	EET HOU	12/17/25 14:30
Dissolved	Analysis	200.7 Rev 4.4		1	282963	JDM	EET HOU	12/18/25 12:19
Total/NA	Analysis	2540C		1	39886	DL	EET ALB	12/13/25 17:53
Total/NA	Analysis	SM 2320B		1	40225	JR	EET ALB	12/18/25 19:12

**Client Sample ID: MW-A**

**Lab Sample ID: 885-39408-6**

**Date Collected: 12/08/25 13:21**

**Matrix: Water**

**Date Received: 12/11/25 07:40**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8021B		1	39871	AT	EET ALB	12/12/25 17:09
Total/NA	Analysis	300.0		1	39853	JT	EET ALB	12/14/25 00:23
Dissolved	Prep	200.7			282654	MD	EET HOU	12/17/25 14:30
Dissolved	Analysis	200.7 Rev 4.4		1	282963	JDM	EET HOU	12/18/25 12:21
Total/NA	Analysis	2540C		1	39886	DL	EET ALB	12/13/25 17:53
Total/NA	Analysis	SM 2320B		1	40225	JR	EET ALB	12/18/25 19:25

**Laboratory References:**

EET ALB = Eurofins Albuquerque, 4901 Hawkins NE, Albuquerque, NM 87109, TEL (505)345-3975

EET HOU = Eurofins Houston, 4145 Greenbriar Dr, Stafford, TX 77477, TEL (281)240-4200

### Accreditation/Certification Summary

Client: Ranger Environmental Services, Inc  
 Project/Site: LMPSN Trash Pit

Job ID: 885-39408-1

#### Laboratory: Eurofins Albuquerque

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	NM100001	02-25-26
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
SM 2320B		Water	Bicarbonate Alkalinity as CaCO3
SM 2320B		Water	Carbonate Alkalinity as CaCO3
SM 2320B		Water	Hydroxide Alkalinity as CaCO3

#### Laboratory: Eurofins Houston

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	88-00759	08-05-26
Florida	NELAP	E871002	06-30-26
Louisiana (All)	NELAP	03054	06-30-26
New Mexico	State	TX00122	06-30-26
Oklahoma	NELAP	1306	12-31-25
Texas	NELAP	T104704215	06-30-26
Texas	TCEQ Water Supply	T104704215	11-24-28
USDA	US Federal Programs	525-23-79-79507	03-20-26

1022

### Chain-of-Custody Record

Client: RANGER ENV.

Mailing Address: PO BOX 201179  
AUSTIN TX 78720

Phone #: 512-335-1785

email or Fax#: WILL@RANGEREV.EM

QA/QC Package:  Standard  Level 4 (Full Validation)

Accreditation:  AZ Compliance  Other

NELAC  Other

EDD (Type) EXCEL

Turn-Around Time:  Standard  Rush

Project Name: LMPSN TRASH PIT

Project #: 6875

Project Manager: M. KERRON

Sampler:  Yes  No yes

# of Coolers: 1

Cooler Temp (including CP): 24 + 22 = 2.6 (°C)

Container Type and #

Preservative Type

HEAL No.

2 x 12L VOAS MULTI

SEE NOTES ICE/MULTI

Date	Time	Matrix	Sample Name
<u>12/10/25</u>	<u>1514</u>	<u>AR</u>	<u>TRIP BANK</u>
	<u>1320</u>	<u>AR</u>	<u>MW-1</u>
	<u>1445</u>	<u>AR</u>	<u>MW-2</u>
	<u>1409</u>	<u>AR</u>	<u>MW-3</u>
	<u>1321</u>	<u>AR</u>	<u>MW-4</u>
			<u>MW-A</u>

Received by: [Signature] Date: 12/10/25 Time: 1130

Relinquished by: [Signature] Date: 12/11/25 Time: 1900

Received by: [Signature] Date: 12/10/25 Time: 1130

Received by: [Signature] Date: 12/11/25 Time: 7:40

### HALL ENVIRONMENTAL ANALYSIS LABORATORY



www.hallenvironmental.com  
4901 Hawkins NE - Albuquerque, NM 87108  
Tel. 505-345-3975 Fax 505-345-4107

#### Analysis Request

BTEX / MTBE / TMBs (8021)	
TPH:8015D(GRO / DRO / MRO)	
8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	<u>X</u>
SEE ATTACHED LIST	

Remarks: \* PLEASE BEL TO RANGER ENV  
BOTTLE SET: 1x 500 ml PLASTIC WMP  
1x 250 ml PLASTIC WMP  
3 x 12L VOAS

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Please have all samples analyzed for the following constituents

Test	Method
BTEX	8021B
Anions :: including Chloride & Sulfate	300
Dissolved Metals :: including Calcium, Magnesium, Potassium, Sodium	6020B
Alkalinity :: including Bicarbonate, Carbonate, Hydroxide, Total Alkalinity	M2320B
TDS	M2540C

