



REVIEWED

By Mike Buchanan at 2:48 pm, Sep 20, 2024

ANNUAL GROUNDWATER MONITORING REPORT

INEX PIT (AP-24)
INCIDENT NO. NAUTOFAB000275
UNIT G, SECTION 26, TOWNSHIP 18S, RANGE 26E
EDDY COUNTY, NEW MEXICO
32.723633, -104.348046
RANGER REFERENCE NO. 5375

Review of the Inex Pit (AP-24) Annual Groundwater Monitoring Report: accepted for the record and the Inex Pit is currently under review; a meeting with EOG is in the process of being schedule to discuss path forward for a proposed work plan.

PREPARED FOR:

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PREPARED BY:

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FEBRUARY 23, 2024

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TABLE OF CONTENTS

1.0 SITE LOCATION AND BACKGROUND 1

2.0 SITE CHRONOLOGY 2

 2.1 Yates Acquisition and Pit Closure (1997 – 2000) 2

 2.2 Additional Assessment Activities and Stage I & II Abatement Plans (2000 – 2005)..... 2

 2.3 2020 SESI Soil Investigation 4

 2.4 Groundwater Monitoring (2005 through 2022) 4

3.0 GROUNDWATER MONITORING (2023) 6

 3.1 Groundwater Monitoring Methodologies..... 6

 3.2 2023 Groundwater Monitoring Results Summary..... 7

4.0 CURRENT SITE COMMUNICATIONS AND CORRESPONDENCE 8

5.0 REGULATORY GUIDANCE REQUEST 9

6.0 RECOMMENDATIONS..... 9

FIGURES

- Topographic Map
- Area Map
- Site Map
- Groundwater Gradient Maps
- Groundwater Gradient Maps (Without MW-4 Data)
- Groundwater TDS, Chloride, and Sulfate Isoconcentration Maps

TABLES

- Current Event Well Gauging Data
- Current Event Groundwater EPA Method 300.0: Anions
- Current Event Groundwater Dissolved Metals (Table 1 of 2)
- Current Event Groundwater Dissolved Metals (Table 2 of 2)
- Current Event Groundwater TPH and VOC Data Summary
- Current Event Groundwater Specific Conductance, pH, Alkalinity, and TDS
- Cumulative Well Gauging Data
- Cumulative Groundwater EPA Method 300.0: Anions
- Cumulative Groundwater Dissolved Metals (Table 1 of 2)
- Cumulative Groundwater Dissolved Metals (Table 2 of 2)
- Cumulative Groundwater TPH and VOC Data Summary
- Cumulative Groundwater Specific Conductance, pH, Alkalinity, and TDS

ATTACHMENTS

- Attachment 1 – Site Photographs
- Attachment 2 – Laboratory Analytical Report
- Attachment 3 – NMOCD Correspondence



**ANNUAL GROUNDWATER MONITORING REPORT
INEX PIT (AP-24)
INCIDENT NO. NAUTOFAB000275
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EDDY COUNTY, NEW MEXICO
32.723633, -104.348046
RANGER REFERENCE NO. 5375**

1.0 SITE LOCATION AND BACKGROUND

The Inex Pit (Site) is a historic oil and gas production pit formerly located at the Inex Battery facility, an oil and gas production facility located on private land, approximately 8.68 miles south-southwest of Artesia, within Eddy County, New Mexico. The facility is situated in Unit G, Section 26, T18S-R26E at GPS coordinates 32.723633, -104.348046. The Inex Battery is currently active and is being operated by Silverback Operating II (Silverback). Based on the site history and transaction history, EOG Resources, Inc. (EOG) maintains environmental responsibility for the impacts to native media at the Site.

The Inex Battery was historically operated by H&S Oil Company (H&S) and the associated unlined Inex Pit was formerly utilized by H&S as an oil and gas fluid storage/impoundment facility. In 1997, Yates Petroleum Corporation (Yates) acquired the Inex Battery and pit from H&S. While operated by Yates, the Inex Pit underwent closure and the assessment of the former pit location was initiated. The pit closure and assessment activities completed by Yates documented impacts to the native media. Due to the documented conditions at the Site, coordination with the New Mexico Oil and Gas Division (NMOCD) was initiated. In September 2016, EOG acquired Yates and its associated assets including the Inex Battery and subject Inex Pit.

Communication and coordination between the NMOCD and Yates continued until 2005 when a Stage I & II Abatement Plan was submitted to the NMOCD. Based on available information, no response was ever received from the NMOCD regarding this plan. Between 2005-2022, fifteen (15) groundwater monitoring events were conducted at the Site.

EOG has engaged Ranger Environmental Services, LLC (Ranger) to assist in the continuation of the assessment and remediation efforts at the Site as well as to re-establish communications with the NMOCD regarding the Site. In May 2023, Ranger personnel established communications with the NMOCD, and began discussion of the Site with Mr. Nelson Velez of the NMOCD including the steps needed to bring the Site into compliance with the current regulatory criteria and New Mexico Administrative Code (NMAC). Based on Ranger's communications with the NMOCD, on August 9, 2023, a comprehensive *Site Chronology and Status Update* report was submitted to the NMOCD to provide the NMOCD with a summary of the Site history and the cumulative soil and groundwater data so that a regulatory path forward can be established.

To date, no response has been received from the NMOCD with regard to the *Site Chronology and Status Update* report submitted to the NMOCD in August 2023. On November 16, 2023, Ranger was informed by Mr. Nelson Velez of the NMOCD that Mr. Mike Buchanan of the NMOCD would be assuming responsibility for the oversight of the project.

Based upon the above, groundwater monitoring activities were continued at the subject site in 2023, with an annual groundwater monitoring event completed in November 2023. This report has been prepared to document the completion of the 2023 site groundwater monitoring activities.

A *Topographic Map* and *Area Map* noting the location of the subject Site and surrounding areas are attached. A *Site Map* depicting the pertinent site features is also attached.

2.0 SITE CHRONOLOGY

Below is a chronology of the activities undertaken at the Site to date. The information presented below is derived from the proposals, work plans, and other correspondence available to Ranger. All information presented in this section is available via the NMOCD online imaging portal (<https://ocdimage.emnrd.nm.gov/imaging/>).

2.1 Yates Acquisition and Pit Closure (1997 – 2000)

As previously stated, Yates acquired the Inex Battery and subject Inex Pit from H&S in 1997. At the time of the acquisition, the subject pit remained open and was noted to have dimensions of approximately 40 feet by 40 feet and was noted to be of earthen construction with no liner present. Under Yates' direction, an undated "*Pit Closure*" proposal was submitted to the NMOCD. In June 1998, the NMOCD approved of the proposed closure activities, with conditions of approval that included the vertical delineation of the soil conditions at the Site and directives for sample analysis.

On May 20, 1998, Bioremediation Contractors & Consultants, Inc. (BCC) initiated closure of the pit. The activities completed by BCC included the removal of bird netting, debris, and fluids within the pit location. The pit was then ripped, tilled, sprayed with a BCC microbial product, treated with nutrients, and was then managed to assist in the bioremedial process. Soil samples were collected in September 1999 and January 2000 and the pit was subsequently backfilled.

In February 2000, a BCC closure report/request was submitted to the NMOCD. In August 2000, the NMOCD denied the closure request citing lack of pertinent closure details, inadequate soil sampling, and lack of soil chloride analyses.

2.2 Additional Assessment Activities and Stage I & II Abatement Plans (2000 – 2005)

In October 2000, Yates contracted Environmental Technology Group, Inc. (ETGI) to perform additional soil delineation activities at the Site. On October 19, 2000, ETGI and a drilling subcontractor installed three soil borings at the Site (SB's 1-3) and collected multiple soil samples and a groundwater sample (from boring SB-1) for laboratory analysis. Elevated total petroleum hydrocarbon (TPH) concentrations were documented to be present in the soil boring SB-1 soils. Elevated soil chloride concentrations were documented to be present in all three soil borings.

The soil boring SB-1 groundwater sample was noted to contain elevated benzene and chloride concentrations. However, since this was an open soil boring subject to sloughing effects from overlying soils, these results may or may not have been representative of the actual groundwater quality.

The findings of the October 2000 site assessment activities were documented in the ETGI-prepared *Preliminary Site Investigation Report* dated November 2000. In December 2000, Yates submitted the ETGI report and previous BCC report to the NMOCD and petitioned for closure of the Site. On March 7, 2001, the NMOCD denied site closure due to the fact that the groundwater underlying the site appeared to have been impacted by benzene and chloride in excess of the New Mexico Water Quality Commission (WQCC) standards. The NMOCD directed that an abatement plan for the site be prepared and submitted to the NMOCD.

In July 2001, a *Stage 1 Abatement Plan Proposal* prepared by Harding ESE (Harding) was submitted to the NMOCD. The proposal included provisions for the installation and sampling of three soil borings and the conversion of the soil borings into permanent monitor wells to allow for the collection of representative groundwater samples for laboratory analysis. On September 25, 2001, the NMOCD responded to the proposal with the statement that the plans were “*administratively complete*” and that prior to the NMOCD review of the proposed activities public notification was to be completed.

On October 19, 2001, Yates submitted documentation of the required public notification to the NMOCD with the request that the Harding-prepared *Stage 1 Abatement Plan Proposal* be reviewed. On February 1, 2002, the NMOCD granted approval of the proposed activities with conditions of approval including the requirement that a Stage I Investigation report be submitted to the NMOCD by April 1, 2002. Due to various reasons, including the transfer of the project from Harding back to ETGI, multiple project timeline extension requests were submitted and approved by the NMOCD.

A June 2003 ETGI-prepared *Preliminary Site Investigation Report*, documenting the installation and sampling of four monitor wells, was subsequently submitted to the NMOCD. The information provided in the report confirmed that impacts to soil and groundwater were present at the Site. Elevated soil chloride concentrations were documented in the monitor well MW-1, MW-3 and MW-4 soils. Elevated soil TPH and BTEX concentrations were also documented in the MW-4 soils. Monitor well MW-4 had been installed within the footprint of the former pit location. Groundwater samples collected from the monitor wells documented the presence of elevated chloride, sulfate and total dissolved solids (TDS) concentrations at the Site.

Based on the information presented in the June 2003 ETGI report, the NMOCD issued a response dated October 6, 2004. The NMOCD response stated that the extent of the groundwater impacts at the Site had not been delineated and requested that a groundwater delineation work plan be submitted by December 31, 2004. Prior to the submittal of the NMOCD-directed plan, ETGI was replaced by Safety & Environmental Solutions, Inc. (SESI) who had been retained by Yates to conduct the further site investigative activities. During the transfer of the project from ETGI to SESI, a 45-day extension request was submitted and approved by the NMOCD to allow for the project transition.

In February 2005, an SESI-prepared *Amended Stage 1 Abatement Plan Proposal*, dated February 15, 2005, was submitted to the NMOCD. The amended plan included SESI’s review of the previously collected Site data and conditions and proposed additional site investigation activities. The proposed site activities included the resurveying of the existing monitor wells and the installation of monitor wells both upgradient and downgradient of the historic pit location. The plan also proposed the plugging of monitor well MW-4 located within the footprint of the historic pit. SESI detailed the difference in water levels in MW-4 as compared to the other three monitor wells, and the concern that the well was acting as a pathway for the vertical migration of contaminants. SESI also raised the possibility of an outside source of contamination affecting

monitor well MW-3. The cover letter submitted with the plan stated that while the plan was under review groundwater monitoring activities would be conducted on a quarterly basis.

On July 18, 2005, the NMOCD responded to SESI's *Amended Stage 1 Abatement Plan Proposal* and denied the proposed activities. The NMOCD response cited a lack of adequate characterization of the impacts at the Site, and insufficient proposed delineation locations. The NMOCD did not concur with SESI's speculation regarding a possible additional contaminant source at the site and denied SESI's request to plug monitor well MW-4. The NMOCD requested submittal of a revised Stage 1 Abatement Plan by August 19, 2005.

As requested by the NMOCD, an *Amended Stage 1 Abatement Plan Proposal*, prepared by SESI and dated August 19, 2005, was subsequently submitted to the NMOCD. The updated plan revisited the information presented in the February 15, 2005 version and proposed additional site activities to address the NMOCD concerns and requests. The plan proposed four soil borings, with the possibility for additional borings, to be installed within the former pit area to assist in the characterization/delineation of the soil impacts. The plan also included provisions for the installation of a minimum of two additional monitor wells. SESI revisited the possibility of an alternative source of contamination at the Site (other than the former pit) and included basic details of potential additional monitor wells which they believed might assist in further evaluating this possibility. Additional proposed activities included the determination of hydraulic conductivity and transmissivity via groundwater slug tests and the continued monitoring and sampling of the Site monitor wells.

Based on available information, it does not appear that the NMOCD ever replied to SESI's August 19, 2005 *Amended Stage 1 Abatement Plan Proposal*. The final correspondence available via the NMOCD online resources is noted to be a cover letter that appears to have been submitted with the August 19, 2005 amended plan. EOG also conducted an internal review of the project files transferred to them by Yates and an NMOCD response to the August 19, 2005 plan was not discovered.

2.3 2020 SESI Soil Investigation

In August 2020, additional soil investigation activities were completed at the Site by SESI. SESI installed a total of 15 test excavations and submitted a total of 21 soil samples to the laboratory for analysis. The test excavations were installed to depths ranging from 4' to 8' bgs. SESI's August 2020 soil investigation activities documented exceedances of the 19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW \leq 50') for both TPH and chloride. Six soil samples (from sampling locations P-4, P-8 and P-11) were found to exceed the target TPH criteria. The extent of the TPH exceedances at these locations was not defined. Seven soil samples (from sampling locations P-4, P-5, P-8 and SP-2) were found to exceed the target chloride criteria. The extent of the chloride exceedances at sampling locations P-4, P-5 and SP-2 was not defined. Details of this investigation were provided in the *Site Chronology and Status Update* report submitted to the NMOCD in August 2023.

2.4 Groundwater Monitoring (2005 through 2022)

During the 2005 through 2022 timeframe, a total of 15 groundwater monitoring events were conducted at the Site. The site monitoring wells were gauged and sampled during each event. No light nonaqueous phase liquid (LNAPL) was found to be present at the site; however, exceedances of the New Mexico WQCC standards were documented in the groundwater. The

groundwater analytical data primarily documented the presence of elevated chloride, sulfate and TDS concentrations, as well as less frequent detections of other constituents of concern. Below is a brief summary of the groundwater monitoring results through 2022.

Well Gauging (2005 through 2022)

No LNAPL was documented to be present in the site monitoring wells. The depth to groundwater in the site monitoring wells was documented to range from a minimum of approximately 40.59' below ground surface (bgs) in MW-4 to a maximum of approximately 51.41' bgs in MW-3. The site groundwater gradient and flow direction was documented to be variable with gradients ranging from approximately 0.001 – 0.03 ft/ft and groundwater flow directions primarily to the southeast, south and southwest, or in a radial direction away from monitor well MW-4. On approximately 25 percent of the gauging dates, the flow was documented to be in a general northwesterly direction.

The elevated MW-4 groundwater levels (and the associated radial groundwater flow away from MW-4) were anomalous compared to the groundwater levels in the other site monitoring wells. This issue was discussed in prior site reports including the August 2005 *Amended Stage 1 Abatement Plan*. The cause of the anomalous water levels in MW-4 is unknown but could potentially be due to factors such as well completion, groundwater mounding beneath the pit area, survey error, etc. The site groundwater gradient and flow direction outside of the former pit area was documented to range from approximately 0.01 to 0.001 ft/ft predominantly to the south-southeast with less common groundwater flow to the northwest.

Groundwater Anions (2005 through 2022)

Concentrations of chloride and sulfate above the NMAC 20.6.2.3103 criteria were documented in all four site monitoring wells. Concentrations of fluoride above the NMAC 20.6.2.3103 criteria were documented on one sampling occasion in both MW-3 and MW-4. The sample collected from MW-3 on December 6, 2012 and the sample collected from MW-4 on March 21, 2019 were documented to contain fluoride concentrations in exceedance of the applicable 1.6 mg/L criteria. A potential exceedance of the 20.6.2.3103 criteria for nitrate was documented on one sampling occasion (April 19, 2018) in MW-3.

Dissolved Metals (2005 through 2022)

Based upon available information, groundwater dissolved metals analyses were initiated at the site during the March 2012 sampling event. Elevated dissolved metals were subsequently documented in monitor wells MW-3 and MW-4. Exceedances of the NMAC 20.6.2.3103 criteria for arsenic, beryllium, iron, manganese, selenium and/or silver were documented on at least one sampling occasion in either or both MW-3 and MW-4. Of all these metals, manganese in MW-3 was the most consistently detected metal that was found to exceed the NMAC 20.6.2.3103 criteria.

TPH and VOCs (2005 through 2022)

The October 19, 2000 soil boring SB-1 groundwater sample was noted to contain elevated benzene and chloride concentrations. However, since this was an open soil boring subject to sloughing effects from overlying soils, these results were questionable as to whether they were representative of the actual groundwater quality. The groundwater analytical results for the permanent site monitoring wells did not contain any exceedances of the NMAC 20.6.2.3103

criteria. These results are considered valid since the permanent monitor wells were properly completed, developed and sampled.

Specific Conductance, pH, Alkalinity, and TDS (2005 through 2022)

Elevated TDS concentrations were documented in all samples collected from the four monitor wells at the site.

3.0 GROUNDWATER MONITORING (2023)

On November 28, 2023, an annual groundwater monitoring event was conducted at the Site. The site monitoring wells were gauged and sampled. A supplemental well gauging event was also conducted on December 4, 2023.

Ranger has compiled and attached both current (2023) and cumulative tables of the Site well gauging and groundwater analytical data. Also attached are November 2023 isoconcentration maps for the primary groundwater constituents of concern at the Site (chloride, sulfate and TDS), as well as a copy of the laboratory analytical report for the November 2023 annual groundwater sampling event. Below is a summary of the 2023 annual groundwater monitoring activities and results.

3.1 Groundwater Monitoring 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 LNAPL thicknesses, if any. This data was utilized to determine the site groundwater flow direction and gradient.

Groundwater samples were subsequently 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%

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.

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 of sample collection, samplers' initials, and time sampled collected. Chain-of-custody forms were completed to document sample transport to the analytical laboratory. The groundwater samples were subsequently analyzed for the following:

- **EPA Method 200.8:** Antimony, arsenic, lead, selenium, thallium and uranium
- **EPA Method 300.0:** Fluoride, chloride, bromide, phosphorus, orthophosphate (as P), sulfate, and nitrate+nitrite as N.
- **SM2510B:** Conductivity
- **SM2320B:** Bicarbonate (as CaCO₃), carbonate (as CaCO₃), and total alkalinity (as CaCO₃)
- **SM2540C MOD:** Total dissolved solids
- **SM4500-H+B / 9040C:** pH
- **EPA METHOD 200.7:** Aluminum, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, iron, magnesium, manganese, molybdenum, nickel, potassium, silver, sodium, and zinc
- **EPA METHOD 8260B:** Benzene, toluene, ethylbenzene, and total xylenes (BTEX); naphthalene, 1-methylnaphthalene and 2-methylnaphthalene

A trip blank was included in the sampling cooler to assess the potential cross-contamination of field samples during shipment to, and storage in, the laboratory. The trip blank was analyzed for BTEX, naphthalene, 1-methylnaphthalene and 2-methylnaphthalene using Method 8260. All trip blank results were non-detectable. A temperature blank was also included in the sample shipping container. The temperature blank was received by the laboratory at a temperature below 6°C.

All purge water generated during the well purging process was placed in a sealed and labeled 55-gallon drum and was temporarily stored on-site pending off-site disposal.

3.2 2023 Groundwater Monitoring Results Summary

Well Gauging Results

No LNAPL was documented to be present in the site monitoring wells. The depth to groundwater in the site monitoring wells was documented to range from approximately 50.72' below ground surface (bgs) in MW-4 to a maximum of approximately 52.19' bgs in MW-3. As illustrated on the attached groundwater gradient maps, the November 28, 2023 site groundwater gradient and flow direction was documented to be approximately 0.003 ft/ft predominantly to the northwest. The December 4, 2023 site groundwater gradient and flow direction was documented to be approximately 0.01 ft/ft predominantly to the southeast. Both of these groundwater flow directions are consistent with the historical well gauging results.

As discussed in the *Site Chronology and Status Update* report that was submitted to the NMOCD in August 2023, and prior site reports including the August 2005 *Amended Stage 1 Abatement Plan*, the MW-4 groundwater levels have historically been somewhat anomalous compared to the groundwater levels in the other site monitoring wells located outside of the former pit area. During the 2023 well gauging events, the MW-4 gauging results seemed to reasonably comport with the gauging data from the remainder of the site monitor wells. For comparison purposes, the attached groundwater gradient maps for the two 2023 gauging dates were prepared both with, and without, the MW-4 gauging data.

Groundwater Analytical Results

- *Groundwater Anions:* Concentrations of chloride and sulfate above the NMAC 20.6.2.3103 criteria were documented in all four site monitoring wells.
- *Dissolved Metals:* Exceedances of the NMAC 20.6.2.3103 criteria for arsenic were documented in monitor wells MW-1, MW-3 and MW-4.
- *VOCs:* There were no groundwater VOC exceedances of the NMAC 20.6.2.3103 criteria.
- *Specific Conductance, pH, Alkalinity, and TDS:* Elevated TDS concentrations were documented in all four monitor wells at the site.

In summary, the 2023 well gauging and groundwater analytical data were generally consistent with historic results and are indicative of a stable conditions. Monitoring well MW-3, located to the south of the former pit continues to exhibit the most elevated concentrations at the site. In the August 2005 *Amended Stage 1 Abatement Plan*, it was noted that the source of the highly elevated chlorides in monitor well MW-3 was unknown and that it was unclear whether they derived from the subject pit.

Ranger concurs that, based upon the available data, it is presently unclear whether the former pit is the source of the site groundwater impact or whether the groundwater in the pit area has been affected by an unrelated release source. If the former pit were the source of the groundwater impact, then it would generally be anticipated that groundwater COC levels would decrease away from the pit rather than increase away from the pit. Further investigation is needed to determine whether or not the former pit is the source for the site groundwater impact, or whether the pit area has been affected by an unrelated and unknown historic release.

4.0 CURRENT SITE COMMUNICATIONS AND CORRESPONDENCE

In 2023, EOG engaged Ranger to assist in the continuation of the assessment and remediation efforts at the Site, as well as to re-establish communications with the NMOCD regarding the Site. In May 2023, Ranger personnel established communications with the NMOCD, and began discussion of the Site with Mr. Nelson Velez of the NMOCD including the steps needed to bring the Site into compliance with the current regulatory criteria and New Mexico Administrative Code (NMAC). The call included a review of the Site history, the presentation of data collected since 2005, review of the current status of the Site, and a discussion of the appropriate regulatory path forward.