Ranger - LmPSU Trash Pit

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11

### Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-39408-1

Login Number: 39408

List Source: Eurofins Albuquerque

List Number: 1

Creator: Casarrubias, Tracy

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
TCEQ Mtd 1005 soil sample was frozen/delivered for prep within 48H of sampling.	N/A	



### Login Sample Receipt Checklist

Client: Ranger Environmental Services, Inc

Job Number: 885-39408-1

**Login Number: 39408**

**List Number: 2**

**Creator: Jimenez, Nicanor**

**List Source: Eurofins Houston**

**List Creation: 12/15/25 02:11 PM**

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	



## **ATTACHMENT 3 – NMOCD CORRESPONDENCE**

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**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>  
**Sent:** Tuesday, August 12, 2025 3:16 PM  
**To:** Ty Thompson <[ty.thompson@teamoperating.com](mailto:ty.thompson@teamoperating.com)>  
**Subject:** The Oil Conservation Division (OCD) has approved the application, Application ID: 447410

To whom it may concern (c/o Ty Thompson for TEAM OPERATING, L.L.C.),

The OCD has approved the submitted *Ground Water Abatement* (GROUND WATER ABATEMENT), for incident ID (n#) nTO1427254875, with the following conditions:

- **Provide groundwater samples from all 4 monitor wells for constituents listed under 20.6.2.3103 NMAC**
- **Fully delineate extent of the contamination plume.**

The signed GROUND WATER ABATEMENT can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,  
Shanna Smith  
Environmental Specialist  
575-263-4507  
[Shanna.Smith@emnrd.nm.gov](mailto:Shanna.Smith@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505



**OCDOnline@state.nm.us** <OCDOnline@state.nm.us>  
to Ty Thompson ▾

Fri, May 23, 4:31PM (4 days ago)

To whom it may concern (c/o Ty Thompson for TEAM OPERATING, L.L.C.),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nTO1427254875.

The sampling event is expected to take place:

**When:** 06/02/2025 @ 12:00

**Where:** O-27-22S-37E 0 FNL 0 FEL (32.35788,-103.14724)

**Additional Information:** Will Kierdorf 512-335-1785

**Additional Instructions:** The Langlie Mattix Penrose Sand Unit Trash Pit ("subject site") is a historic oil and gas location

situated approximately 5.5 miles south-southeast of Eunice, in Lea County, New Mexico. The Site is situated in Unit O, Section 27, Township 22 South, Range 27 East, at approximate GPS coordinates 32.357998, -103.147318.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

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**From:** [OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us) <[OCDOnline@state.nm.us](mailto:OCDOnline@state.nm.us)>  
**Sent:** Tuesday, December 2, 2025 8:24 AM  
**To:** Ty Thompson <[ty.thompson@teamoperating.com](mailto:ty.thompson@teamoperating.com)>  
**Subject:** The Oil Conservation Division (OCD) has accepted the application, Application ID: 531027

To whom it may concern (c/o Ty Thompson for TEAM OPERATING, L.L.C.),

The OCD has received the submitted *Notification for (Final) Sampling of a Release (C-141N)*, for incident ID (n#) nTO1427254875.

The sampling event is expected to take place:

**When:** 12/08/2025 @ 13:00

**Where:** O-27-22S-37E 0 FNL 0 FEL (32.35788,-103.14724)

**Additional Information:** Will Kierdorf 512-335-1785

**Additional Instructions:** The Langlie Mattix Penrose Sand Unit Trash Pit ("subject site") is a historic oil and gas location situated approximately 5.5 miles south-southeast of Eunice, in Lea County, New Mexico. The Site is situated in Unit O, Section 27, Township 22 South, Range 27 East, at approximate GPS coordinates 32.357998, -103.147318.

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.
- If confirmation sampling is going to take place over multiple days, individual C-141N applications must be submitted for each sampling date. Date ranges are not currently accepted on the C-141N application.

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 566582

**CONDITIONS**

Operator: Texian Operating Company, LLC 8505 Freeport Parkway Irving, TX 75063	OGRID: 333122
	Action Number: 566582
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

**CONDITIONS**

Created By	Condition	Condition Date
owen.sitler	1) Site delineation is incomplete. Fully delineate groundwater contamination within 60 days (no later than July 24, 2026)	4/28/2026
owen.sitler	2) Continue semi-annual groundwater monitoring through 2026 as prescribed	4/28/2026
owen.sitler	3) Submit a revised remediation plan, which includes completed groundwater delineation, within 90 days (no later than Sept. 4, 2026)	4/28/2026
owen.sitler	4) Submit the 2026 Annual Groundwater Monitoring Report to OCD no later than April 2, 2027	4/28/2026