Based on Ranger's communications with Mr. Velez of the NMOCD, on August 9, 2023, a comprehensive *Site Chronology and Status Update* report was submitted to the NMOCD to provide the NMOCD with a summary of the Site history and the cumulative soil and groundwater data so that a regulatory path forward can be established. Additional directives included the completion of a fourth quarter groundwater monitoring report and the preparation of an annual report to be submitted by April 1, 2024. To date, no response has been received from the NMOCD with regard to the *Site Chronology and Status Update* report. On November 16, 2023, Ranger was informed by Mr. Nelson Velez of the NMOCD that Mr. Mike Buchanan of the NMOCD would be assuming responsibility for the oversight of the project.



Based upon the above, groundwater monitoring activities were continued at the subject site in 2023, with an annual groundwater monitoring event completed in November 2023. On November 21, 2023, EOG provided notice to the NMOCD of the planned annual groundwater monitoring event to be conducted on November 28, 2023. A copy of this notification is attached. No NMOCD representatives were present on the day of sampling.

5.0 REGULATORY GUIDANCE REQUEST

In the *Site Chronology and Status Update* report submitted to the NMOCD in August 2023, EOG requested NMOCD guidance regarding the appropriate regulatory reporting/proposal format that will be required for the next phase of site activities.

6.0 RECOMMENDATIONS

- To enable a determination of the appropriate regulatory framework for the subject site, further release determination investigative activities, including the installation and sampling of additional monitor wells, is needed to confirm whether or not the pit is the source of the area groundwater impact. If the pit is not the source for the area groundwater impact, then this would change the regulatory requirements for the subject site leaving only the soil impacts to address.
- Upon NMOCD determination of the appropriate regulatory mechanism and reporting format for the next phase of site work, Ranger will prepare a detailed work plan for NMOCD review.
- Until such time that the NMOCD provides the requested project guidance and direction, EOG will initiate quarterly groundwater monitoring activities beginning in the second quarter of 2024. Based upon the cumulative site groundwater monitoring results, which have documented general stable conditions, Ranger recommends that the site chemicals of concern (COCs) for future groundwater monitoring events be reduced to the following constituents which have been detected in exceedance of the NMAC 20.6.2.3103 criteria on at least one or more occasions:
 - Arsenic
 - Beryllium
 - Chloride
 - Fluoride
 - Iron
 - Manganese
 - Nitrate
 - Nitrite
 - Selenium
 - Silver
 - Sulfate
 - Total Dissolved Solids

Upon NMOCD review of this report and the *Site Chronology and Status Update* report submitted to the NMOCD in August 2023, the above-recommended subset of the site groundwater monitoring COCs will be modified if requested by the NMOCD.



FIGURES

FIGURES

Topographic Map

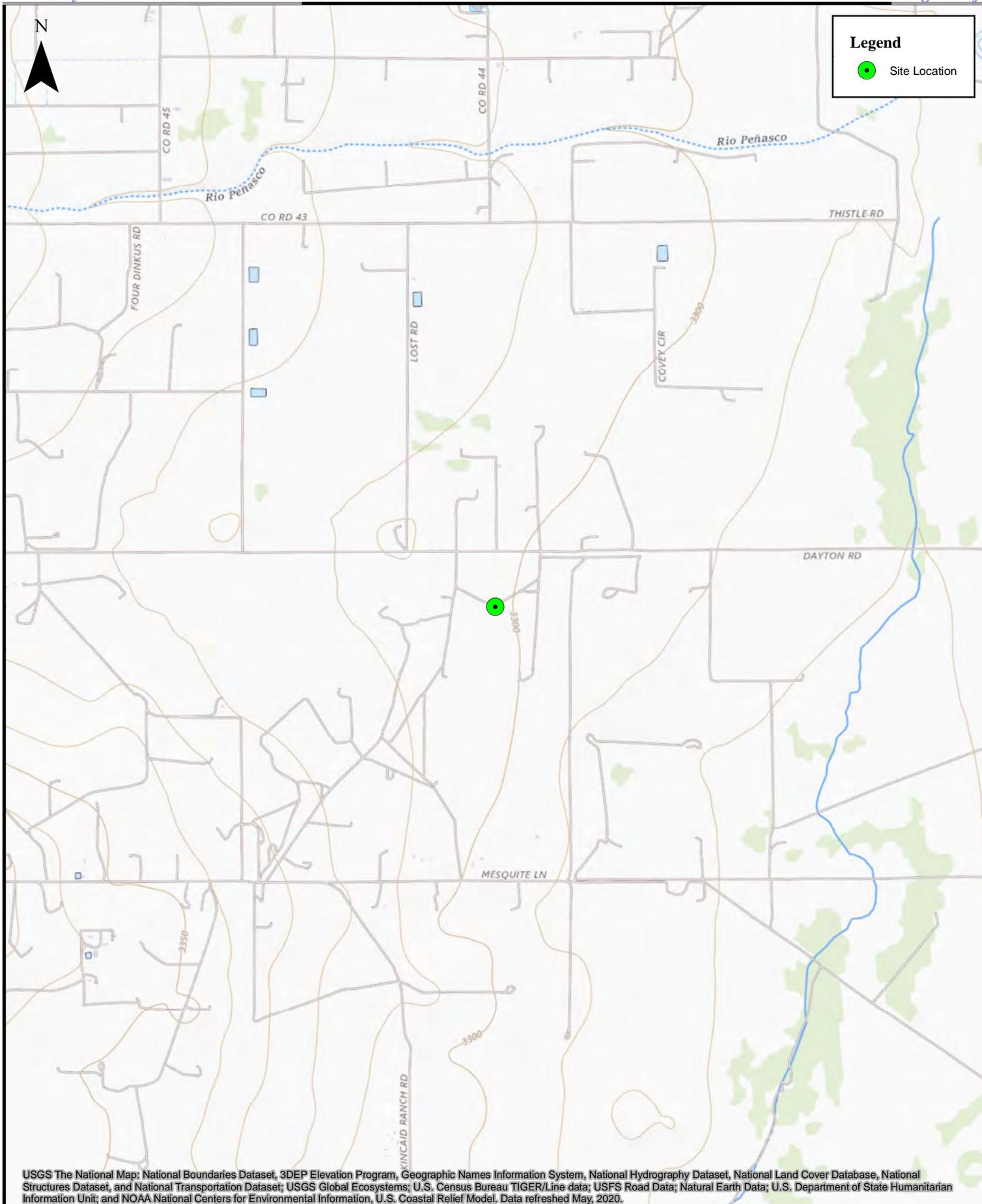
Area Map

Site Map

Groundwater Gradient Maps

Groundwater Gradient Maps (Without MW-4 Data)

Groundwater TDS, Chloride, and Sulfate Isoconcentration Maps



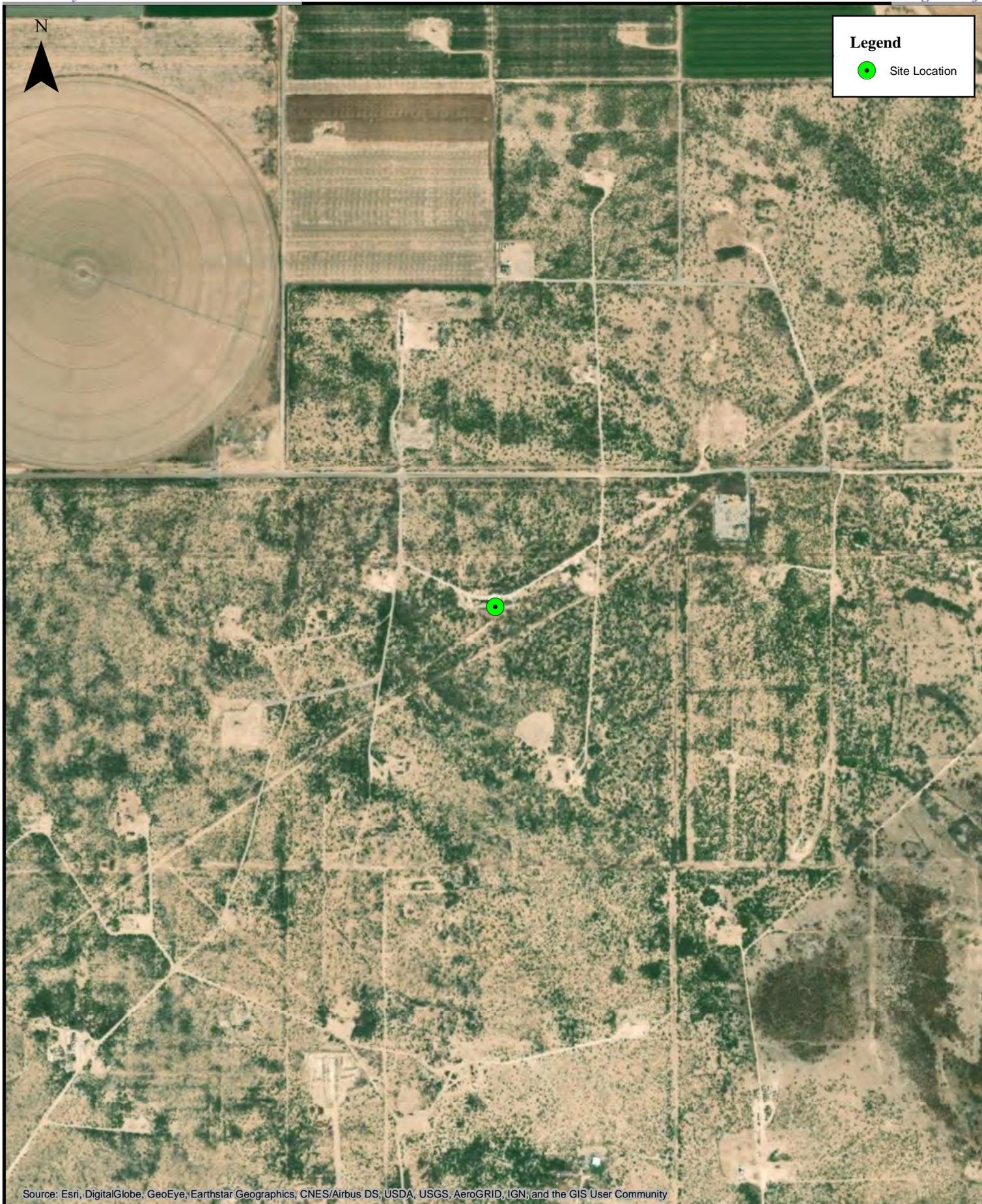
USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census Bureau TIGER/Line data; USFS 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.

0 600 1,200 2,400 3,600 4,800 Feet

RANGER
ENVIRONMENTAL SERVICES, LLC

1:24,000

Topographic Map
Inex Pit
EOG Resources, Inc.



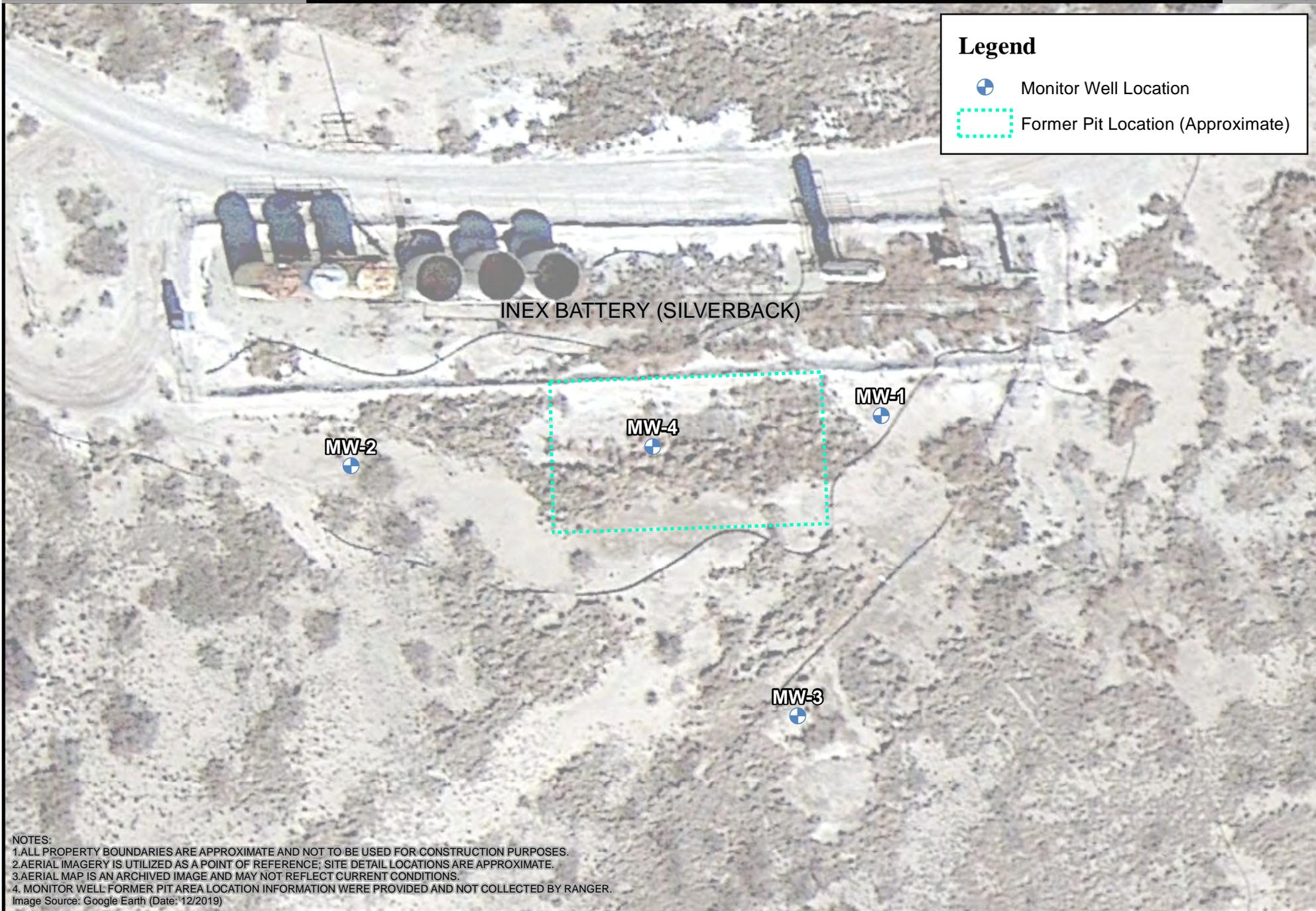
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



0 250 500 1,000 1,500 2,000 Feet

1:10,000

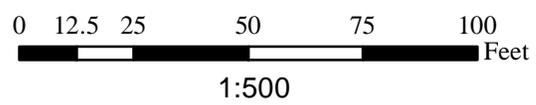
Area Map
Inex Pit
EOG Resources, Inc.



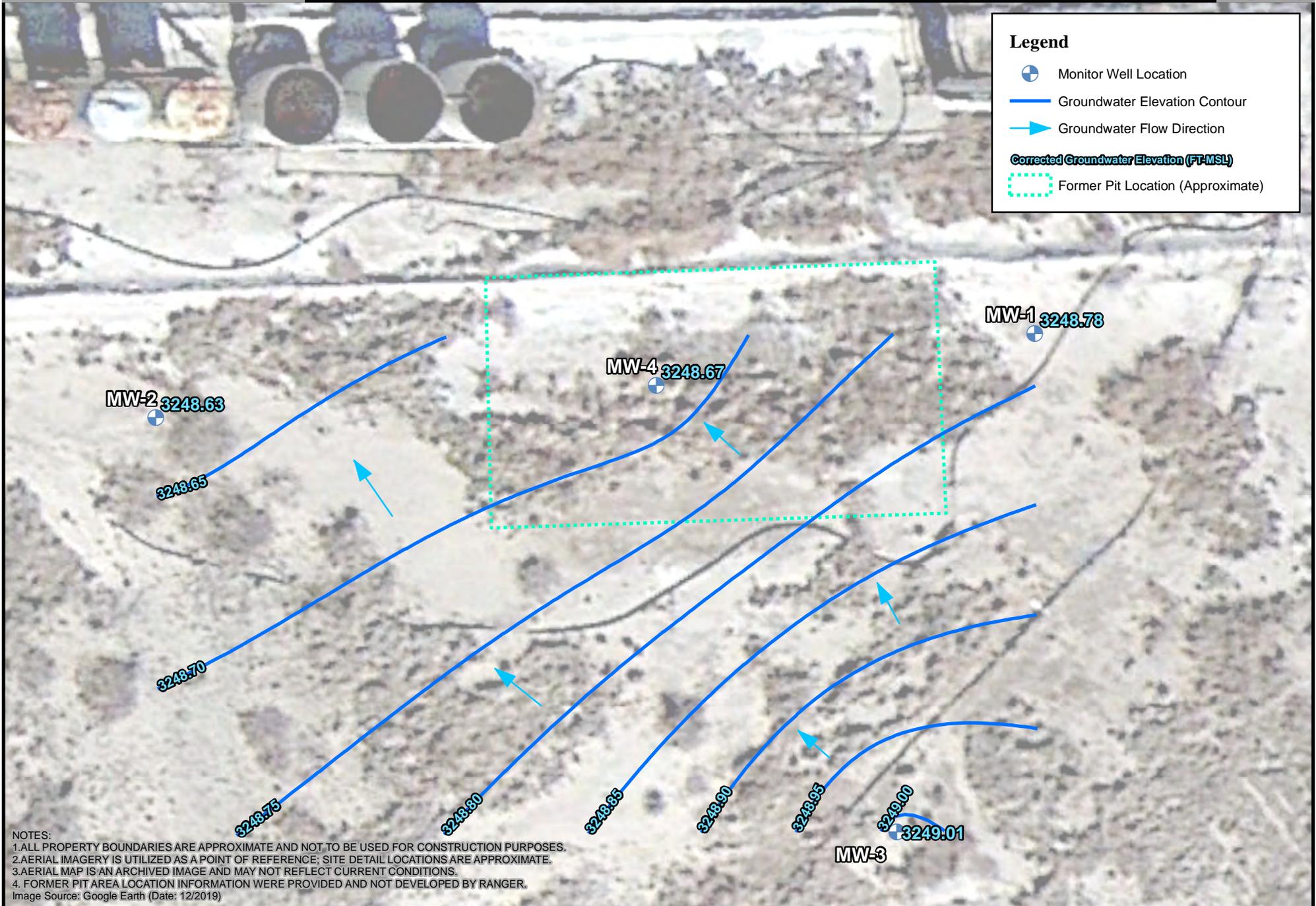
Legend

-  Monitor Well Location
-  Former Pit Location (Approximate)

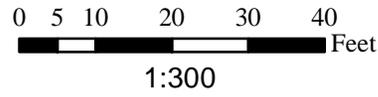
NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 4. MONITOR WELL FORMER PIT AREA LOCATION INFORMATION WERE PROVIDED AND NOT COLLECTED BY RANGER.
 Image Source: Google Earth (Date: 12/2019)



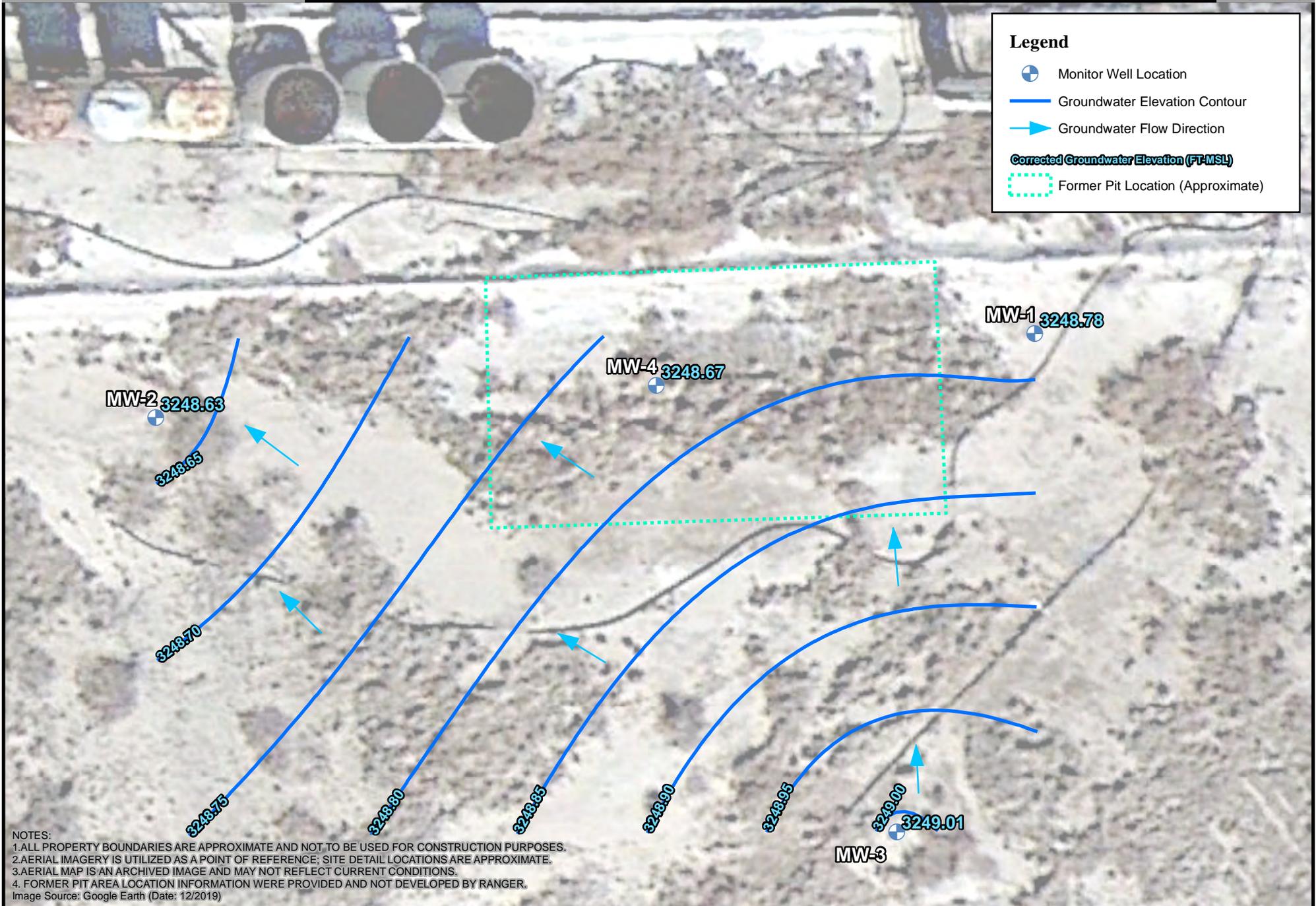
Site Map
 Inex Pit
 EOG Resources, Inc.



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 DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 4. FORMER PIT AREA LOCATION INFORMATION WERE PROVIDED AND NOT DEVELOPED BY RANGER.
 Image Source: Google Earth (Date: 12/2019)



Groundwater Gradient Map
 (Date: 11/28/2023)
 Inex Pit
 EOG Resources, Inc.

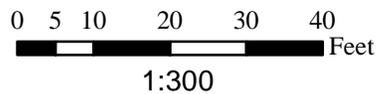
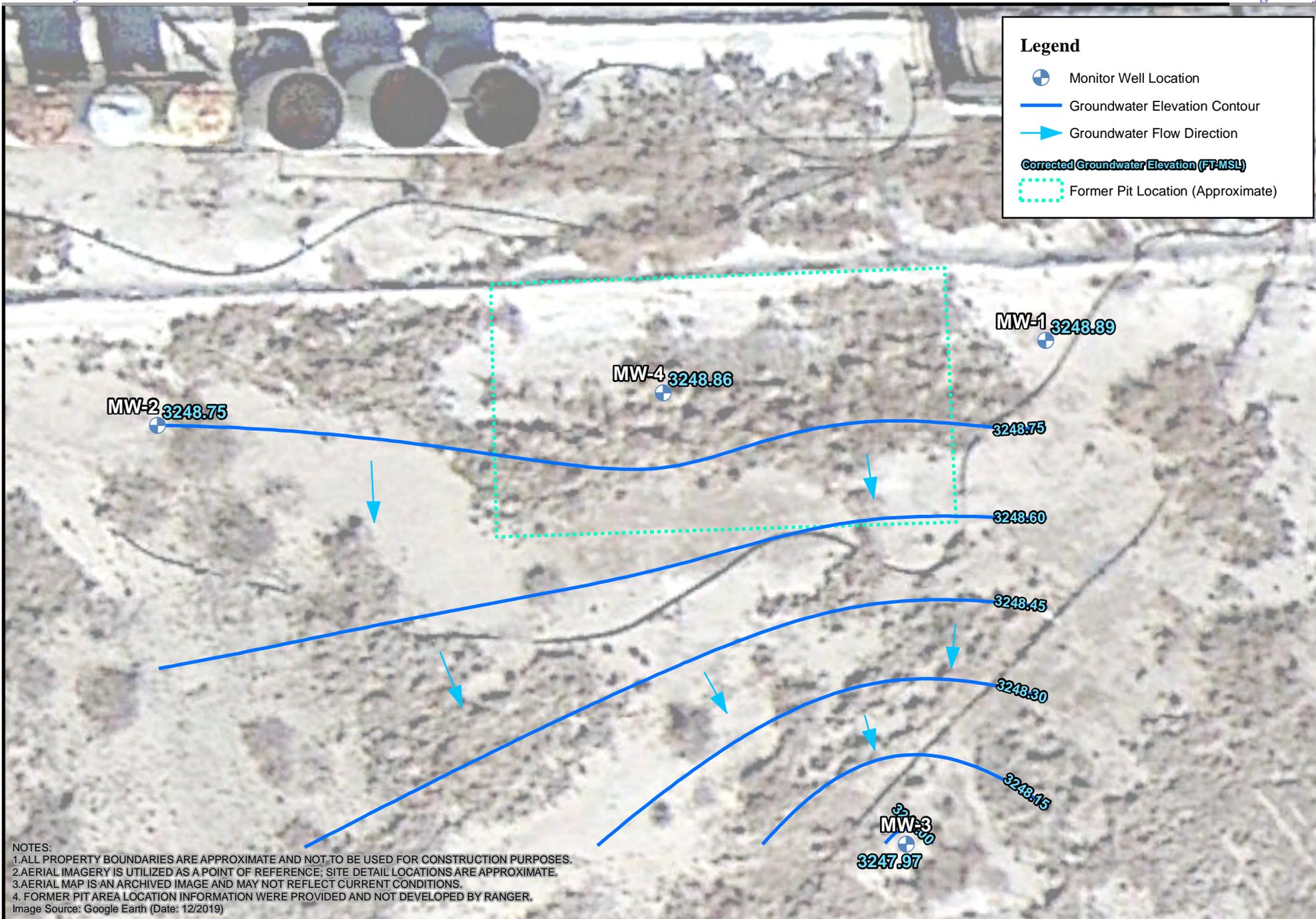


NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 4. FORMER PIT AREA LOCATION INFORMATION WERE PROVIDED AND NOT DEVELOPED BY RANGER.
 Image Source: Google Earth (Date: 12/2019)

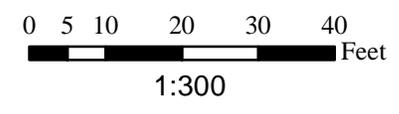
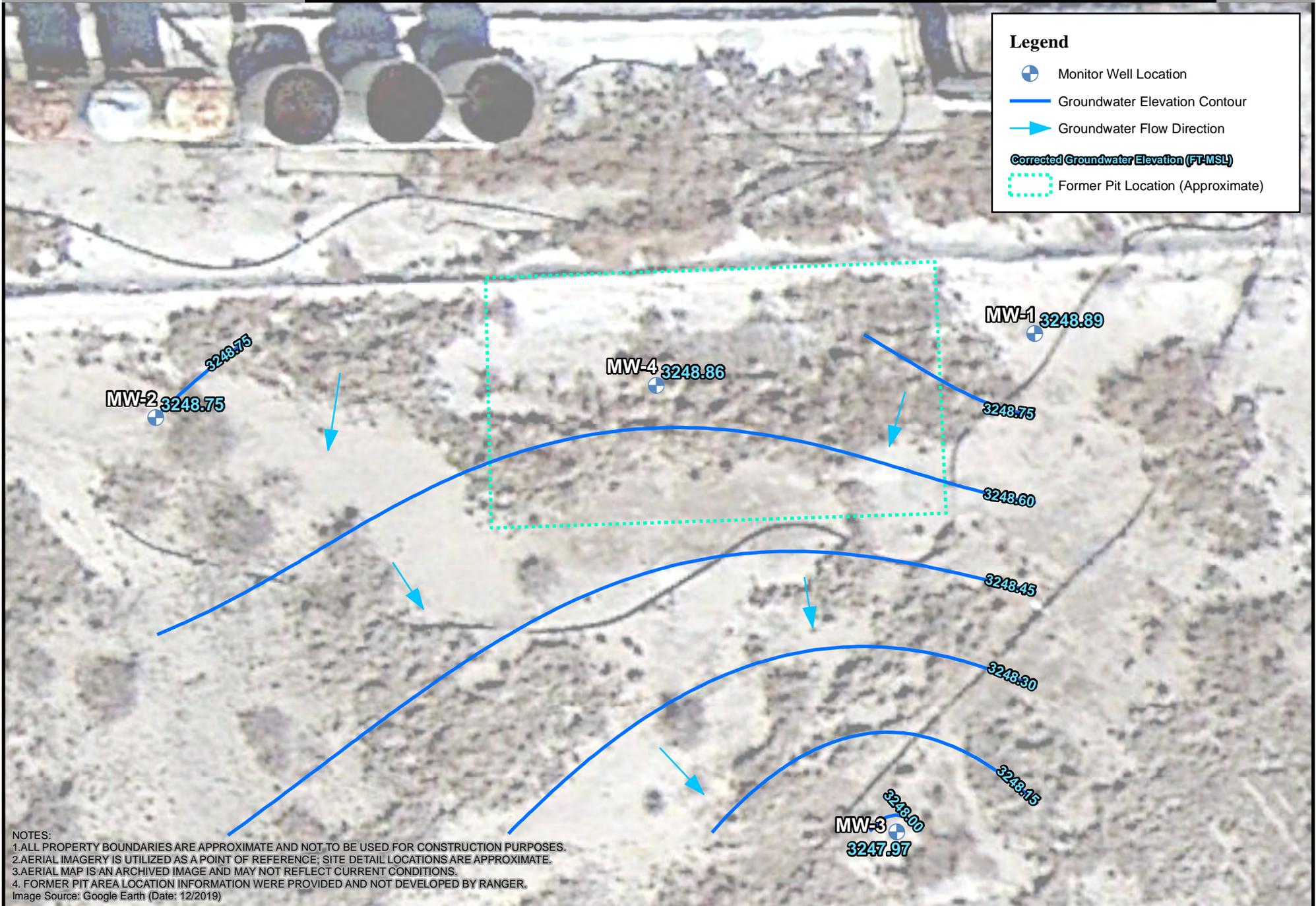
0 5 10 20 30 40 Feet
 1:300

N

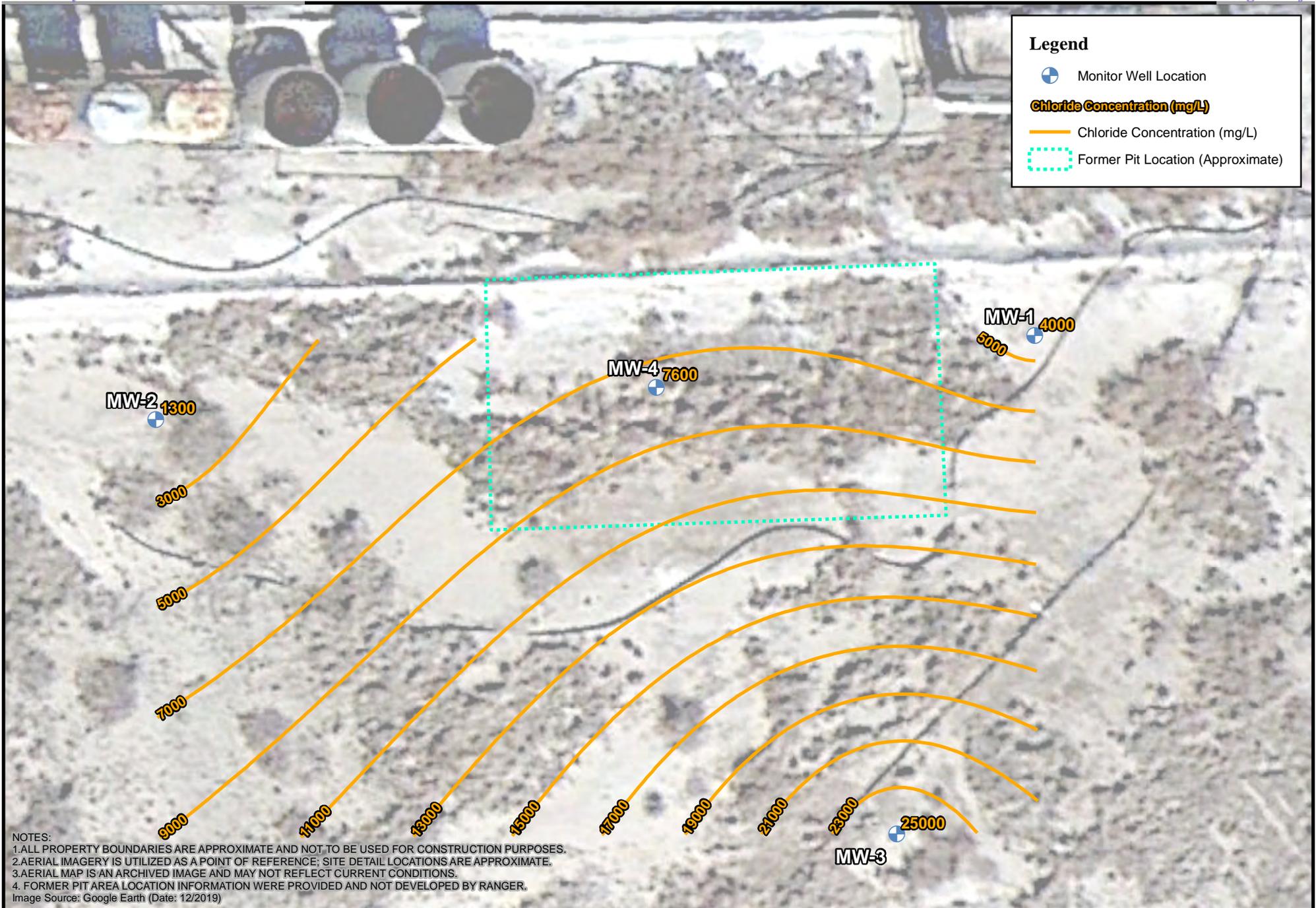
Groundwater Gradient Map (Date: 11/28/2023)
 (Without MW-4 Data)
 Inex Pit
 EOG Resources, Inc.



Groundwater Gradient Map
 (Date: 12/04/2023)
 Inex Pit
 EOG Resources, Inc.



Groundwater Gradient Map (Date: 12/04/2023)
 (Without MW-4 Data)
 Inex Pit
 EOG Resources, Inc.



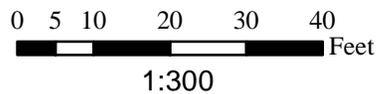
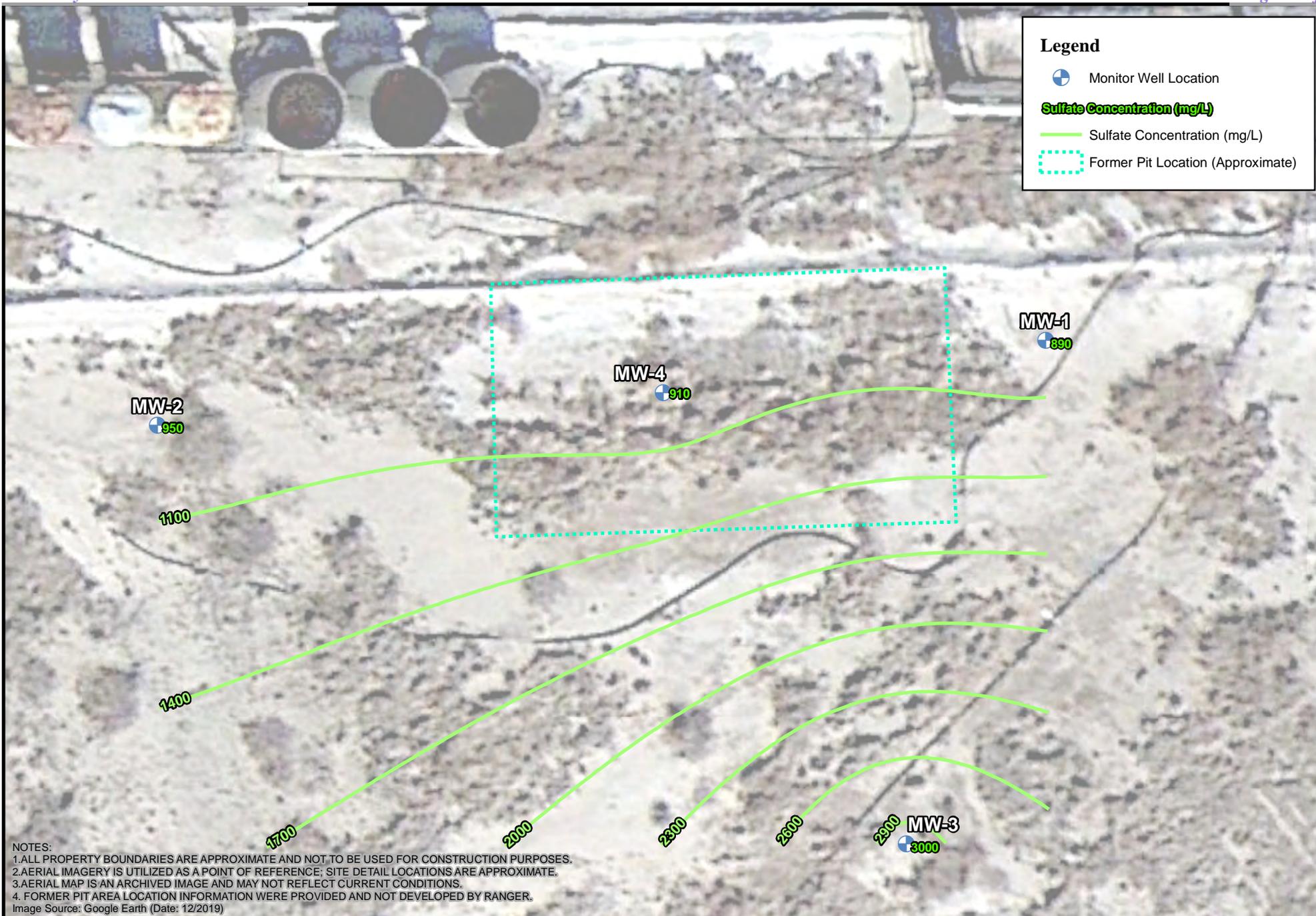
Legend

- Monitor Well Location
- Chloride Concentration (mg/L)**
- Chloride Concentration (mg/L)
- Former Pit Location (Approximate)

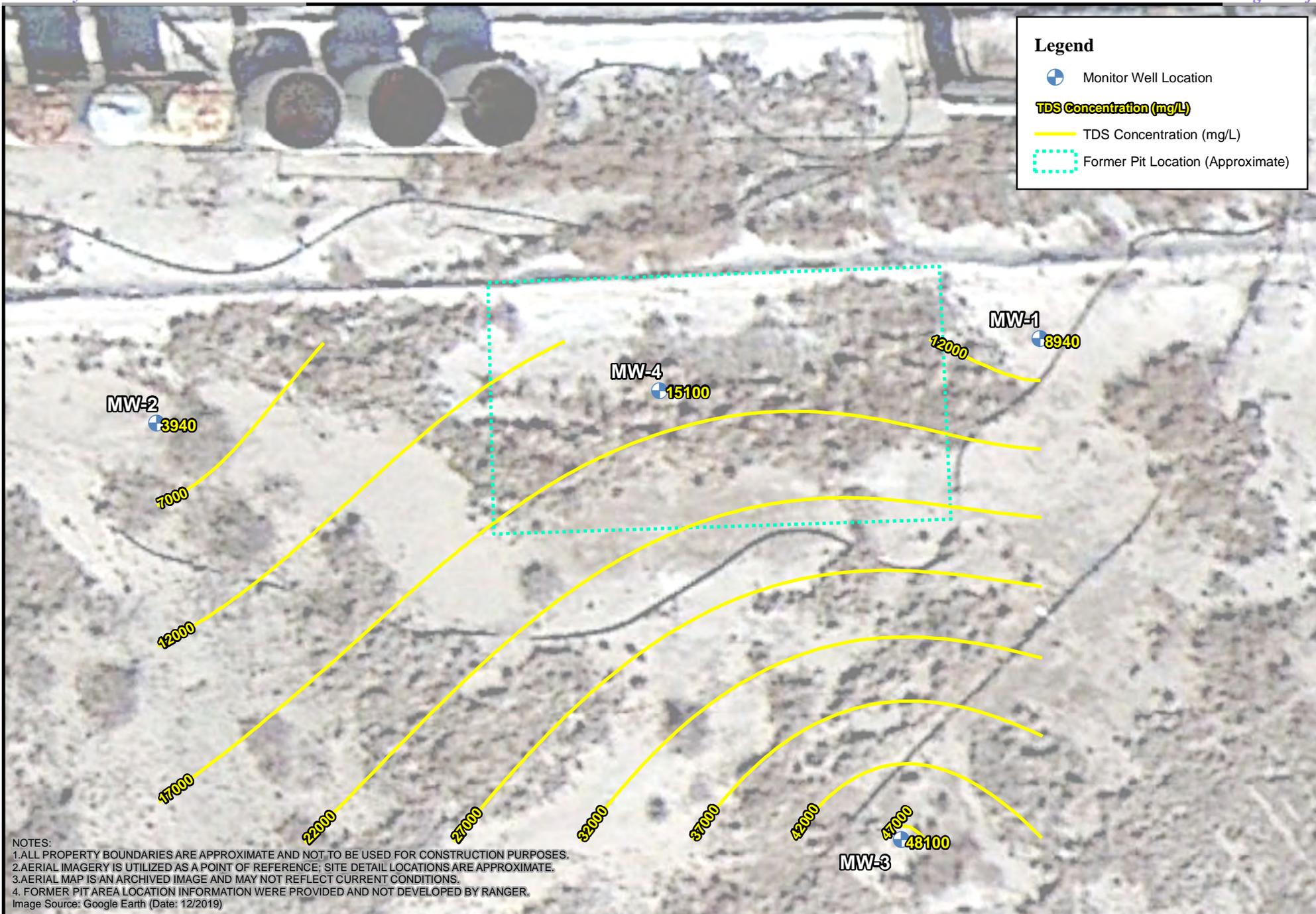
NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 4. FORMER PIT AREA LOCATION INFORMATION WERE PROVIDED AND NOT DEVELOPED BY RANGER.
 Image Source: Google Earth (Date: 12/2019)

0 5 10 20 30 40 Feet
 1:300

Chloride Isoconcentration Map
 (Sample Date: 11/28/2023)
 Inex Pit
 EOG Resources, Inc.



Sulfate Isoconcentration Map
 (Sample Date: 11/28/2023)
 Inex Pit
 EOG Resources, Inc.



Legend

- Monitor Well Location
- TDS Concentration (mg/L)**
- TDS Concentration (mg/L)
- Former Pit Location (Approximate)

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 DETAIL LOCATIONS ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 4. FORMER PIT AREA LOCATION INFORMATION WERE PROVIDED AND NOT DEVELOPED BY RANGER.
 Image Source: Google Earth (Date: 12/2019)



0 5 10 20 30 40 Feet
 1:300



TDS Isoconcentration Map
 (Sample Date: 11/28/2023)
 Inex Pit
 EOG Resources, Inc.

TABLES

Current Event Well Gauging Data

Current Event Groundwater EPA Method 300.0: Anions
Current Event Groundwater Dissolved Metals (Table 1 of 2)
Current Event Groundwater Dissolved Metals (Table 2 of 2)
Current Event Groundwater TPH and VOC Data Summary
Current Event Groundwater Specific Conductance, pH, Alkalinity,
and TDS

Cumulative Well Gauging Data

Cumulative Groundwater EPA Method 300.0: Anions
Cumulative Groundwater Dissolved Metals (Table 1 of 2)
Cumulative Groundwater Dissolved Metals (Table 2 of 2)
Cumulative Groundwater TPH and VOC Data Summary
Cumulative Groundwater Specific Conductance, pH, Alkalinity,
and TDS

CURRENT EVENT TABLES

| CURRENT EVENT WELL GAUGING DATA INEX PIT EDDY COUNTY, NEW MEXICO AP-24 | | | | | | |
|---|------------|----------------------|-----------------------------|-------------------------|----------------------|-------------------------------|
| WELL NUMBER | DATE | CASING ELEV. (FT) | DEPTH TO WATER (FT-BTOC) | LNAPL THICKNESS (FT) | GW ELEVATION (FT) | SCREENED INTERVAL (FT-BGS) |
| MW-1 | 11/28/2023 | 3302.91 | 54.13 | 0.00 | 3248.78 | 40-70 |
| MW-1 | 12/4/2023 | 3302.91 | 54.02 | 0.00 | 3248.89 | 40-70 |
| | | | | | | |
| MW-2 | 11/28/2023 | 3303.37 | 54.74 | 0.00 | 3248.63 | 35-65 |
| MW-2 | 12/4/2023 | 3303.37 | 54.62 | 0.00 | 3248.75 | 35-65 |
| | | | | | | |
| MW-3 | 11/28/2023 | 3302.89 | 53.88 | 0.00 | 3249.01 | 30-60 |
| MW-3 | 12/4/2023 | 3302.89 | 54.92 | 0.00 | 3247.97 | 30-60 |
| | | | | | | |
| MW-4 | 11/28/2023 | 3302.22 | 53.55 | 0.00 | 3248.67 | 35-60 |
| MW-4 | 12/4/2023 | 3302.22 | 53.36 | 0.00 | 3248.86 | 35-60 |
| | | | | | | |
| Notes: | | | | | | |
| 1. Elevations referenced to a temporary on-site benchmark. | | | | | | |
| 2. BTOC = below top of casing | | | | | | |

**CURRENT EVENT GROUNDWATER EPA METHOD 300.0: ANIONS
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24**

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

| SAMPLE ID | DATE | Fluoride | Chloride | Bromide | Phosphorus, Orthophosphate (As P) | Sulfate | Nitrate+Nitrite as N |
|--|------------|---|---------------|------------|---|--------------|-------------------------|
| MW-1 | 11/28/2023 | <2.0 | 4,000 | 2.8 | <10 | 890 | < 2.0 |
| MW-2 | 11/28/2023 | <2.0 | 1,300 | 0.67 | <0.50 | 950 | <1.0 |
| MW-3 | 11/28/2023 | <2.0 | 25,000 | 13 | <10 | 3,000 | <20 |
| MW-4 | 11/28/2023 | <2.0 | 7,600 | 4.0 | <10 | 910 | < 4.0 |
| 20.6.2.3103 NMAC GW STANDARDS (<10,000 mg/L) | | | | | | | |
| | | | | --- | --- | | |
| | | A. Human Health Standards | 1.6 | | | | 10¹ |
| | | B. Other Standards for Domestic Water Supply | | 250 | | 600 | |
| | | C. Standards for Irrigation Use | | | | | |
| Notes: | | | | | | | |
| 1. This standarad is for nitrate. The nitrite standard is 1.0 mg/L. | | | | | | | |
| 2. Exceedances of the listed closure criteria highlighted in bold, red type. | | | | | | | |

| CURRENT EVENT GROUNDWATER DISSOLVED METALS (TABLE 2 OF 2) | | | | | | | | | |
|--|------------|--------------|--------------|------------|--------------|--------------|-------------|--------------|-------------|
| INEX PIT | | | | | | | | | |
| EDDY COUNTY, NEW MEXICO | | | | | | | | | |
| AP-24 | | | | | | | | | |
| All Values Presented in Parts Per Million (mg/L) | | | | | | | | | |
| SAMPLE ID | DATE | Antimony | Arsenic | Copper | Lead | Mercury | Selenium | Thallium | Uranium |
| MW-1 | 11/28/2023 | <0.0010 | 0.011 | < 0.0060 | <0.00050 | --- | 0.0051 | <0.00025 | 0.0081 |
| MW-2 | 11/28/2023 | <0.0010 | 0.004 | <0.0060 | <0.00050 | --- | 0.0058 | <0.00025 | 0.0064 |
| MW-3 | 11/28/2023 | <0.0010 | 0.063 | <0.030 | <0.00050 | --- | 0.0069 | 0.00093 | 0.014 |
| MW-4 | 11/28/2023 | <0.0010 | 0.037 | <0.0060 | <0.00050 | --- | 0.0037 | <0.00025 | 0.012 |
| 20.6.2.3103 NMAC GW STANDARDS (<10,000 mg/L) | | | | | | | | | |
| A. Human Health Standards | | 0.006 | 0.01 | | 0.015 | 0.002 | 0.05 | 0.002 | 0.03 |
| B. Other Standards for Domestic Water Supply | | | | 1.0 | | | | | |
| C. Standards for Irrigation Use | | | | | | | | | |
| Notes: | | | | | | | | | |
| 1. Exceedances of the listed closure criteria highlighted in bold, red type. | | | | | | | | | |

CURRENT EVENT GROUNDWATER TPH AND VOC DATA SUMMARY
 INEX PIT
 EDDY COUNTY, NEW MEXICO
 AP-24

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

| SAMPLE ID | DATE | TPH TOTAL | TPH GRO | TPH DRO | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | 1,2,4-Trimethyl benzene | 1,3,5-Trimethyl benzene | Naphthalene | 1-Methyl naphthalene | 2-Methyl naphthalene |
|---|------------|-----------|---------|---------|------------|--------------|----------|--------------|-------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| MW-1 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-3 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| 20.6.2.3103 NMAC GW STANDARDS | | --- | --- | --- | | | | | | --- | --- | | | |
| (<10,000 mg/L) | | | | | | | | | | | | | | |
| A. Human Health Standards | | | | | | 0.005 | 1 | 0.7 | 0.62 | | | 0.03¹ | 0.03¹ | 0.03¹ |
| B. Other Standards for Domestic Water Supply | | | | | 0.1 | | | | | | | | | |
| C. Standards for Irrigation Use | | | | | | | | | | | | | | |

Notes:

- The 0.03 mg/L standard is for total naphthalene plus monomethylnaphthalenes.
- Exceedances of the listed closure criteria highlighted in bold, red type.

**CURRENT EVENT GROUNDWATER SPECIFIC CONDUCTANCE, pH, ALKALINITY, AND TDS
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24**

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

| SAMPLE ID | DATE | Conductivity µmhos/c | pH | Alkalinity (mg/L) | | | TDS (mg/L) |
|--|------------|-------------------------|---------------|---------------------------|-------------------------|--------------------------------|---------------|
| | | | | Bicarbonate (As CaCO3) | Carbonate (As CaCO3) | Total Alkalinity (as CaCO3) | |
| MW-1 | 11/28/2023 | 16,000 | 7.25 | 162.5 | <2.000 | 162.5 | 8,940 |
| MW-2 | 11/28/2023 | 5,100 | 7.29 | 156.3 | <2.000 | 156.3 | 3,940 |
| MW-3 | 11/28/2023 | 88,000 | 6.87 | 256.9 | <2.000 | 256.9 | 48,100 |
| MW-4 | 11/28/2023 | 27,000 | 7.00 | 185.5 | <2.000 | 185.5 | 15,100 |
| 20.6.2.3103 NMAC GW STANDARDS | | --- | | --- | --- | --- | |
| (<10,000 mg/L) | | | | | | | |
| A. Human Health Standards | | | | | | | |
| B. Other Standards for Domestic Water Supply | | | 6 to 9 | | | | 1,000 |
| C. Standards for Irrigation Use | | | | | | | |
| Notes: | | | | | | | |
| 1. Exceedances of the listed closure criteria highlighted in bold, red type. | | | | | | | |

CUMULATIVE TABLES

**CUMULATIVE WELL GAUGING DATA
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24**

| WELL NUMBER | DATE | CASING ELEV. (FT) | DEPTH TO WATER (FT-BTOC) | LNAPL THICKNESS (FT) | GW ELEVATION (FT) | SCREENED INTERVAL (FT-BGS) |
|--------------------|-------------|--------------------------|---------------------------------|-----------------------------|--------------------------|-----------------------------------|
| MW-1 | 9/18/2002 | 3301.73 | 53.23 | 0.00 | 3248.50 | 40-70 |
| MW-1 | 9/19/2002 | 3301.73 | 53.24 | 0.00 | 3248.49 | 40-70 |
| MW-1 | 11/3/2004 | 3301.73 | 51.75 | 0.00 | 3249.98 | 40-70 |
| MW-1 | 12/1/2004 | 3301.73 | --- | 0.00 | --- | 40-70 |
| MW-1 | 12/15/2004 | 3301.73 | 51.75 | 0.00 | 3249.98 | 40-70 |
| MW-1 | 12/21/2004 | 3301.73 | 50.35 | 0.00 | 3251.38 | 40-70 |
| MW-1 | 12/30/2004 | 3301.73 | 50.09 | 0.00 | 3251.64 | 40-70 |
| MW-1 | 2/10/2005 | 3301.73 | 48.94 | 0.00 | 3252.79 | 40-70 |
| MW-1 | 3/6/2018 | 3301.73 | 44.50 | 0.00 | 3257.23 | 40-70 |
| MW-1 | 4/19/2018 | 3301.73 | 45.12 | 0.00 | 3256.61 | 40-70 |
| MW-1 | 4/21/2019 | 3302.91 | 45.93 | 0.00 | 3256.98 | 40-70 |
| MW-1 | 10/28/2019 | 3302.91 | 47.70 | 0.00 | 3255.21 | 40-70 |
| MW-1 | 9/17/2020 | 3302.91 | 47.75 | 0.00 | 3255.16 | 40-70 |
| MW-1 | 8/23/2021 | 3302.91 | 47.05 | 0.00 | 3255.86 | 40-70 |
| MW-1 | 11/28/2023 | 3302.91 | 54.13 | 0.00 | 3248.78 | 40-70 |
| MW-1 | 12/4/2023 | 3302.91 | 54.02 | 0.00 | 3248.89 | 40-70 |
| | | | | | | |
| MW-2 | 9/18/2002 | 3301.67 | 52.82 | 0.00 | 3248.85 | 35-65 |
| MW-2 | 9/19/2002 | 3301.67 | 54.11 | 0.00 | 3247.56 | 35-65 |
| MW-2 | 11/3/2004 | 3301.67 | 52.86 | 0.00 | 3248.81 | 35-65 |
| MW-2 | 12/1/2004 | 3301.67 | 51.87 | 0.00 | 3249.80 | 35-65 |
| MW-2 | 12/15/2004 | 3301.67 | 51.51 | 0.00 | 3250.16 | 35-65 |
| MW-2 | 12/21/2004 | 3301.67 | 51.18 | 0.00 | 3250.49 | 35-65 |
| MW-2 | 12/30/2004 | 3301.67 | 50.89 | 0.00 | 3250.78 | 35-65 |
| MW-2 | 2/10/2005 | 3301.67 | 49.63 | 0.00 | 3252.04 | 35-65 |
| MW-2 | 3/6/2018 | 3301.67 | 44.81 | 0.00 | 3256.86 | 35-65 |
| MW-2 | 4/19/2018 | 3301.67 | 45.81 | 0.00 | 3255.86 | 35-65 |
| MW-2 | 4/21/2019 | 3303.37 | 46.46 | 0.00 | 3256.91 | 35-65 |
| MW-2 | 10/28/2019 | 3303.37 | 48.08 | 0.00 | 3255.29 | 35-65 |
| MW-2 | 9/17/2020 | 3303.37 | 48.30 | 0.00 | 3255.07 | 35-65 |
| MW-2 | 8/23/2021 | 3303.37 | 48.20 | 0.00 | 3255.17 | 35-65 |
| MW-2 | 11/28/2023 | 3303.37 | 54.74 | 0.00 | 3248.63 | 35-65 |
| MW-2 | 12/4/2023 | 3303.37 | 54.62 | 0.00 | 3248.75 | 35-65 |
| | | | | | | |
| MW-3 | 9/18/2002 | 3302.19 | 54.14 | 0.00 | 3248.05 | 30-60 |
| MW-3 | 9/19/2002 | 3302.19 | 52.95 | 0.00 | 3249.24 | 30-60 |
| MW-3 | 11/3/2004 | 3302.19 | 52.68 | 0.00 | 3249.51 | 30-60 |
| MW-3 | 12/1/2004 | 3302.19 | 52.41 | 0.00 | 3249.78 | 30-60 |
| MW-3 | 12/15/2004 | 3302.19 | 52.20 | 0.00 | 3249.99 | 30-60 |

**CUMULATIVE WELL GAUGING DATA
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24**

| WELL NUMBER | DATE | CASING ELEV. (FT) | DEPTH TO WATER (FT-BTOC) | LNAPL THICKNESS (FT) | GW ELEVATION (FT) | SCREENED INTERVAL (FT-BGS) |
|-------------|------------|-------------------|--------------------------|----------------------|-------------------|----------------------------|
| MW-3 | 12/21/2004 | 3302.19 | 52.08 | 0.00 | 3250.11 | 30-60 |
| MW-3 | 12/30/2004 | 3302.19 | 51.92 | 0.00 | 3250.27 | 30-60 |
| MW-3 | 2/10/2005 | 3302.19 | 51.27 | 0.00 | 3250.92 | 30-60 |
| MW-3 | 3/6/2018 | 3302.19 | 44.84 | 0.00 | 3257.35 | 30-60 |
| MW-3 | 4/19/2018 | 3302.19 | 45.17 | 0.00 | 3257.02 | 30-60 |
| MW-3 | 4/21/2019 | 3302.89 | 46.33 | 0.00 | 3256.56 | 30-60 |
| MW-3 | 10/28/2019 | 3302.89 | 48.12 | 0.00 | 3254.77 | 30-60 |
| MW-3 | 9/17/2020 | 3302.89 | 47.76 | 0.00 | 3255.13 | 30-60 |
| MW-3 | 8/23/2021 | 3302.89 | 47.57 | 0.00 | 3255.32 | 30-60 |
| MW-3 | 11/28/2023 | 3302.89 | 53.88 | 0.00 | 3249.01 | 30-60 |
| MW-3 | 12/4/2023 | 3302.89 | 54.92 | 0.00 | 3247.97 | 30-60 |
| | | | | | | |
| MW-4 | 9/18/2002 | 3301.02 | 53.11 | 0.00 | 3247.91 | 35-60 |
| MW-4 | 9/19/2002 | 3301.02 | 53.43 | 0.00 | 3247.59 | 35-60 |
| MW-4 | 11/3/2004 | 3301.02 | 50.95 | 0.00 | 3250.07 | 35-60 |
| MW-4 | 12/1/2004 | 3301.02 | 49.77 | 0.00 | 3251.25 | 35-60 |
| MW-4 | 12/15/2004 | 3301.02 | 49.36 | 0.00 | 3251.66 | 35-60 |
| MW-4 | 12/21/2004 | 3301.02 | 48.97 | 0.00 | 3252.05 | 35-60 |
| MW-4 | 12/30/2004 | 3301.02 | 48.62 | 0.00 | 3252.40 | 35-60 |
| MW-4 | 2/10/2005 | 3301.02 | 47.16 | 0.00 | 3253.86 | 35-60 |
| MW-4 | 3/6/2018 | 3301.02 | 43.23 | 0.00 | 3257.79 | 35-60 |
| MW-4 | 4/19/2018 | 3301.02 | 44.72 | 0.00 | 3256.30 | 35-60 |
| MW-4 | 4/21/2019 | 3302.22 | 45.05 | 0.00 | 3257.17 | 35-60 |
| MW-4 | 10/28/2019 | 3302.22 | 46.82 | 0.00 | 3255.40 | 35-60 |
| MW-4 | 9/17/2020 | 3302.22 | 47.12 | 0.00 | 3255.10 | 35-60 |
| MW-4 | 8/23/2021 | 3302.22 | 47.02 | 0.00 | 3255.20 | 35-60 |
| MW-4 | 11/28/2023 | 3302.22 | 53.55 | 0.00 | 3248.67 | 35-60 |
| MW-4 | 12/4/2023 | 3302.22 | 53.36 | 0.00 | 3248.86 | 35-60 |
| | | | | | | |

Notes:

1. Elevations referenced to a temporary on-site benchmark.
2. BTOC = below top of casing

| CUMULATIVE GROUNDWATER EPA METHOD 300.0: ANIONS INEX PIT EDDY COUNTY, NEW MEXICO AP-24 All Values Presented in Parts Per Million (mg/L) unless otherwise noted | | | | | | | |
|--|------------|----------|----------|---------|-----------------------------------|---------|----------------------|
| SAMPLE ID | DATE | Fluoride | Chloride | Bromide | Phosphorus, Orthophosphate (As P) | Sulfate | Nitrate+Nitrite as N |
| SB-1 | 10/19/2000 | --- | 17,725 | --- | --- | --- | --- |
| MW-1 | 9/19/2002 | --- | 1,110 | --- | --- | --- | --- |
| MW-1 | 11/3/2004 | --- | 3,099 | --- | --- | --- | --- |
| MW-1 | 3/17/2012 | < 2.0 | 9,400 | 2.8 | < 5.0 | 1,200 | < 40 |
| MW-1 | 6/18/2012 | < 2.0 | 8,100 | 7.1 | <0.50 | 1,200 | < 4.0 |
| MW-1 | 9/12/2012 | < 2.0 | 5,600 | < 2.0 | < 25 | 1,100 | < 10 |
| MW-1 | 12/6/2012 | < 2.0 | 4,400 | < 5.0 | < 10 | 1,000 | < 10 |
| MW-1 | 3/12/2013 | < 2.0 | 7,000 | 2.7 | < 10 | 1,100 | < 4.0 |
| MW-1 | 6/27/2013 | < 1.0 | 5,100 | 2.5 | < 0.50 | 980 | < 4.0 |
| MW-1 | 4/19/2018 | < 2.0 | 6,400 | 3.4 | < 10 | 1,300 | < 10 |
| MW-1 | 3/21/2019 | < 0.50 | 8,400 | 2.7 | < 2.5 | 1,400 | < 10 |
| MW-1 | 10/28/2019 | < 0.50 | 6,200 | 1.8 | < 2.5 | 1,300 | 0.51 |
| MW-1 | 9/17/2020 | < 0.50 | 7,900 | 3.8 | < 2.5 | 1,200 | < 10 |
| MW-1 | 8/23/2021 | < 0.50 | 8,400 | 2 | < 2.5 | 1,200 | < 10 |
| MW-1 | 3/21/2022 | <2.0 | 7,500 | <2.0 | <10 | 1,100 | <10 |
| MW-1 | 8/4/2022 | <2.0 | 6,000 | 3.8 | <10 | 1,300 | <10 |
| MW-1 | 11/28/2023 | <2.0 | 4,000 | 2.8 | <10 | 890 | < 2.0 |
| MW-2 | 9/19/2002 | --- | 319 | --- | --- | --- | --- |
| MW-2 | 11/3/2004 | --- | 636 | --- | --- | --- | --- |
| MW-2 | 3/17/2012 | 0.68 | 1,200 | 0.59 | <5.0 | 1000 | <1.0 |
| MW-2 | 6/18/2012 | 0.96 | 1,000 | 0.98 | < 0.50 | 940 | <1.0 |
| MW-2 | 9/12/2012 | < 2.0 | 900 | 0.49 | < 10 | 910 | < 2.0 |
| MW-2 | 12/6/2012 | 0.64 | 850 | < 2.0 | < 10 | 790 | < 2.0 |
| MW-2 | 3/12/2013 | 0.56 | 1,100 | 0.63 | < 0.50 | 940 | < 1.0 |
| MW-2 | 6/27/2013 | 1.1 | 840 | 0.6 | < 0.50 | 990 | < 1.0 |
| MW-2 | 4/19/2018 | 1.1 | 1,200 | 0.63 | < 0.50 | 990 | 1.3 |
| MW-2 | 3/21/2019 | < 0.50 | 1,600 | 0.6 | < 2.5 | 990 | < 1.0 |
| MW-2 | 10/28/2019 | < 0.50 | 1,300 | 0.64 | < 2.5 | 970 | 0.62 |
| MW-2 | 9/17/2020 | 0.64 | 1,300 | 0.86 | < 2.5 | 840 | < 1.0 |
| MW-2 | 8/23/2021 | < 0.50 | 1,500 | 0.92 | < 2.5 | 880 | < 2.0 |
| MW-2 | 3/21/2022 | <2.0 | 1,600 | <2.0 | <0.50 | 870 | <2.0 |
| MW-2 | 8/4/2022 | <2.0 | 1,500 | 0.94 | <10 | 950 | <1.0 |
| MW-2 | 11/28/2023 | <2.0 | 1,300 | 0.67 | <0.50 | 950 | <1.0 |
| MW-3 | 9/19/2002 | --- | 37,200 | --- | --- | --- | --- |
| MW-3 | 11/3/2004 | --- | 38,988 | --- | --- | --- | --- |
| MW-3 | 3/17/2012 | < 2.0 | 27,000 | 8.6 | < 5.0 | 2,200 | < 100 |
| MW-3 | 6/18/2012 | < 5.0 | 28,000 | 17 | < 10 | 2,400 | < 20 |
| MW-3 | 9/12/2012 | < 10 | 29,000 | 8.8 | < 50 | 2,300 | < 20 |
| MW-3 | 12/6/2012 | 2.5 | 26,000 | < 20 | < 2.5 | 2,200 | < 40 |
| MW-3 | 3/12/2013 | < 2.0 | 28,000 | 10 | < 10 | 2,200 | < 20 |
| MW-3 | 6/27/2013 | < 1.0 | 23,000 | 11 | < 10 | 2,000 | < 20 |
| MW-3 | 4/19/2018 | < 2.0 | 14,000 | 6.2 | < 10 | 2,000 | 11 |
| MW-3 | 3/21/2019 | < 2.0 | 18,000 | 4.5 | < 2.5 | 2,500 | < 20 |
| MW-3 | 10/28/2019 | < 2.0 | 25,000 | 8.8 | < 10 | 2,200 | < 20 |
| MW-3 | 9/17/2020 | < 2.0 | 13,000 | 5.9 | < 2.5 | 2,100 | < 10 |
| MW-3 | 8/23/2021 | < 0.50 | 13,000 | 4 | < 2.5 | 2,300 | < 10 |
| MW-3 | 3/21/2022 | <0.50 | 11,000 | 5.2 | <2.5 | 2,200 | <10 |
| MW-3 | 8/4/2022 | <2.0 | 22,000 | 11 | <10 | 2,800 | <20 |
| MW-3 | 11/28/2023 | <2.0 | 25,000 | 13 | <10 | 3,000 | <20 |
| MW-4 | 9/19/2002 | --- | 21,300 | --- | --- | --- | --- |
| MW-4 | 11/3/2004 | --- | 4,599 | --- | --- | --- | --- |
| MW-4 | 3/17/2012 | < 2.0 | 11,000 | 3.2 | < 5.0 | 1,100 | < 10 |
| MW-4 | 6/18/2012 | < 2.0 | 9,000 | 6.6 | <0.50 | 1,000 | < 4.0 |
| MW-4 | 9/12/2012 | < 2.0 | 7,700 | 2.8 | < 10 | 970 | < 10 |
| MW-4 | 12/6/2012 | < 2.0 | 7,300 | 8.2 | < 10 | 930 | < 10 |

| CUMULATIVE GROUNDWATER EPA METHOD 300.0: ANIONS INEX PIT EDDY COUNTY, NEW MEXICO AP-24 | | | | | | | |
|--|------------|------------|---------------|---------|-----------------------------------|--------------|-----------------------|
| All Values Presented in Parts Per Million (mg/L) unless otherwise noted | | | | | | | |
| SAMPLE ID | DATE | Fluoride | Chloride | Bromide | Phosphorus, Orthophosphate (As P) | Sulfate | Nitrate+Nitrite as N |
| MW-4 | 3/12/2013 | < 2.0 | 7,200 | 3.2 | < 10 | 990 | < 4.0 |
| MW-4 | 6/27/2013 | < 1.0 | 6,600 | 3.4 | < 0.50 | 940 | < 4.0 |
| MW-4 | 4/19/2018 | < 2.0 | 10,000 | 5 | < 10 | 960 | < 10 |
| MW-4 | 3/21/2019 | 1.9 | 12,000 | 3.3 | < 2.5 | 1,100 | < 10 |
| MW-4 | 10/28/2019 | < 0.50 | 11,000 | 3.2 | < 2.5 | 1,000 | < 10 |
| MW-4 | 9/17/2020 | < 0.50 | 10,000 | 4.6 | < 2.5 | 1,000 | < 10 |
| MW-4 | 8/23/2021 | < 0.50 | 10,000 | 2.2 | < 2.5 | 1,000 | < 10 |
| MW-4 | 3/21/2022 | <2.0 | 9,600 | <2.0 | <10 | 950 | <10 |
| MW-4 | 8/4/2022 | <2.0 | 9,800 | 6.8 | <10 | 1,100 | <10 |
| MW-4 | 11/28/2023 | <2.0 | 7,600 | 4.0 | <10 | 910 | < 4.0 |
| 20.6.2.3103 NMAC GW STANDARDS (<10,000 mg/L) | | | | | | | |
| | | | | --- | --- | | |
| A. Human Health Standards | | 1.6 | | | | | 10¹ |
| B. Other Standards for Domestic Water Supply | | | 250 | | | 600 | |
| C. Standards for Irrigation Use | | | | | | | |
| 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. | | | | | | | |

CUMULATIVE GROUNDWATER DISSOLVED METALS (TABLE 1 OF 2)
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24

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

| SAMPLE ID | DATE | Aluminum | Barium | Beryllium | Boron | Cadmium | Calcium | Chromium | Cobalt | Iron | Magnesium | Manganese | Molybdenum | Nickel | Potassium | Silver | Sodium | Zinc |
|-----------|------------|----------|---------|-----------|--------|----------|---------|----------|----------|---------|-----------|-----------|------------|---------|-----------|----------|--------|---------|
| MW-1 | 3/17/2012 | --- | 0.033 | --- | --- | < 0.0020 | 1,500 | < 0.0060 | --- | 0.028 | 540 | 0.004 | --- | --- | 8.8 | < 0.0050 | 3,300 | 0.012 |
| MW-1 | 6/18/2012 | --- | 0.041 | --- | --- | < 0.0020 | 1,800 | < 0.0060 | --- | 0.026 | 480 | 0.0036 | --- | --- | 7.9 | < 0.0050 | 3,500 | 0.013 |
| MW-1 | 9/12/2012 | --- | 0.027 | --- | --- | < 0.0020 | 1,100 | < 0.0060 | --- | 0.071 | 390 | 0.0086 | --- | --- | 6.2 | < 0.0050 | 2,100 | 0.01 |
| MW-1 | 12/6/2012 | --- | 0.029 | --- | --- | < 0.0020 | 930 | < 0.0060 | --- | 0.039 | 360 | 0.0044 | --- | --- | 6.2 | < 0.0050 | 1,900 | 0.011 |
| MW-1 | 3/12/2013 | --- | 0.032 | --- | --- | < 0.0020 | 1,200 | < 0.0060 | --- | 0.026 | 420 | 0.0043 | --- | --- | 7.9 | < 0.0050 | 2,500 | < 0.010 |
| MW-1 | 6/27/2013 | --- | 0.031 | --- | --- | < 0.0020 | 1,200 | < 0.0060 | --- | < 0.020 | 370 | 0.0034 | --- | --- | 7.3 | < 0.25 | 1,900 | 0.014 |
| MW-1 | 4/19/2018 | < 0.020 | 0.022 | < 0.0020 | --- | < 0.0020 | 1,100 | < 0.0060 | < 0.0060 | 0.02 | 440 | < 0.0020 | < 0.0080 | < 0.010 | 6 | 0.023 | 3,200 | 0.026 |
| MW-1 | 3/21/2019 | < 0.020 | 0.028 | < 0.0020 | 0.13 | < 0.0020 | 1,300 | < 0.0060 | < 0.0060 | 0.073 | 510 | 0.0077 | < 0.0080 | < 0.010 | 6.4 | 0.019 | 4,000 | 0.02 |
| MW-1 | 10/28/2019 | < 0.020 | 0.026 | 0.0025 | 0.13 | < 0.0020 | 1,300 | < 0.0060 | < 0.0060 | < 0.020 | 430 | 0.0026 | < 0.0080 | < 0.010 | 9.3 | 0.031 | 3,100 | 0.02 |
| MW-1 | 9/17/2020 | < 0.10 | 0.034 | < 0.010 | < 0.20 | < 0.010 | 1,400 | < 0.030 | < 0.030 | < 0.10 | 530 | < 0.010 | < 0.040 | < 0.050 | 7.3 | < 0.025 | 3,600 | < 0.050 |
| MW-1 | 8/23/2021 | < 0.10 | 0.028 | < 0.010 | < 0.20 | < 0.010 | 1,400 | < 0.030 | < 0.030 | 0.031 | 490 | < 0.010 | < 0.040 | < 0.050 | 9.3 | < 0.025 | 3,800 | < 0.050 |
| MW-1 | 3/21/2022 | < 0.10 | 0.031 | < 0.010 | < 0.20 | < 0.010 | 1,600 | < 0.030 | < 0.030 | 0.029 | 570 | 0.011 | < 0.040 | < 0.050 | 9.3 | < 0.025 | 4,200 | < 0.050 |
| MW-1 | 8/4/2022 | < 0.20 | 0.026 | < 0.020 | < 0.40 | < 0.020 | 1,200 | < 0.060 | < 0.060 | < 0.20 | 450 | < 0.02 | < 0.08 | < 0.10 | < 10 | < 0.050 | 2,700 | < 0.10 |
| MW-1 | 11/28/2023 | 0.049 | 0.019 | < 0.0020 | 0.071 | < 0.0020 | 1,000 | < 0.0060 | < 0.0060 | 0.027 | 360 | 0.0023 | < 0.0080 | < 0.010 | 4.4 | 0.025 | 1,300 | < 0.010 |
| MW-2 | 3/17/2012 | --- | 0.017 | --- | --- | < 0.0020 | 580 | < 0.0060 | --- | 0.038 | 230 | 0.0037 | --- | --- | 2.8 | < 0.0050 | 240 | < 0.010 |
| MW-2 | 6/18/2012 | --- | 0.017 | --- | --- | < 0.0020 | 520 | < 0.0060 | --- | 0.041 | 190 | 0.0036 | --- | --- | 2.3 | < 0.0050 | 210 | 0.01 |
| MW-2 | 9/12/2012 | --- | 0.015 | --- | --- | < 0.0020 | 480 | < 0.0060 | --- | 0.032 | 180 | 0.0024 | --- | --- | 2.3 | < 0.0050 | 170 | < 0.010 |
| MW-2 | 12/6/2012 | --- | 0.018 | --- | --- | < 0.0020 | 470 | < 0.0060 | --- | 0.028 | 180 | 0.0026 | --- | --- | 2.7 | < 0.0050 | 180 | 0.024 |
| MW-2 | 3/12/2013 | --- | 0.017 | --- | --- | < 0.0020 | 510 | < 0.0060 | --- | 0.03 | 190 | 0.0027 | --- | --- | 2.6 | < 0.0050 | 210 | < 0.010 |
| MW-2 | 6/27/2013 | --- | 0.016 | --- | --- | < 0.0020 | 470 | < 0.0060 | --- | < 0.020 | 160 | < 0.0020 | --- | --- | 2.6 | < 0.025 | 170 | 0.015 |
| MW-2 | 4/19/2018 | < 0.020 | 0.014 | < 0.0020 | --- | < 0.0020 | 580 | < 0.0060 | < 0.0060 | < 0.020 | 210 | < 0.0020 | < 0.0080 | < 0.010 | 2.5 | 0.012 | 270 | 0.063 |
| MW-2 | 3/21/2019 | < 0.020 | 0.016 | < 0.0020 | 0.076 | < 0.0020 | 630 | < 0.0060 | < 0.0060 | < 0.020 | 220 | < 0.0020 | < 0.0080 | < 0.010 | 2.5 | 0.0082 | 340 | 0.021 |
| MW-2 | 10/28/2019 | < 0.020 | 0.017 | < 0.0020 | 0.083 | < 0.0020 | 580 | < 0.0060 | < 0.0060 | < 0.020 | 190 | 0.0024 | < 0.0080 | < 0.010 | 2.9 | 0.015 | 260 | 0.02 |
| MW-2 | 9/17/2020 | < 0.10 | 0.016 | < 0.010 | < 0.20 | < 0.010 | 590 | < 0.030 | < 0.030 | < 0.10 | 230 | < 0.010 | < 0.040 | < 0.050 | < 5.0 | < 0.025 | 320 | < 0.050 |
| MW-2 | 8/23/2021 | < 0.020 | 0.019 | < 0.0020 | 0.09 | < 0.0020 | 620 | < 0.0060 | < 0.0060 | 0.025 | 230 | 0.0047 | < 0.0080 | < 0.010 | 3.1 | < 0.0050 | 360 | 0.058 |
| MW-2 | 3/21/2022 | < 0.020 | 0.020 | < 0.0020 | 0.093 | < 0.0020 | 660 | < 0.0060 | < 0.0060 | 0.026 | 260 | 0.004 | < 0.0080 | < 0.010 | 3.3 | < 0.0050 | 430 | 0.012 |
| MW-2 | 8/4/2022 | < 0.20 | < 0.020 | < 0.020 | < 0.40 | < 0.020 | 650 | < 0.060 | < 0.060 | < 0.20 | 240 | < 0.02 | < 0.08 | < 0.10 | < 10 | < 0.050 | 350 | < 0.10 |
| MW-2 | 11/28/2023 | 0.028 | 0.015 | < 0.0020 | 0.079 | < 0.0020 | 560 | < 0.0060 | < 0.0060 | < 0.020 | 200 | < 0.0020 | < 0.0080 | < 0.010 | 2.7 | 0.018 | 250 | < 0.010 |
| MW-3 | 3/17/2012 | --- | 0.076 | --- | --- | < 0.010 | 2,200 | < 0.030 | --- | 0.15 | 880 | 0.24 | --- | --- | 48 | < 0.025 | 15,000 | < 0.050 |
| MW-3 | 6/18/2012 | --- | 0.069 | --- | --- | < 0.010 | 2,200 | < 0.030 | --- | 0.8 | 770 | 0.2 | --- | --- | 29 | < 0.025 | 14,000 | 0.15 |
| MW-3 | 9/12/2012 | --- | 0.21 | --- | --- | < 0.010 | 2,300 | < 0.030 | --- | 2.1 | 830 | 1.1 | --- | --- | 29 | < 0.025 | 13,000 | 0.053 |
| MW-3 | 12/6/2012 | --- | 0.074 | --- | --- | < 0.010 | 2,100 | < 0.030 | --- | 0.18 | 730 | 0.2 | --- | --- | 47 | < 0.025 | 15,000 | < 0.050 |
| MW-3 | 3/12/2013 | --- | 0.1 | --- | --- | < 0.010 | 2,000 | < 0.060 | --- | 3.3 | 720 | 0.4 | --- | --- | 40 | < 0.025 | 14,000 | < 0.10 |
| MW-3 | 6/27/2013 | --- | 0.061 | --- | --- | < 0.010 | 2,300 | < 0.030 | --- | 0.13 | 840 | 0.31 | --- | --- | 35 | < 0.25 | 12,000 | 0.1 |
| MW-3 | 4/19/2018 | < 0.020 | 0.024 | < 0.0020 | --- | < 0.0020 | 1,400 | < 0.0060 | < 0.0060 | 0.022 | 530 | 0.24 | < 0.0080 | < 0.010 | 19 | 0.027 | 8,500 | 0.07 |
| MW-3 | 3/21/2019 | < 0.020 | 0.033 | < 0.0020 | 0.43 | < 0.0020 | 1,300 | < 0.0060 | < 0.0060 | 0.022 | 540 | 0.22 | < 0.0080 | < 0.010 | 21 | 0.02 | 9,000 | 0.033 |
| MW-3 | 10/28/2019 | 0.03 | 0.038 | 0.0036 | 0.37 | < 0.0020 | 1,700 | < 0.0060 | < 0.0060 | 0.046 | 620 | 0.24 | < 0.0080 | < 0.010 | 45 | 0.039 | 9,400 | 0.045 |
| MW-3 | 9/17/2020 | < 0.10 | 0.032 | < 0.010 | 0.39 | < 0.010 | 1,400 | < 0.030 | < 0.030 | < 0.10 | 540 | 0.23 | < 0.040 | < 0.050 | 20 | < 0.025 | 6,800 | < 0.050 |
| MW-3 | 8/23/2021 | < 0.10 | 0.026 | < 0.010 | 0.46 | < 0.010 | 1,200 | < 0.030 | < 0.030 | 0.047 | 460 | 0.14 | < 0.040 | < 0.050 | 26 | < 0.025 | 7,600 | 0.11 |
| MW-3 | 3/21/2022 | < 0.10 | 0.023 | < 0.010 | 0.51 | < 0.010 | 1,200 | < 0.030 | < 0.030 | < 0.020 | 480 | 0.12 | < 0.040 | < 0.050 | 25 | < 0.025 | 7,900 | < 0.050 |
| MW-3 | 8/4/2022 | < 0.20 | 0.038 | < 0.020 | 0.56 | < 0.020 | 1,800 | < 0.060 | < 0.060 | < 0.20 | 650 | 0.28 | < 0.08 | < 0.10 | 25 | < 0.050 | 13,000 | < 0.10 |
| MW-3 | 11/28/2023 | 0.18 | 0.048 | < 0.010 | 0.5 | < 0.010 | 2,200 | < 0.030 | < 0.030 | 0.062 | 770 | 0.19 | < 0.040 | < 0.050 | 36 | 0.046 | 16,000 | < 0.050 |

CUMULATIVE GROUNDWATER DISSOLVED METALS (TABLE 1 OF 2)
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24

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

| SAMPLE ID | DATE | Aluminum | Barium | Beryllium | Boron | Cadmium | Calcium | Chromium | Cobalt | Iron | Magnesium | Manganese | Molybdenum | Nickel | Potassium | Silver | Sodium | Zinc |
|-----------|------------|----------|--------|---------------|--------|----------|---------|----------|----------|---------|-----------|-----------|------------|---------|-----------|--------------|--------|---------|
| MW-4 | 3/17/2012 | --- | 0.043 | --- | --- | < 0.0020 | 2,100 | < 0.0060 | --- | < 0.10 | 700 | 0.0052 | --- | --- | 7.7 | < 0.0050 | 2,600 | 0.011 |
| MW-4 | 6/18/2012 | --- | 0.046 | --- | --- | < 0.0020 | 2,000 | < 0.0060 | --- | 0.03 | 660 | 0.009 | --- | --- | 7.1 | < 0.0050 | 2,700 | 0.017 |
| MW-4 | 9/12/2012 | --- | 0.039 | --- | --- | < 0.0020 | 1,700 | < 0.0060 | --- | 0.026 | 600 | 0.013 | --- | --- | 6.8 | < 0.0050 | 2,100 | 0.011 |
| MW-4 | 12/6/2012 | --- | 0.043 | --- | --- | < 0.0020 | 1,800 | < 0.0060 | --- | 0.031 | 550 | 0.016 | --- | --- | 7.6 | < 0.0050 | 2,100 | < 0.010 |
| MW-4 | 3/12/2013 | --- | 0.04 | --- | --- | < 0.0020 | 1,900 | < 0.0060 | --- | < 0.020 | 640 | 0.017 | --- | --- | 10 | < 0.0050 | 2,800 | < 0.010 |
| MW-4 | 6/27/2013 | --- | 0.039 | --- | --- | < 0.0020 | 1,700 | < 0.0060 | --- | < 0.020 | 580 | 0.027 | --- | --- | 8 | < 0.25 | 2,000 | < 0.010 |
| MW-4 | 4/19/2018 | < 0.020 | 0.034 | < 0.0020 | --- | < 0.0020 | 2,300 | < 0.0060 | < 0.0060 | < 0.020 | 790 | 0.012 | < 0.0080 | 0.011 | 11 | 0.041 | 4,100 | 0.056 |
| MW-4 | 3/21/2019 | < 0.020 | 0.041 | < 0.0020 | 0.22 | < 0.0020 | 2,100 | < 0.0060 | < 0.0060 | 0.025 | 770 | 0.013 | < 0.0080 | < 0.010 | 10 | 0.03 | 3,800 | 0.018 |
| MW-4 | 10/28/2019 | < 0.020 | 0.042 | 0.0041 | 0.18 | < 0.0020 | 2,300 | < 0.0060 | < 0.0060 | < 0.020 | 770 | 0.01 | < 0.0080 | < 0.010 | 9 | 0.051 | 3,300 | 0.025 |
| MW-4 | 9/17/2020 | < 0.10 | 0.046 | < 0.010 | 0.21 | < 0.010 | 2,300 | < 0.030 | < 0.030 | < 0.10 | 780 | 0.013 | < 0.040 | < 0.050 | 9.7 | < 0.025 | 3,300 | < 0.050 |
| MW-4 | 8/23/2021 | < 0.10 | 0.04 | < 0.010 | < 0.20 | < 0.010 | 2,200 | < 0.030 | < 0.030 | 0.035 | 720 | 0.011 | < 0.040 | < 0.050 | 11 | < 0.025 | 3,300 | 0.051 |
| MW-4 | 3/21/2022 | < 0.10 | 0.043 | < 0.010 | < 0.20 | < 0.010 | 2,400 | < 0.030 | < 0.030 | 0.02 | 810 | < 0.010 | < 0.040 | < 0.050 | 11 | < 0.025 | 3,600 | < 0.050 |
| MW-4 | 8/4/2022 | < 0.20 | 0.043 | < 0.020 | < 0.40 | < 0.020 | 2,300 | < 0.060 | < 0.060 | < 0.20 | 790 | 0.05 | < 0.08 | < 0.10 | < 10 | < 0.050 | 3,300 | < 0.10 |
| MW-4 | 11/28/2023 | 0.05 | 0.035 | < 0.0020 | 0.12 | < 0.0020 | 1,900 | < 0.0060 | < 0.0060 | < 0.020 | 670 | 0.0032 | < 0.0080 | < 0.010 | 7.2 | 0.048 | 2,100 | < 0.010 |

20.6.2.3103 NMAC GW STANDARDS
(**<10,000 mg/L**)

| | | | | | | | | | | | | | | | | | | | |
|---|------------|--------------|--------------|-------------|--|--|--|--|-------------|------------|--|------------|------------|------------|--|-------------|--|--|-----------|
| A. Human Health Standards | 2 | 0.004 | 0.005 | 0.05 | | | | | | | | | | | | 0.05 | | | |
| B. Other Standards for Domestic Water Supply | | | | | | | | | | 1.0 | | 0.2 | | | | | | | 10 |
| C. Standards for Irrigation Use | 5.0 | | | 0.75 | | | | | 0.05 | | | | 1.0 | 0.2 | | | | | |

Notes:

1. Exceedances of the listed closure criteria highlighted in bold, red type.

CUMULATIVE GROUNDWATER DISSOLVED METALS (TABLE 2 OF 2)
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24

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

| SAMPLE ID | DATE | Antimony | Arsenic | Copper | Lead | Mercury | Selenium | Thallium | Uranium |
|-----------|------------|----------|--------------|----------|----------|-----------|--------------|----------|---------|
| MW-1 | 3/17/2012 | --- | < 0.0050 | < 0.0060 | < 0.0050 | < 0.00020 | 0.013 | --- | 0.012 |
| MW-1 | 6/18/2012 | --- | < 0.0050 | < 0.0060 | < 0.0050 | < 0.00020 | 0.016 | --- | 0.013 |
| MW-1 | 9/12/2012 | --- | < 0.0050 | < 0.0060 | < 0.0050 | < 0.00020 | 0.013 | --- | 0.011 |
| MW-1 | 12/6/2012 | --- | < 0.0050 | < 0.0060 | < 0.0050 | < 0.00020 | 0.0083 | --- | 0.011 |
| MW-1 | 3/12/2013 | --- | < 0.0050 | < 0.0060 | 0.0052 | < 0.00020 | 0.0086 | --- | 0.012 |
| MW-1 | 6/27/2013 | --- | < 0.010 | < 0.0060 | < 0.0050 | < 0.00020 | 0.05 | --- | 0.012 |
| MW-1 | 4/19/2018 | --- | 0.0087 | < 0.0050 | < 0.0050 | < 0.00020 | 0.0084 | --- | 0.01 |
| MW-1 | 3/21/2019 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0050 | < 0.00020 | < 0.0010 | < 0.0050 | 0.0099 |
| MW-1 | 10/28/2019 | < 0.010 | < 0.010 | < 0.010 | < 0.0050 | --- | < 0.010 | < 0.0050 | 0.011 |
| MW-1 | 9/17/2020 | < 0.010 | < 0.010 | < 0.030 | < 0.0050 | --- | < 0.010 | < 0.0050 | 0.01 |
| MW-1 | 8/23/2021 | < 0.010 | < 0.010 | < 0.030 | < 0.0050 | --- | < 0.010 | < 0.0025 | 0.011 |
| MW-1 | 3/21/2022 | <0.020 | <0.020 | <0.020 | <0.010 | --- | <0.020 | <0.0050 | <0.010 |
| MW-1 | 8/4/2022 | <0.010 | <0.010 | <0.010 | <0.0050 | --- | <0.010 | <0.0025 | 0.0091 |
| MW-1 | 11/28/2023 | <0.0010 | 0.011 | < 0.0060 | <0.00050 | --- | 0.0051 | <0.00025 | 0.0081 |
| | | | | | | | | | |
| MW-2 | 3/17/2012 | --- | 0.0011 | < 0.0060 | < 0.0050 | < 0.00020 | 0.0067 | --- | 0.0072 |
| MW-2 | 6/18/2012 | --- | 0.0014 | < 0.0060 | < 0.0050 | < 0.00020 | 0.0075 | --- | 0.0076 |
| MW-2 | 9/12/2012 | --- | 0.0013 | < 0.0060 | < 0.0010 | < 0.00020 | 0.0069 | --- | 0.0075 |
| MW-2 | 12/6/2012 | --- | < 0.0010 | < 0.0060 | < 0.0010 | < 0.00020 | 0.0067 | --- | 0.0089 |
| MW-2 | 3/12/2013 | --- | < 0.0010 | < 0.0060 | < 0.0050 | < 0.00020 | 0.0073 | --- | 0.0081 |
| MW-2 | 6/27/2013 | --- | 0.0023 | < 0.0060 | < 0.0050 | < 0.00020 | 0.013 | --- | 0.0077 |
| MW-2 | 4/19/2018 | --- | < 0.0050 | < 0.0010 | < 0.0025 | < 0.00020 | 0.0061 | --- | 0.0066 |
| MW-2 | 3/21/2019 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0025 | < 0.00020 | 0.0054 | < 0.0025 | 0.0073 |
| MW-2 | 10/28/2019 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0025 | --- | 0.0053 | < 0.0025 | 0.0073 |
| MW-2 | 9/17/2020 | < 0.010 | < 0.010 | < 0.030 | < 0.0050 | --- | < 0.010 | < 0.0050 | 0.0064 |
| MW-2 | 8/23/2021 | < 0.010 | < 0.010 | < 0.0060 | < 0.0050 | --- | < 0.010 | < 0.0025 | 0.0072 |
| MW-2 | 3/21/2022 | <0.010 | <0.010 | <0.010 | <0.0050 | --- | <0.010 | <0.0025 | 0.0064 |
| MW-2 | 8/4/2022 | <0.010 | <0.010 | <0.010 | <0.0050 | --- | <0.010 | <0.0025 | 0.0064 |
| MW-2 | 11/28/2023 | <0.0010 | 0.004 | <0.0060 | <0.00050 | --- | 0.0058 | <0.00025 | 0.0064 |
| | | | | | | | | | |
| MW-3 | 3/17/2012 | --- | 0.0065 | < 0.030 | < 0.025 | 0.00056 | 0.034 | --- | 0.015 |
| MW-3 | 6/18/2012 | --- | < 0.020 | < 0.030 | < 0.025 | 0.00021 | 0.049 | --- | < 0.020 |
| MW-3 | 9/12/2012 | --- | 0.016 | < 0.030 | < 0.010 | 0.00027 | 0.052 | --- | 0.018 |
| MW-3 | 12/6/2012 | --- | < 0.010 | < 0.030 | < 0.0050 | < 0.0010 | 0.033 | --- | 0.02 |
| MW-3 | 3/12/2013 | --- | < 0.010 | < 0.030 | < 0.025 | 0.00033 | 0.028 | --- | 0.016 |
| MW-3 | 6/27/2013 | --- | 0.035 | < 0.030 | < 0.25 | 0.00045 | 0.21 | --- | < 0.020 |

CUMULATIVE GROUNDWATER DISSOLVED METALS (TABLE 2 OF 2)
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24

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

| SAMPLE ID | DATE | Antimony | Arsenic | Copper | Lead | Mercury | Selenium | Thallium | Uranium |
|-----------|------------|----------|--------------|----------|----------|-----------|--------------|----------|---------|
| MW-3 | 4/19/2018 | --- | 0.011 | < 0.0050 | < 0.010 | < 0.0010 | 0.011 | --- | 0.012 |
| MW-3 | 3/21/2019 | < 0.020 | < 0.0010 | < 0.010 | < 0.010 | < 0.00020 | 0.016 | < 0.010 | 0.011 |
| MW-3 | 10/28/2019 | < 0.010 | < 0.010 | < 0.010 | < 0.0050 | --- | 0.018 | < 0.0050 | 0.012 |
| MW-3 | 9/17/2020 | < 0.010 | < 0.010 | < 0.030 | < 0.0050 | --- | 0.015 | < 0.0050 | 0.012 |
| MW-3 | 8/23/2021 | < 0.010 | < 0.010 | < 0.030 | < 0.0050 | --- | 0.019 | < 0.0025 | 0.012 |
| MW-3 | 3/21/2022 | <0.020 | <0.020 | <0.020 | <0.010 | --- | <0.020 | <0.0050 | 0.011 |
| MW-3 | 8/4/2022 | <0.020 | <0.020 | <0.020 | <0.010 | --- | <0.020 | <0.0050 | 0.014 |
| MW-3 | 11/28/2023 | <0.0010 | 0.063 | <0.030 | <0.00050 | --- | 0.0069 | 0.00093 | 0.014 |
| | | | | | | | | | |
| MW-4 | 3/17/2012 | --- | < 0.0050 | < 0.030 | < 0.0050 | < 0.00020 | 0.011 | --- | 0.017 |
| MW-4 | 6/18/2012 | --- | < 0.0050 | < 0.0060 | < 0.0050 | < 0.00020 | 0.016 | --- | 0.018 |
| MW-4 | 9/12/2012 | --- | < 0.0050 | < 0.0060 | < 0.0050 | < 0.00020 | 0.017 | --- | 0.016 |
| MW-4 | 12/6/2012 | --- | < 0.0050 | < 0.0060 | < 0.0050 | < 0.00020 | 0.01 | --- | 0.016 |
| MW-4 | 3/12/2013 | --- | < 0.010 | < 0.0060 | < 0.0050 | < 0.00020 | < 0.010 | --- | 0.015 |
| MW-4 | 6/27/2013 | --- | 0.012 | < 0.0060 | < 0.0050 | < 0.00020 | 0.066 | --- | 0.017 |
| MW-4 | 4/19/2018 | --- | 0.014 | < 0.0050 | < 0.010 | < 0.00020 | < 0.010 | --- | 0.014 |
| MW-4 | 3/21/2019 | < 0.0050 | < 0.0050 | < 0.0050 | < 0.0025 | < 0.00020 | < 0.0050 | < 0.0025 | 0.015 |
| MW-4 | 10/28/2019 | < 0.010 | < 0.010 | < 0.010 | < 0.0050 | --- | < 0.010 | < 0.0050 | 0.014 |
| MW-4 | 9/17/2020 | < 0.010 | < 0.010 | < 0.030 | < 0.0050 | --- | < 0.010 | < 0.0050 | 0.014 |
| MW-4 | 8/23/2021 | < 0.010 | < 0.010 | < 0.030 | < 0.0050 | --- | < 0.010 | < 0.0025 | 0.015 |
| MW-4 | 3/21/2022 | <0.010 | <0.010 | <0.010 | <0.0050 | --- | <0.010 | <0.0025 | 0.015 |
| MW-4 | 8/4/2022 | <0.020 | <0.020 | <0.020 | <0.010 | --- | <0.020 | <0.0050 | 0.013 |
| MW-4 | 11/28/2023 | <0.0010 | 0.037 | <0.0060 | <0.00050 | --- | 0.0037 | <0.00025 | 0.012 |

20.6.2.3103 NMAC GW STANDARDS
(**<10,000 mg/L**)

A. Human Health Standards

0.006

0.01

0.015

0.002

0.05

0.002

0.03

B. Other Standards for Domestic Water Supply

1.0

C. Standards for Irrigation Use

Notes:

- Exceedances of the listed closure criteria highlighted in bold, red type.

CUMULATIVE GROUNDWATER TPH AND VOC DATA SUMMARY
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24

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

| SAMPLE ID | DATE | TPH TOTAL | TPH GRO | TPH DRO | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | 1,2,4-Trimethyl benzene | 1,3,5-Trimethyl benzene | Naphthalene | 1-Methyl naphthalene | 2-Methyl naphthalene |
|-----------|------------|-----------|---------|---------|----------|----------|----------|--------------|----------|-------------------------|-------------------------|-------------|----------------------|----------------------|
| SB-1 | 10/19/2000 | <1.00 | <0.50 | <0.50 | --- | 0.088 | 0.007 | 0.056 | 0.082 | --- | --- | --- | --- | --- |
| MW-1 | 9/19/2002 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | --- | --- | --- | --- | --- |
| MW-1 | 11/3/2004 | --- | --- | --- | --- | < 0.0020 | < 0.0020 | < 0.0020 | <0.0060 | --- | --- | --- | --- | --- |
| MW-1 | 3/17/2012 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | < 0.0010 | < 0.0010 | < 0.0020 | <0.0040 | <0.0040 |
| MW-1 | 6/18/2012 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-1 | 9/12/2012 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-1 | 12/6/2012 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-1 | 3/12/2013 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-1 | 6/27/2013 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-1 | 4/19/2018 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-1 | 3/21/2019 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | --- | --- |
| MW-1 | 10/28/2019 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-1 | 9/17/2020 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-1 | 8/23/2021 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-1 | 3/21/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-1 | 8/4/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-1 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 9/19/2002 | --- | --- | --- | --- | <0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | --- | --- | --- | --- | --- |
| MW-2 | 11/3/2004 | --- | --- | --- | --- | <0.0020 | <0.0020 | <0.0020 | <0.0060 | --- | --- | --- | --- | --- |
| MW-2 | 3/17/2012 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | < 0.0010 | < 0.0010 | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 6/18/2012 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-2 | 9/12/2012 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-2 | 12/6/2012 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-2 | 3/12/2013 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-2 | 6/27/2013 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-2 | 4/19/2018 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 3/21/2019 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | --- | --- |
| MW-2 | 10/28/2019 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 9/17/2020 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 8/23/2021 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 3/21/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 8/4/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-2 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-3 | 9/19/2002 | --- | --- | --- | --- | <0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | --- | --- | --- | --- | --- |
| MW-3 | 11/3/2004 | --- | --- | --- | --- | <0.0020 | <0.0020 | <0.0020 | <0.0060 | --- | --- | --- | --- | --- |
| MW-3 | 3/17/2012 | --- | --- | --- | < 0.0020 | < 0.0020 | < 0.0020 | < 0.0020 | < 0.0040 | < 0.0020 | < 0.0020 | < 0.0040 | <0.0080 | <0.0080 |
| MW-3 | 6/18/2012 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-3 | 9/12/2012 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-3 | 12/6/2012 | --- | --- | --- | --- | <0.0020 | <0.0020 | <0.0020 | <0.0040 | --- | --- | <0.0040 | --- | --- |
| MW-3 | 3/12/2013 | --- | --- | --- | --- | <0.0020 | <0.0020 | <0.0020 | <0.0040 | --- | --- | <0.0040 | --- | --- |
| MW-3 | 6/27/2013 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-3 | 4/19/2018 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |

CUMULATIVE GROUNDWATER TPH AND VOC DATA SUMMARY
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24

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

| SAMPLE ID | DATE | TPH TOTAL | TPH GRO | TPH DRO | MTBE | Benzene | Toluene | Ethylbenzene | Xylenes | 1,2,4-Trimethyl benzene | 1,3,5-Trimethyl benzene | Naphthalene | 1-Methyl naphthalene | 2-Methyl naphthalene |
|-----------|------------|-----------|---------|---------|----------|----------|----------|--------------|----------|-------------------------|-------------------------|-------------|----------------------|----------------------|
| MW-3 | 3/21/2019 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | --- | --- |
| MW-3 | 10/28/2019 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-3 | 9/17/2020 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-3 | 8/23/2021 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-3 | 3/21/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-3 | 8/4/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-3 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 9/19/2002 | --- | --- | --- | --- | <0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | --- | --- | --- | --- | --- |
| MW-4 | 11/3/2004 | --- | --- | --- | --- | <0.0020 | <0.0020 | 0.006 | <0.0060 | --- | --- | --- | --- | --- |
| MW-4 | 3/17/2012 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | < 0.0010 | < 0.0010 | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 6/18/2012 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-4 | 9/12/2012 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-4 | 12/6/2012 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-4 | 3/12/2013 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-4 | 6/27/2013 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0020 | --- | --- | < 0.0020 | --- | --- |
| MW-4 | 4/19/2018 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 3/21/2019 | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | --- | --- |
| MW-4 | 10/28/2019 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 9/17/2020 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 8/23/2021 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 3/21/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 8/4/2022 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |
| MW-4 | 11/28/2023 | --- | --- | --- | --- | < 0.0010 | < 0.0010 | < 0.0010 | < 0.0015 | --- | --- | < 0.0020 | <0.0040 | <0.0040 |

20.6.2.3103 NMAC GW STANDARDS
(**<10,000 mg/L**)

A. Human Health Standards

B. Other Standards for Domestic Water Supply

C. Standards for Irrigation Use

0.005 1 0.7 0.62 0.03¹ 0.03¹ 0.03¹

0.1

Notes:

1. The 0.03 mg/L standard is for total naphthalene plus monomethylnaphthalenes.
2. Exceedances of the listed closure criteria highlighted in bold, red type.

**CUMULATIVE GROUNDWATER SPECIFIC CONDUCTANCE, pH, ALKALINITY, AND TDS
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24**

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

| SAMPLE ID | DATE | Conductivity µmhos/c | pH | Alkalinity (mg/L) | | | TDS (mg/L) |
|-----------|------------|-------------------------|------|---------------------------|-------------------------|--------------------------------|---------------|
| | | | | Bicarbonate (As CaCO3) | Carbonate (As CaCO3) | Total Alkalinity (as CaCO3) | |
| MW-1 | 9/19/2002 | --- | --- | --- | --- | --- | 3,880 |
| MW-1 | 11/3/2004 | --- | --- | --- | --- | --- | 6,796 |
| MW-1 | 3/17/2012 | 28,000 | 7.23 | 180 | < 2.0 | 180 | 15,300 |
| MW-1 | 6/18/2012 | 31,000 | 7.03 | 180 | < 2.0 | 180 | 15,400 |
| MW-1 | 9/12/2012 | 18,000 | 7.01 | 170 | < 2.0 | 170 | 11,700 |
| MW-1 | 12/6/2012 | 15,000 | 6.9 | 180 | < 2.0 | 180 | 9,660 |
| MW-1 | 3/12/2013 | 25,000 | --- | 190 | < 2.0 | 190 | 12,700 |
| MW-1 | 6/27/2013 | 19,000 | 7.23 | 190 | < 2.0 | 190 | 11,600 |
| MW-1 | 4/19/2018 | 27,000 | 7.30 | 189.5 | < 2.000 | 189.5 | 15,200 |
| MW-1 | 3/21/2019 | 30,000 | 6.98 | 188.8 | < 2.000 | 188.8 | 16,200 |
| MW-1 | 10/28/2019 | 22,000 | 7.21 | 226.7 | < 2.000 | 226.7 | 16,100 |
| MW-1 | 9/17/2020 | 31,000 | 7.14 | 174.3 | < 2.000 | 174.3 | 19,000 |
| MW-1 | 8/23/2021 | 36,000 | --- | 170.1 | < 2.000 | 170.1 | 18,100 |
| MW-1 | 3/21/2022 | 32,000 | 7.19 | 164.2 | < 2.000 | 164.2 | 19,400 |
| MW-1 | 8/4/2022 | 28,000 | 7.36 | 176.6 | <2.000 | 176.6 | 17,200 |
| MW-1 | 11/28/2023 | 16,000 | 7.25 | 162.5 | <2.000 | 162.5 | 8,940 |
| | | | | | | | |
| MW-2 | 9/19/2002 | --- | --- | --- | --- | --- | 2,270 |
| MW-2 | 11/3/2004 | --- | --- | --- | --- | --- | 2,984 |
| MW-2 | 3/17/2012 | 4,700 | 7.45 | 150 | <2.0 | 150 | 3,650 |
| MW-2 | 6/18/2012 | 4,300 | 7.3 | 150 | < 2.0 | 150 | 3,220 |
| MW-2 | 9/12/2012 | 4,200 | 7.31 | 160 | < 2.0 | 160 | 3,140 |
| MW-2 | 12/6/2012 | 4,100 | 7.21 | 160 | < 2.0 | 160 | 2,970 |
| MW-2 | 3/12/2013 | 4,600 | --- | 150 | < 2.0 | 150 | 3,430 |
| MW-2 | 6/27/2013 | 4,200 | 7.52 | 160 | < 2.0 | 160 | 2,910 |
| MW-2 | 4/19/2018 | 5,300 | 7.47 | 154.9 | < 2.000 | 154.9 | 3,810 |
| MW-2 | 3/21/2019 | 5,900 | 7.26 | 150.2 | < 2.000 | 150.2 | 4,190 |
| MW-2 | 10/28/2019 | 5,400 | 7.47 | 156.4 | < 2.000 | 156.4 | 3,580 |
| MW-2 | 9/17/2020 | 6,600 | 7.55 | 149.9 | < 2.000 | 149.9 | 4,520 |
| MW-2 | 8/23/2021 | 6,200 | --- | 147.6 | < 2.000 | 147.6 | 4,510 |
| MW-2 | 3/21/2022 | 6,500 | 7.74 | 146.6 | < 2.000 | 146.6 | 4,990 |
| MW-2 | 8/4/2022 | 6,300 | 7.47 | 151 | <2.000 | 151 | 5,210 |
| MW-2 | 11/28/2023 | 5,100 | 7.29 | 156.3 | <2.000 | 156.3 | 3,940 |
| | | | | | | | |
| MW-3 | 9/19/2002 | --- | --- | --- | --- | --- | 67,400 |
| MW-3 | 11/3/2004 | --- | --- | --- | --- | --- | 52,200 |
| MW-3 | 3/17/2012 | 87,000 | 7.17 | 250 | < 2.0 | 250 | 44,800 |
| MW-3 | 6/18/2012 | 86,000 | 6.89 | 240 | < 2.0 | 240 | 44,500 |
| MW-3 | 9/12/2012 | 90,000 | 6.87 | 250 | < 2.0 | 250 | 46,100 |
| MW-3 | 12/6/2012 | 93,000 | 6.71 | 250 | < 2.0 | 250 | 44,000 |
| MW-3 | 3/12/2013 | 90,000 | 6.76 | 250 | < 2.0 | 250 | 47,700 |
| MW-3 | 6/27/2013 | 91,000 | 7.10 | 240 | < 2.0 | 240 | 49,400 |
| MW-3 | 4/19/2018 | 51,000 | 7.22 | 282.7 | < 2.000 | 282.7 | 28,000 |
| MW-3 | 3/21/2019 | 47,000 | 6.88 | 288.1 | < 2.000 | 288.1 | 29,700 |
| MW-3 | 10/28/2019 | 89,000 | 7.13 | 260.2 | < 2.000 | 260.2 | 49,100 |
| MW-3 | 9/17/2020 | 45,000 | 7.03 | 289.7 | < 2.000 | 289.7 | 25,500 |
| MW-3 | 8/23/2021 | 51,000 | --- | 294.2 | < 2.000 | 294.2 | 27,100 |
| MW-3 | 3/21/2022 | 44,000 | 7.49 | 314.7 | < 2.000 | 314.7 | 23,200 |
| MW-3 | 8/4/2022 | 84,000 | 7.13 | 273.7 | <2.000 | 273.7 | 45,700 |
| MW-3 | 11/28/2023 | 88,000 | 6.87 | 256.9 | <2.000 | 256.9 | 48,100 |
| | | | | | | | |
| MW-4 | 9/19/2002 | --- | --- | --- | --- | --- | 38,200 |
| MW-4 | 11/3/2004 | --- | --- | --- | --- | --- | 7,996 |
| MW-4 | 3/17/2012 | 31,000 | 7.13 | 200 | < 2.0 | 200 | 17,900 |
| MW-4 | 6/18/2012 | 32,000 | 7.02 | 200 | < 2.0 | 200 | 15,400 |
| MW-4 | 9/12/2012 | 24,000 | 6.89 | 190 | < 2.0 | 190 | 15,700 |
| MW-4 | 12/6/2012 | 22,000 | 6.79 | 180 | < 2.0 | 180 | 14,300 |

**CUMULATIVE GROUNDWATER SPECIFIC CONDUCTANCE, pH, ALKALINITY, AND TDS
INEX PIT
EDDY COUNTY, NEW MEXICO
AP-24**

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

| SAMPLE ID | DATE | Conductivity µmhos/c | pH | Alkalinity (mg/L) | | | TDS (mg/L) |
|--|------------|-------------------------|---------------|---------------------------|-------------------------|--------------------------------|---------------|
| | | | | Bicarbonate (As CaCO3) | Carbonate (As CaCO3) | Total Alkalinity (as CaCO3) | |
| MW-4 | 3/12/2013 | 28,000 | --- | 190 | < 2.0 | 190 | 15,900 |
| MW-4 | 6/27/2013 | 25,000 | 7.12 | 170 | < 2.0 | 170 | 16,500 |
| MW-4 | 4/19/2018 | 40,000 | 7.07 | 191.7 | < 2.000 | 191.7 | 22,300 |
| MW-4 | 3/12/2013 | 28,000 | --- | 190 | < 2.0 | 190 | 15,900 |
| MW-4 | 3/21/2019 | 35,000 | 6.83 | 191.7 | < 2.000 | 191.7 | 19,500 |
| MW-4 | 10/28/2019 | 34,000 | 7.07 | 190 | < 2.000 | 190 | 22,200 |
| MW-4 | 9/17/2020 | 35,000 | 7.02 | 189.9 | < 2.000 | 189.9 | 22,500 |
| MW-4 | 8/23/2021 | 37,000 | --- | 191.9 | < 2.000 | 191.9 | 20,100 |
| MW-4 | 3/21/2022 | 35,000 | 7.29 | 196.4 | < 2.000 | 196.4 | 21,500 |
| MW-4 | 8/4/2022 | 37,000 | 7.03 | 191.5 | <2.000 | 191.5 | 27,300 |
| MW-4 | 11/28/2023 | 27,000 | 7.00 | 185.5 | <2.000 | 185.5 | 15,100 |
| <p>20.6.2.3103 NMAC GW STANDARDS (<10,000 mg/L)</p> <p>A. Human Health Standards</p> <p>B. Other Standards for Domestic Water Supply</p> <p>C. Standards for Irrigation Use</p> | | | | | | | |
| | | --- | | --- | --- | --- | |
| | | | 6 to 9 | | | | 1,000 |

Notes:
1. Exceedances of the listed closure criteria highlighted in bold, red type.

ATTACHMENT 1 - SITE PHOTOGRAPHS



PHOTOGRAPH NO. 1 – A view of the Site with the four monitor wells and former pit location visible. The view is toward the west.

(Approximate GPS: 32.723596, -104.347714)



PHOTOGRAPH NO. 2 – A view of the former pit area and monitor wells “MW-4” and “MW-1”. The view is towards the east.
(Approximate GPS: 32.723580, -104.348184)

ATTACHMENT 2 – LABORATORY ANALYTICAL REPORT



Eurofins Environment Testing South
Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 09, 2024

Will Kierdorf
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Inex Pit

OrderNo.: 2311D99

Dear Will Kierdorf:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 11/30/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued December 21, 2023.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order **2311D99**

Date Reported: **1/9/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: Trip Blank

Project: Inex Pit

Collection Date:

Lab ID: 2311D99-001

Matrix: TRIP BLANK

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|--------|------|-------|----|----------------------|---------------------|
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: CCM |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 12/5/2023 7:28:00 PM | R101602 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 7:28:00 PM | R101602 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Surr: 1,2-Dichloroethane-d4 | 100 | 70-130 | | %Rec | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | | %Rec | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Surr: Dibromofluoromethane | 102 | 70-130 | | %Rec | 1 | 12/5/2023 7:28:00 PM | R101602 |
| Surr: Toluene-d8 | 92.7 | 70-130 | | %Rec | 1 | 12/5/2023 7:28:00 PM | R101602 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order 2311D99

Date Reported: 1/9/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-1

Project: Inex Pit

Collection Date: 11/28/2023 11:08:00 AM

Lab ID: 2311D99-002

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|---------|------|----------|-----|------------------------|---------------------|
| EPA 200.8: DISSOLVED METALS | | | | | | | Analyst: bcv |
| Antimony | ND | 0.0010 | | mg/L | 1 | 12/4/2023 2:02:20 PM | B101582 |
| Arsenic | 0.011 | 0.00050 | * | mg/L | 1 | 12/4/2023 2:02:20 PM | B101582 |
| Lead | ND | 0.00050 | | mg/L | 1 | 12/4/2023 2:02:20 PM | B101582 |
| Selenium | 0.0051 | 0.0010 | | mg/L | 1 | 12/4/2023 2:02:20 PM | B101582 |
| Thallium | ND | 0.00025 | | mg/L | 1 | 12/4/2023 2:02:20 PM | B101582 |
| Uranium | 0.0081 | 0.00050 | | mg/L | 1 | 12/4/2023 2:02:20 PM | B101582 |
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Fluoride | ND | 2.0 | | mg/L | 20 | 11/30/2023 6:23:30 PM | A101519 |
| Chloride | 4000 | 250 | * | mg/L | 500 | 12/11/2023 4:18:03 PM | R101762 |
| Bromide | 2.8 | 2.0 | | mg/L | 20 | 11/30/2023 6:23:30 PM | A101519 |
| Phosphorus, Orthophosphate (As P) | ND | 10 | H | mg/L | 20 | 11/30/2023 6:23:30 PM | A101519 |
| Sulfate | 890 | 250 | * | mg/L | 500 | 12/11/2023 4:18:03 PM | R101762 |
| Nitrate+Nitrite as N | ND | 2.0 | | mg/L | 10 | 12/15/2023 6:51:27 PM | R101873 |
| SM2510B: SPECIFIC CONDUCTANCE | | | | | | | Analyst: MCA |
| Conductivity | 16000 | 100 | D | µmhos/c | 10 | 12/12/2023 11:46:19 AM | R101791 |
| SM2320B: ALKALINITY | | | | | | | Analyst: MCA |
| Bicarbonate (As CaCO3) | 162.5 | 20.00 | | mg/L Ca | 1 | 12/4/2023 12:44:38 PM | R101594 |
| Carbonate (As CaCO3) | ND | 2.000 | | mg/L Ca | 1 | 12/4/2023 12:44:38 PM | R101594 |
| Total Alkalinity (as CaCO3) | 162.5 | 20.00 | | mg/L Ca | 1 | 12/4/2023 12:44:38 PM | R101594 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: KS |
| Total Dissolved Solids | 8940 | 50.0 | * | mg/L | 1 | 12/5/2023 6:41:00 PM | 79140 |
| SM4500-H+B / 9040C: PH | | | | | | | Analyst: MCA |
| pH | 7.25 | | H | pH units | 1 | 12/4/2023 12:44:38 PM | R101594 |
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Aluminum | 0.049 | 0.020 | | mg/L | 1 | 12/1/2023 12:39:47 PM | A101536 |
| Barium | 0.019 | 0.0030 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Beryllium | ND | 0.0020 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Boron | 0.071 | 0.040 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Cadmium | ND | 0.0020 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Calcium | 1000 | 20 | | mg/L | 20 | 11/30/2023 4:34:39 PM | A101505 |
| Chromium | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Cobalt | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Copper | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Iron | 0.027 | 0.020 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Magnesium | 360 | 10 | | mg/L | 10 | 11/30/2023 4:10:47 PM | A101505 |
| Manganese | 0.0023 | 0.0020 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Analytical Report

Lab Order **2311D99**

Date Reported: **1/9/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-1

Project: Inex Pit

Collection Date: 11/28/2023 11:08:00 AM

Lab ID: 2311D99-002

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Molybdenum | ND | 0.0080 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Nickel | ND | 0.010 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Potassium | 4.4 | 1.0 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Silver | 0.025 | 0.0050 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| Sodium | 1300 | 20 | | mg/L | 20 | 11/30/2023 4:34:39 PM | A101505 |
| Zinc | ND | 0.010 | | mg/L | 1 | 11/30/2023 3:19:26 PM | A101505 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: CCM |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 12/5/2023 7:53:00 PM | R101602 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 7:53:00 PM | R101602 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Surr: 1,2-Dichloroethane-d4 | 103 | 70-130 | | %Rec | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Surr: 4-Bromofluorobenzene | 101 | 70-130 | | %Rec | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Surr: Dibromofluoromethane | 103 | 70-130 | | %Rec | 1 | 12/5/2023 7:53:00 PM | R101602 |
| Surr: Toluene-d8 | 92.2 | 70-130 | | %Rec | 1 | 12/5/2023 7:53:00 PM | R101602 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Analytical Report

Lab Order 2311D99

Date Reported: 1/9/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-2

Project: Inex Pit

Collection Date: 11/28/2023 12:31:00 PM

Lab ID: 2311D99-003

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|---------|------|----------|-----|-----------------------|---------------------|
| EPA 200.8: DISSOLVED METALS | | | | | | | Analyst: bcv |
| Antimony | ND | 0.0010 | | mg/L | 1 | 12/4/2023 2:06:54 PM | B101582 |
| Arsenic | 0.0040 | 0.00050 | | mg/L | 1 | 12/4/2023 2:06:54 PM | B101582 |
| Lead | ND | 0.00050 | | mg/L | 1 | 12/4/2023 2:06:54 PM | B101582 |
| Selenium | 0.0058 | 0.0010 | | mg/L | 1 | 12/4/2023 2:06:54 PM | B101582 |
| Thallium | ND | 0.00025 | | mg/L | 1 | 12/4/2023 2:06:54 PM | B101582 |
| Uranium | 0.0064 | 0.00050 | | mg/L | 1 | 12/4/2023 2:06:54 PM | B101582 |
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Fluoride | ND | 2.0 | | mg/L | 20 | 11/30/2023 6:49:14 PM | A101519 |
| Chloride | 1300 | 50 | * | mg/L | 100 | 12/13/2023 2:10:37 PM | R101823 |
| Bromide | 0.67 | 0.10 | | mg/L | 1 | 11/30/2023 6:36:22 PM | A101519 |
| Phosphorus, Orthophosphate (As P) | ND | 0.50 | H | mg/L | 1 | 11/30/2023 6:36:22 PM | A101519 |
| Sulfate | 950 | 25 | * | mg/L | 50 | 12/11/2023 4:33:22 PM | R101762 |
| Nitrate+Nitrite as N | ND | 1.0 | | mg/L | 5 | 12/15/2023 7:04:19 PM | R101873 |
| SM2510B: SPECIFIC CONDUCTANCE | | | | | | | Analyst: MCA |
| Conductivity | 5100 | 10 | | µmhos/c | 1 | 12/4/2023 12:55:43 PM | R101594 |
| SM2320B: ALKALINITY | | | | | | | Analyst: MCA |
| Bicarbonate (As CaCO3) | 156.3 | 20.00 | | mg/L Ca | 1 | 12/4/2023 12:55:43 PM | R101594 |
| Carbonate (As CaCO3) | ND | 2.000 | | mg/L Ca | 1 | 12/4/2023 12:55:43 PM | R101594 |
| Total Alkalinity (as CaCO3) | 156.3 | 20.00 | | mg/L Ca | 1 | 12/4/2023 12:55:43 PM | R101594 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: KS |
| Total Dissolved Solids | 3940 | 50.0 | * | mg/L | 1 | 12/5/2023 6:41:00 PM | 79140 |
| SM4500-H+B / 9040C: PH | | | | | | | Analyst: MCA |
| pH | 7.29 | | H | pH units | 1 | 12/4/2023 12:55:43 PM | R101594 |
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Aluminum | 0.028 | 0.020 | | mg/L | 1 | 12/1/2023 12:43:42 PM | A101536 |
| Barium | 0.015 | 0.0030 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Beryllium | ND | 0.0020 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Boron | 0.079 | 0.040 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Cadmium | ND | 0.0020 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Calcium | 560 | 10 | | mg/L | 10 | 11/30/2023 4:13:53 PM | A101505 |
| Chromium | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Cobalt | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Copper | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Iron | ND | 0.020 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Magnesium | 200 | 10 | | mg/L | 10 | 11/30/2023 4:13:53 PM | A101505 |
| Manganese | ND | 0.0020 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2311D99**

Date Reported: **1/9/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-2

Project: Inex Pit

Collection Date: 11/28/2023 12:31:00 PM

Lab ID: 2311D99-003

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Molybdenum | ND | 0.0080 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Nickel | ND | 0.010 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Potassium | 2.7 | 1.0 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Silver | 0.018 | 0.0050 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| Sodium | 250 | 10 | | mg/L | 10 | 11/30/2023 4:13:53 PM | A101505 |
| Zinc | ND | 0.010 | | mg/L | 1 | 11/30/2023 3:23:17 PM | A101505 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: CCM |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 12/5/2023 8:17:00 PM | R101602 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 8:17:00 PM | R101602 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Surr: 1,2-Dichloroethane-d4 | 101 | 70-130 | | %Rec | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Surr: 4-Bromofluorobenzene | 103 | 70-130 | | %Rec | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Surr: Dibromofluoromethane | 102 | 70-130 | | %Rec | 1 | 12/5/2023 8:17:00 PM | R101602 |
| Surr: Toluene-d8 | 94.1 | 70-130 | | %Rec | 1 | 12/5/2023 8:17:00 PM | R101602 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Analytical Report

Lab Order 2311D99

Date Reported: 1/9/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-3

Project: Inex Pit

Collection Date: 11/28/2023 11:49:00 AM

Lab ID: 2311D99-004

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|---------|---------|------|----------|-----|------------------------|---------------------|
| EPA 200.8: DISSOLVED METALS | | | | | | | Analyst: bcv |
| Antimony | ND | 0.0010 | | mg/L | 1 | 12/4/2023 4:42:44 PM | D101582 |
| Arsenic | 0.063 | 0.0025 | * | mg/L | 5 | 12/4/2023 4:45:02 PM | D101582 |
| Lead | ND | 0.00050 | | mg/L | 1 | 12/4/2023 4:42:44 PM | D101582 |
| Selenium | 0.0069 | 0.0010 | | mg/L | 1 | 12/4/2023 4:42:44 PM | D101582 |
| Thallium | 0.00093 | 0.00025 | | mg/L | 1 | 12/4/2023 4:42:44 PM | D101582 |
| Uranium | 0.014 | 0.00050 | | mg/L | 1 | 12/4/2023 4:42:44 PM | D101582 |
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Fluoride | ND | 2.0 | | mg/L | 20 | 11/30/2023 7:14:57 PM | A101519 |
| Chloride | 25000 | 2500 | * | mg/L | 5E+ | 12/11/2023 4:58:39 PM | R101762 |
| Bromide | 13 | 2.0 | | mg/L | 20 | 11/30/2023 7:14:57 PM | A101519 |
| Phosphorus, Orthophosphate (As P) | ND | 10 | H | mg/L | 20 | 11/30/2023 7:14:57 PM | A101519 |
| Sulfate | 3000 | 50 | * | mg/L | 100 | 12/11/2023 4:45:48 PM | R101762 |
| Nitrate+Nitrite as N | ND | 20 | | mg/L | 100 | 12/11/2023 9:41:34 PM | R101762 |
| SM2510B: SPECIFIC CONDUCTANCE | | | | | | | Analyst: MCA |
| Conductivity | 88000 | 100 | D | µmhos/c | 10 | 12/12/2023 11:52:17 AM | R101791 |
| SM2320B: ALKALINITY | | | | | | | Analyst: MCA |
| Bicarbonate (As CaCO3) | 256.9 | 20.00 | | mg/L Ca | 1 | 12/4/2023 1:06:26 PM | R101594 |
| Carbonate (As CaCO3) | ND | 2.000 | | mg/L Ca | 1 | 12/4/2023 1:06:26 PM | R101594 |
| Total Alkalinity (as CaCO3) | 256.9 | 20.00 | | mg/L Ca | 1 | 12/4/2023 1:06:26 PM | R101594 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: KS |
| Total Dissolved Solids | 48100 | 250 | *D | mg/L | 1 | 12/5/2023 6:41:00 PM | 79140 |
| SM4500-H+B / 9040C: PH | | | | | | | Analyst: MCA |
| pH | 6.87 | | H | pH units | 1 | 12/4/2023 1:06:26 PM | R101594 |
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Aluminum | 0.18 | 0.10 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Barium | 0.048 | 0.015 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Beryllium | ND | 0.010 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Boron | 0.50 | 0.20 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Cadmium | ND | 0.010 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Calcium | 2200 | 50 | | mg/L | 50 | 12/1/2023 12:59:48 PM | A101536 |
| Chromium | ND | 0.030 | | mg/L | 5 | 12/1/2023 4:16:42 PM | B101536 |
| Cobalt | ND | 0.030 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Copper | ND | 0.030 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Iron | 0.062 | 0.020 | | mg/L | 1 | 11/30/2023 3:26:49 PM | A101505 |
| Magnesium | 770 | 10 | | mg/L | 10 | 11/30/2023 4:16:53 PM | A101505 |
| Manganese | 0.19 | 0.010 | * | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | | | |
|--------------------|-----|---|----|---|
| Qualifiers: | * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| | D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| | ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| | PQL | Practical Quantitative Limit | RL | Reporting Limit |
| | S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

Analytical Report

Lab Order **2311D99**

Date Reported: **1/9/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-3

Project: Inex Pit

Collection Date: 11/28/2023 11:49:00 AM

Lab ID: 2311D99-004

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|--------|------|-------|-----|-----------------------|---------------------|
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Molybdenum | ND | 0.040 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Nickel | ND | 0.050 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Potassium | 36 | 1.0 | | mg/L | 1 | 11/30/2023 3:26:49 PM | A101505 |
| Silver | 0.046 | 0.025 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| Sodium | 16000 | 500 | | mg/L | 500 | 12/1/2023 4:23:57 PM | B101536 |
| Zinc | ND | 0.050 | | mg/L | 5 | 12/1/2023 12:47:14 PM | A101536 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: CCM |
| Benzene | ND | 1.0 | P | µg/L | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Toluene | ND | 1.0 | P | µg/L | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Ethylbenzene | ND | 1.0 | P | µg/L | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Naphthalene | ND | 2.0 | P | µg/L | 1 | 12/5/2023 8:41:00 PM | R101602 |
| 1-Methylnaphthalene | ND | 4.0 | P | µg/L | 1 | 12/5/2023 8:41:00 PM | R101602 |
| 2-Methylnaphthalene | ND | 4.0 | P | µg/L | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Xylenes, Total | ND | 1.5 | P | µg/L | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Surr: 1,2-Dichloroethane-d4 | 107 | 70-130 | P | %Rec | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | P | %Rec | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Surr: Dibromofluoromethane | 100 | 70-130 | P | %Rec | 1 | 12/5/2023 8:41:00 PM | R101602 |
| Surr: Toluene-d8 | 92.8 | 70-130 | P | %Rec | 1 | 12/5/2023 8:41:00 PM | R101602 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Analytical Report

Lab Order 2311D99

Date Reported: 1/9/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-4

Project: Inex Pit

Collection Date: 11/28/2023 10:18:00 AM

Lab ID: 2311D99-005

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|--|--------|---------|------|----------|-----|------------------------|---------------------|
| EPA 200.8: DISSOLVED METALS | | | | | | | Analyst: bcv |
| Antimony | ND | 0.0010 | | mg/L | 1 | 12/4/2023 2:20:40 PM | B101582 |
| Arsenic | 0.037 | 0.00050 | * | mg/L | 1 | 12/4/2023 4:47:19 PM | D101582 |
| Lead | ND | 0.00050 | | mg/L | 1 | 12/4/2023 2:20:40 PM | B101582 |
| Selenium | 0.0037 | 0.0010 | | mg/L | 1 | 12/4/2023 4:47:19 PM | D101582 |
| Thallium | ND | 0.00025 | | mg/L | 1 | 12/4/2023 2:20:40 PM | B101582 |
| Uranium | 0.012 | 0.00050 | | mg/L | 1 | 12/4/2023 4:47:19 PM | D101582 |
| EPA METHOD 300.0: ANIONS | | | | | | | Analyst: SNS |
| Fluoride | ND | 2.0 | | mg/L | 20 | 11/30/2023 8:06:31 PM | A101519 |
| Chloride | 7600 | 500 | * | mg/L | 1E+ | 12/11/2023 5:50:07 PM | R101762 |
| Bromide | 4.0 | 2.0 | | mg/L | 20 | 11/30/2023 8:06:31 PM | A101519 |
| Phosphorus, Orthophosphate (As P) | ND | 10 | H | mg/L | 20 | 11/30/2023 8:06:31 PM | A101519 |
| Sulfate | 910 | 25 | * | mg/L | 50 | 12/11/2023 5:37:14 PM | R101762 |
| Nitrate+Nitrite as N | ND | 4.0 | | mg/L | 20 | 12/15/2023 7:17:12 PM | R101873 |
| SM2510B: SPECIFIC CONDUCTANCE | | | | | | | Analyst: MCA |
| Conductivity | 27000 | 100 | D | µmhos/c | 10 | 12/12/2023 11:55:14 AM | R101791 |
| SM2320B: ALKALINITY | | | | | | | Analyst: MCA |
| Bicarbonate (As CaCO3) | 185.5 | 20.00 | | mg/L Ca | 1 | 12/4/2023 1:22:08 PM | R101594 |
| Carbonate (As CaCO3) | ND | 2.000 | | mg/L Ca | 1 | 12/4/2023 1:22:08 PM | R101594 |
| Total Alkalinity (as CaCO3) | 185.5 | 20.00 | | mg/L Ca | 1 | 12/4/2023 1:22:08 PM | R101594 |
| SM2540C MOD: TOTAL DISSOLVED SOLIDS | | | | | | | Analyst: KS |
| Total Dissolved Solids | 15100 | 50.0 | * | mg/L | 1 | 12/5/2023 6:41:00 PM | 79140 |
| SM4500-H+B / 9040C: PH | | | | | | | Analyst: MCA |
| pH | 7.00 | | H | pH units | 1 | 12/4/2023 1:22:08 PM | R101594 |
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Aluminum | 0.050 | 0.020 | | mg/L | 1 | 12/1/2023 1:02:57 PM | A101536 |
| Barium | 0.035 | 0.0030 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Beryllium | ND | 0.0020 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Boron | 0.12 | 0.040 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Cadmium | ND | 0.0020 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Calcium | 1900 | 20 | | mg/L | 20 | 11/30/2023 4:44:23 PM | A101505 |
| Chromium | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Cobalt | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Copper | ND | 0.0060 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Iron | ND | 0.020 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Magnesium | 670 | 10 | | mg/L | 10 | 11/30/2023 4:28:44 PM | A101505 |
| Manganese | 0.0032 | 0.0020 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

Analytical Report

Lab Order 2311D99

Date Reported: 1/9/2024

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG

Client Sample ID: MW-4

Project: Inex Pit

Collection Date: 11/28/2023 10:18:00 AM

Lab ID: 2311D99-005

Matrix: AQUEOUS

Received Date: 11/30/2023 8:00:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|--------|--------|------|-------|----|-----------------------|---------------------|
| EPA METHOD 200.7: DISSOLVED METALS | | | | | | | Analyst: VP |
| Molybdenum | ND | 0.0080 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Nickel | ND | 0.010 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Potassium | 7.2 | 1.0 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Silver | 0.048 | 0.0050 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| Sodium | 2100 | 50 | | mg/L | 50 | 12/1/2023 1:07:02 PM | A101536 |
| Zinc | ND | 0.010 | | mg/L | 1 | 11/30/2023 3:30:58 PM | A101505 |
| EPA METHOD 8260B: VOLATILES SHORT LIST | | | | | | | Analyst: CCM |
| Benzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Toluene | ND | 1.0 | | µg/L | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Ethylbenzene | ND | 1.0 | | µg/L | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Naphthalene | ND | 2.0 | | µg/L | 1 | 12/5/2023 9:05:00 PM | R101602 |
| 1-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 9:05:00 PM | R101602 |
| 2-Methylnaphthalene | ND | 4.0 | | µg/L | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Xylenes, Total | ND | 1.5 | | µg/L | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Surr: 1,2-Dichloroethane-d4 | 104 | 70-130 | | %Rec | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Surr: 4-Bromofluorobenzene | 103 | 70-130 | | %Rec | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Surr: Dibromofluoromethane | 101 | 70-130 | | %Rec | 1 | 12/5/2023 9:05:00 PM | R101602 |
| Surr: Toluene-d8 | 91.6 | 70-130 | | %Rec | 1 | 12/5/2023 9:05:00 PM | R101602 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

| | | |
|--------------------|---|---|
| Qualifiers: | * Value exceeds Maximum Contaminant Level. | B Analyte detected in the associated Method Blank |
| | D Sample Diluted Due to Matrix | E Above Quantitation Range/Estimated Value |
| | H Holding times for preparation or analysis exceeded | J Analyte detected below quantitation limits |
| | ND Not Detected at the Reporting Limit | P Sample pH Not In Range |
| | PQL Practical Quantitative Limit | RL Reporting Limit |
| | S % Recovery outside of standard limits. If undiluted results may be estimated. | |

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| | | | | | | | | | | |
|------------------------|----------------------------------|---|--------------------|--|--|--|--|--|--|--|
| Sample ID: MB-A | SampType: MBLK | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | | |
| Client ID: PBW | Batch ID: A101505 | RunNo: 101505 | | | | | | | | |
| Prep Date: | Analysis Date: 11/30/2023 | SeqNo: 3736381 | Units: mg/L | | | | | | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|------------|--------|--------|-----------|-------------|------|----------|-----------|------|----------|------|
| Barium | ND | 0.0030 | | | | | | | | |
| Beryllium | ND | 0.0020 | | | | | | | | |
| Boron | ND | 0.040 | | | | | | | | |
| Cadmium | ND | 0.0020 | | | | | | | | |
| Calcium | ND | 1.0 | | | | | | | | |
| Chromium | ND | 0.0060 | | | | | | | | |
| Cobalt | ND | 0.0060 | | | | | | | | |
| Copper | ND | 0.0060 | | | | | | | | |
| Iron | ND | 0.020 | | | | | | | | |
| Magnesium | ND | 1.0 | | | | | | | | |
| Manganese | ND | 0.0020 | | | | | | | | |
| Molybdenum | ND | 0.0080 | | | | | | | | |
| Nickel | ND | 0.010 | | | | | | | | |
| Potassium | ND | 1.0 | | | | | | | | |
| Silver | ND | 0.0050 | | | | | | | | |
| Sodium | ND | 1.0 | | | | | | | | |
| Zinc | ND | 0.010 | | | | | | | | |

| | | | | | | | | | | |
|-------------------------|----------------------------------|---|--------------------|--|--|--|--|--|--|--|
| Sample ID: LCS-A | SampType: LCS | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | | |
| Client ID: LCSW | Batch ID: A101505 | RunNo: 101505 | | | | | | | | |
| Prep Date: | Analysis Date: 11/30/2023 | SeqNo: 3736383 | Units: mg/L | | | | | | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|------------|--------|--------|-----------|-------------|------|----------|-----------|------|----------|------|
| Barium | 0.51 | 0.0030 | 0.5000 | 0 | 101 | 85 | 115 | | | |
| Beryllium | 0.51 | 0.0020 | 0.5000 | 0 | 102 | 85 | 115 | | | |
| Boron | 0.50 | 0.040 | 0.5000 | 0 | 101 | 85 | 115 | | | |
| Cadmium | 0.50 | 0.0020 | 0.5000 | 0 | 101 | 85 | 115 | | | |
| Chromium | 0.51 | 0.0060 | 0.5000 | 0 | 102 | 85 | 115 | | | |
| Cobalt | 0.51 | 0.0060 | 0.5000 | 0 | 102 | 85 | 115 | | | |
| Copper | 0.51 | 0.0060 | 0.5000 | 0 | 102 | 85 | 115 | | | |
| Iron | 0.52 | 0.020 | 0.5000 | 0 | 103 | 85 | 115 | | | |
| Manganese | 0.51 | 0.0020 | 0.5000 | 0 | 102 | 85 | 115 | | | |
| Molybdenum | 0.50 | 0.0080 | 0.5000 | 0 | 99.7 | 85 | 115 | | | |
| Nickel | 0.51 | 0.010 | 0.5000 | 0 | 102 | 85 | 115 | | | |
| Silver | 0.50 | 0.0050 | 0.5000 | 0 | 100 | 85 | 115 | | | |
| Zinc | 0.51 | 0.010 | 0.5000 | 0 | 102 | 85 | 115 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: LCS_CAT-A | SampType: LCS | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | | |
|-----------------------------|----------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A101505 | RunNo: 101505 | | | | | | | | |
| Prep Date: | Analysis Date: 11/30/2023 | SeqNo: 3736384 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Calcium | 50 | 1.0 | 50.00 | 0 | 99.3 | 85 | 115 | | | |
| Magnesium | 50 | 1.0 | 50.00 | 0 | 99.4 | 85 | 115 | | | |
| Potassium | 49 | 1.0 | 50.00 | 0 | 97.4 | 85 | 115 | | | |
| Sodium | 49 | 1.0 | 50.00 | 0 | 97.9 | 85 | 115 | | | |

| Sample ID: MB-A | SampType: MBLK | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | | |
|------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: A101536 | RunNo: 101536 | | | | | | | | |
| Prep Date: | Analysis Date: 12/1/2023 | SeqNo: 3738260 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Aluminum | ND | 0.020 | | | | | | | | |
| Barium | ND | 0.0030 | | | | | | | | |
| Beryllium | ND | 0.0020 | | | | | | | | |
| Boron | ND | 0.040 | | | | | | | | |
| Cadmium | ND | 0.0020 | | | | | | | | |
| Calcium | ND | 1.0 | | | | | | | | |
| Cobalt | ND | 0.0060 | | | | | | | | |
| Copper | ND | 0.0060 | | | | | | | | |
| Manganese | ND | 0.0020 | | | | | | | | |
| Molybdenum | ND | 0.0080 | | | | | | | | |
| Nickel | ND | 0.010 | | | | | | | | |
| Silver | ND | 0.0050 | | | | | | | | |
| Sodium | ND | 1.0 | | | | | | | | |
| Zinc | ND | 0.010 | | | | | | | | |

| Sample ID: LCS-A | SampType: LCS | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | | |
|-------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A101536 | RunNo: 101536 | | | | | | | | |
| Prep Date: | Analysis Date: 12/1/2023 | SeqNo: 3738262 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Aluminum | 0.52 | 0.020 | 0.5000 | 0 | 104 | 85 | 115 | | | |
| Barium | 0.52 | 0.0030 | 0.5000 | 0 | 105 | 85 | 115 | | | |
| Beryllium | 0.52 | 0.0020 | 0.5000 | 0 | 104 | 85 | 115 | | | |
| Boron | 0.52 | 0.040 | 0.5000 | 0 | 105 | 85 | 115 | | | |
| Cadmium | 0.53 | 0.0020 | 0.5000 | 0 | 106 | 85 | 115 | | | |
| Cobalt | 0.54 | 0.0060 | 0.5000 | 0 | 108 | 85 | 115 | | | |
| Copper | 0.52 | 0.0060 | 0.5000 | 0 | 104 | 85 | 115 | | | |
| Manganese | 0.53 | 0.0020 | 0.5000 | 0 | 105 | 85 | 115 | | | |
| Molybdenum | 0.52 | 0.0080 | 0.5000 | 0 | 104 | 85 | 115 | | | |
| Nickel | 0.54 | 0.010 | 0.5000 | 0 | 107 | 85 | 115 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: LCS-A | SampType: LCS | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|-------------------------|---------------------------------|--------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A101536 | | RunNo: 101536 | | | | | | | |
| Prep Date: | Analysis Date: 12/1/2023 | | SeqNo: 3738262 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Silver | 0.50 | 0.0050 | 0.5000 | 0 | 99.2 | 85 | 115 | | | |
| Zinc | 0.53 | 0.010 | 0.5000 | 0 | 106 | 85 | 115 | | | |

| Sample ID: LCS_CAT-A | SampType: LCS | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A101536 | | RunNo: 101536 | | | | | | | |
| Prep Date: | Analysis Date: 12/1/2023 | | SeqNo: 3738263 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Calcium | 49 | 1.0 | 50.00 | 0 | 98.5 | 85 | 115 | | | |
| Sodium | 48 | 1.0 | 50.00 | 0 | 95.7 | 85 | 115 | | | |

| Sample ID: MB-B | SampType: MBLK | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|------------------------|---------------------------------|--------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: B101536 | | RunNo: 101536 | | | | | | | |
| Prep Date: | Analysis Date: 12/1/2023 | | SeqNo: 3738606 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chromium | ND | 0.0060 | | | | | | | | |
| Sodium | ND | 1.0 | | | | | | | | |

| Sample ID: LCS-B | SampType: LCS | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|-------------------------|---------------------------------|--------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: B101536 | | RunNo: 101536 | | | | | | | |
| Prep Date: | Analysis Date: 12/1/2023 | | SeqNo: 3738608 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chromium | 0.48 | 0.0060 | 0.5000 | 0 | 96.9 | 85 | 115 | | | |

| Sample ID: LCS_CAT-B | SampType: LCS | | TestCode: EPA Method 200.7: Dissolved Metals | | | | | | | |
|-----------------------------|---------------------------------|-----|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: B101536 | | RunNo: 101536 | | | | | | | |
| Prep Date: | Analysis Date: 12/1/2023 | | SeqNo: 3738614 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Sodium | 50 | 1.0 | 50.00 | 0 | 99.7 | 85 | 115 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: MB | SampType: MBLK | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|-----------------------|---------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: D101582 | RunNo: 101582 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3740702 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | ND | 0.0010 | | | | | | | | |
| Arsenic | ND | 0.00050 | | | | | | | | |
| Lead | ND | 0.00050 | | | | | | | | |
| Selenium | ND | 0.0010 | | | | | | | | |
| Thallium | ND | 0.00025 | | | | | | | | |
| Uranium | ND | 0.00050 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|------------------------|---------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: D101582 | RunNo: 101582 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3740704 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | 0.024 | 0.0010 | 0.02500 | 0 | 97.1 | 85 | 115 | | | |
| Arsenic | 0.025 | 0.00050 | 0.02500 | 0 | 99.0 | 85 | 115 | | | |
| Lead | 0.013 | 0.00050 | 0.01250 | 0 | 100 | 85 | 115 | | | |
| Selenium | 0.024 | 0.0010 | 0.02500 | 0 | 97.3 | 85 | 115 | | | |
| Thallium | 0.012 | 0.00025 | 0.01250 | 0 | 99.7 | 85 | 115 | | | |
| Uranium | 0.012 | 0.00050 | 0.01250 | 0 | 99.3 | 85 | 115 | | | |

| Sample ID: MB | SampType: MBLK | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|-----------------------|---------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: B101582 | RunNo: 101582 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3740753 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | ND | 0.0010 | | | | | | | | |
| Arsenic | ND | 0.00050 | | | | | | | | |
| Lead | ND | 0.00050 | | | | | | | | |
| Selenium | ND | 0.0010 | | | | | | | | |
| Thallium | ND | 0.00025 | | | | | | | | |
| Uranium | ND | 0.00050 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | TestCode: EPA 200.8: Dissolved Metals | | | | | | | | |
|------------------------|---------------------------------|--|-----------|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: B101582 | RunNo: 101582 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3740755 | | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Antimony | 0.024 | 0.0010 | 0.02500 | 0 | 96.8 | 85 | 115 | | | |
| Arsenic | 0.025 | 0.00050 | 0.02500 | 0 | 99.3 | 85 | 115 | | | |
| Lead | 0.012 | 0.00050 | 0.01250 | 0 | 95.7 | 85 | 115 | | | |
| Selenium | 0.024 | 0.0010 | 0.02500 | 0 | 96.8 | 85 | 115 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: LCS | SampType: LCS | | TestCode: EPA 200.8: Dissolved Metals | | | | | | | |
|------------------------|---------------------------------|---------|--|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: B101582 | | RunNo: 101582 | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | | SeqNo: 3740755 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Thallium | 0.012 | 0.00025 | 0.01250 | 0 | 96.1 | 85 | 115 | | | |
| Uranium | 0.012 | 0.00050 | 0.01250 | 0 | 98.1 | 85 | 115 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: MB | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|----------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: A101519 | RunNo: 101519 | | | | | | | | |
| Prep Date: | Analysis Date: 11/30/2023 | SeqNo: 3736939 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|-----------------------------------|----|------|--|--|--|--|--|--|--|--|
| Fluoride | ND | 0.10 | | | | | | | | |
| Bromide | ND | 0.10 | | | | | | | | |
| Phosphorus, Orthophosphate (As P) | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|----------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: A101519 | RunNo: 101519 | | | | | | | | |
| Prep Date: | Analysis Date: 11/30/2023 | SeqNo: 3736940 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|-----------------------------------|------|------|--------|---|------|----|-----|--|--|--|
| Fluoride | 0.53 | 0.10 | 0.5000 | 0 | 106 | 90 | 110 | | | |
| Bromide | 2.4 | 0.10 | 2.500 | 0 | 97.4 | 90 | 110 | | | |
| Phosphorus, Orthophosphate (As P) | 4.8 | 0.50 | 5.000 | 0 | 95.9 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|----------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101762 | RunNo: 101762 | | | | | | | | |
| Prep Date: | Analysis Date: 12/11/2023 | SeqNo: 3750427 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|----------------------|----|------|--|--|--|--|--|--|--|--|
| Chloride | ND | 0.50 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|------------------------|----------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101762 | RunNo: 101762 | | | | | | | | |
| Prep Date: | Analysis Date: 12/11/2023 | SeqNo: 3750428 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|----------------------|-----|------|-------|---|------|----|-----|--|--|--|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.9 | 90 | 110 | | | |
| Sulfate | 9.9 | 0.50 | 10.00 | 0 | 99.0 | 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.5 | 0.20 | 3.500 | 0 | 98.9 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | TestCode: EPA Method 300.0: Anions | | | | | | | | |
|-----------------------|----------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101762 | RunNo: 101762 | | | | | | | | |
| Prep Date: | Analysis Date: 12/12/2023 | SeqNo: 3750548 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |

| | | | | | | | | | | |
|----------------------|----|------|--|--|--|--|--|--|--|--|
| Chloride | ND | 0.50 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: LCS | SampType: LCS | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|------------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101762 | | RunNo: 101762 | | | | | | | |
| Prep Date: | Analysis Date: 12/12/2023 | | SeqNo: 3750550 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.7 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.4 | 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.5 | 0.20 | 3.500 | 0 | 98.6 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101823 | | RunNo: 101823 | | | | | | | |
| Prep Date: | Analysis Date: 12/13/2023 | | SeqNo: 3753896 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | ND | 0.50 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|------------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101823 | | RunNo: 101823 | | | | | | | |
| Prep Date: | Analysis Date: 12/13/2023 | | SeqNo: 3753897 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.5 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101873 | | RunNo: 101873 | | | | | | | |
| Prep Date: | Analysis Date: 12/15/2023 | | SeqNo: 3756389 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|------------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101873 | | RunNo: 101873 | | | | | | | |
| Prep Date: | Analysis Date: 12/15/2023 | | SeqNo: 3756390 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | 3.6 | 0.20 | 3.500 | 0 | 102 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101873 | | RunNo: 101873 | | | | | | | |
| Prep Date: | Analysis Date: 12/15/2023 | | SeqNo: 3756424 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: LCS | SampType: LCS | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|------------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101873 | | RunNo: 101873 | | | | | | | |
| Prep Date: | Analysis Date: 12/15/2023 | | SeqNo: 3756425 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | 3.5 | 0.20 | 3.500 | 0 | 101 | 90 | 110 | | | |

| Sample ID: MB | SampType: MBLK | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|-----------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101873 | | RunNo: 101873 | | | | | | | |
| Prep Date: | Analysis Date: 12/15/2023 | | SeqNo: 3756452 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: LCS | SampType: LCS | | TestCode: EPA Method 300.0: Anions | | | | | | | |
|------------------------|----------------------------------|------|---|-------------|--------------------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101873 | | RunNo: 101873 | | | | | | | |
| Prep Date: | Analysis Date: 12/15/2023 | | SeqNo: 3756453 | | Units: mg/L | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrate+Nitrite as N | 3.6 | 0.20 | 3.500 | 0 | 102 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: 100ng lcs 3 | SampType: LCS | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-------------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101602 | RunNo: 101602 | | | | | | | | |
| Prep Date: | Analysis Date: 12/5/2023 | SeqNo: 3742765 | Units: µg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | 20 | 1.0 | 20.00 | 0 | 98.8 | 70 | 130 | | | |
| Toluene | 19 | 1.0 | 20.00 | 0 | 94.3 | 70 | 130 | | | |
| Surr: 1,2-Dichloroethane-d4 | 10 | | 10.00 | | 101 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 103 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 102 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.4 | | 10.00 | | 94.0 | 70 | 130 | | | |

| Sample ID: mb 3 | SampType: MBLK | TestCode: EPA Method 8260B: Volatiles Short List | | | | | | | | |
|-----------------------------|---------------------------------|---|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101602 | RunNo: 101602 | | | | | | | | |
| Prep Date: | Analysis Date: 12/5/2023 | SeqNo: 3742766 | Units: µg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Naphthalene | ND | 2.0 | | | | | | | | |
| 1-Methylnaphthalene | ND | 4.0 | | | | | | | | |
| 2-Methylnaphthalene | ND | 4.0 | | | | | | | | |
| Xylenes, Total | ND | 1.5 | | | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | 9.9 | | 10.00 | | 98.6 | 70 | 130 | | | |
| Surr: 4-Bromofluorobenzene | 10 | | 10.00 | | 103 | 70 | 130 | | | |
| Surr: Dibromofluoromethane | 10 | | 10.00 | | 100 | 70 | 130 | | | |
| Surr: Toluene-d8 | 9.3 | | 10.00 | | 92.8 | 70 | 130 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: LCS-1 98.9uS eC | SampType: LCS | TestCode: SM2510B: Specific Conductance | | | | | | | | |
|-----------------------------------|---------------------------------|--|------------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101594 | RunNo: 101594 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3741431 | Units: µmhos/cm | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Conductivity | 100 | 10 | 98.90 | 0 | 102 | 85 | 115 | | | |

| Sample ID: LCS-1 98.9uS eC | SampType: LCS | TestCode: SM2510B: Specific Conductance | | | | | | | | |
|-----------------------------------|----------------------------------|--|------------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101791 | RunNo: 101791 | | | | | | | | |
| Prep Date: | Analysis Date: 12/12/2023 | SeqNo: 3751696 | Units: µmhos/cm | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Conductivity | 96 | 10 | 98.90 | 0 | 97.2 | 85 | 115 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: MB-1 Aik | SampType: MBLK | TestCode: SM2320B: Alkalinity | | | | | | | | |
|-----------------------------|---------------------------------|--------------------------------------|--------------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101594 | RunNo: 101594 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3741561 | Units: mg/L CaCO3 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Alkalinity (as CaCO3) | ND | 20.00 | | | | | | | | |

| Sample ID: LCS-1 Aik | SampType: ics | TestCode: SM2320B: Alkalinity | | | | | | | | |
|-----------------------------|---------------------------------|--------------------------------------|--------------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101594 | RunNo: 101594 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3741573 | Units: mg/L CaCO3 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Alkalinity (as CaCO3) | 77.76 | 20.00 | 80.00 | 0 | 97.2 | 90 | 110 | | | |

| Sample ID: MBLK-2 | SampType: mblk | TestCode: SM2320B: Alkalinity | | | | | | | | |
|-----------------------------|---------------------------------|--------------------------------------|--------------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: R101594 | RunNo: 101594 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3741585 | Units: mg/L CaCO3 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Alkalinity (as CaCO3) | ND | 20.00 | | | | | | | | |

| Sample ID: LCS-2 | SampType: ics | TestCode: SM2320B: Alkalinity | | | | | | | | |
|-----------------------------|---------------------------------|--------------------------------------|--------------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: R101594 | RunNo: 101594 | | | | | | | | |
| Prep Date: | Analysis Date: 12/4/2023 | SeqNo: 3741586 | Units: mg/L CaCO3 | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Alkalinity (as CaCO3) | 77.92 | 20.00 | 80.00 | 0 | 97.4 | 90 | 110 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2311D99

09-Jan-24

Client: EOG
Project: Inex Pit

| Sample ID: MB-79140 | SampType: MBLK | TestCode: SM2540C MOD: Total Dissolved Solids | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: PBW | Batch ID: 79140 | RunNo: 101609 | | | | | | | | |
| Prep Date: 12/4/2023 | Analysis Date: 12/5/2023 | SeqNo: 3742039 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: LCS-79140 | SampType: LCS | TestCode: SM2540C MOD: Total Dissolved Solids | | | | | | | | |
|-----------------------------|---------------------------------|--|--------------------|-------------|------|----------|-----------|------|----------|------|
| Client ID: LCSW | Batch ID: 79140 | RunNo: 101609 | | | | | | | | |
| Prep Date: 12/4/2023 | Analysis Date: 12/5/2023 | SeqNo: 3742040 | Units: mg/L | | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Total Dissolved Solids | 1080 | 50.0 | 1000 | 0 | 108 | 80 | 120 | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit



Environment Testin

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: EOG Work Order Number: 2311D99 RcptNo: 1
Received By: Tracy Casarrubias 11/30/2023 8:00:00 AM
Completed By: Tracy Casarrubias 11/30/2023 9:53:31 AM
Reviewed By: *TC 11/30/23*

Chain of Custody

- 1. Is Chain of Custody complete? Yes No Not Present
- 2. How was the sample delivered? Courier

Log In

- 3. Was an attempt made to cool the samples? Yes No NA
- 4. Were all samples received at a temperature of >0° C to 6.0°C Yes No NA
- 5. Sample(s) in proper container(s)? Yes No
- 6. Sufficient sample volume for indicated test(s)? Yes No
- 7. Are samples (except VOA and ONG) properly preserved? Yes No
- 8. Was preservative added to bottles? Yes No NA
- 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA
- 10. Were any sample containers received broken? Yes No
- 11. Does paperwork match bottle labels? Yes No
(Note discrepancies on chain of custody)
- 12. Are matrices correctly identified on Chain of Custody? Yes No
- 13. Is it clear what analyses were requested? Yes No
- 14. Were all holding times able to be met? Yes No
(If no, notify customer for authorization.)

of preserved bottles checked for pH: *8*
(2 or >12 unless noted)
Adjusted? *NO*
Checked by: *SCM 11/30/23*

Special Handling (if applicable)

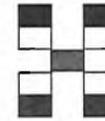
- 15. Was client notified of all discrepancies with this order? Yes No NA

Person Notified: Erin C. Date: 11/30/23
By Whom: Tracy Casarrubias Via: eMail Phone Fax In Person
Regarding: Time discrepancy.
Client Instructions: Going with the corresponding times as stated on COC per Erin C. - TMC 11/30/23

16. Additional remarks:

17. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 1.3 | Good | Yes | Morty | | |



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Chain-of-Custody Record

Client: EOG-Artesia / Ranger Env.

Turn-Around Time:

Standard Rush 5 Day

Project Name: INEX PIT

Mailing Address: EOG - 105 S 4th St, Artesia NM, 88210

Ranger: PO Box 201179, Austin TX 78720

Project #: 5375

Phone #: 521-335-1785

email or Fax#: Will@RangerEnv.com

Project Manager: W. Kierdorf

QA/QC Package:

Standard Level 4 (Full Validation)

Accreditation: Az Compliance

NELAC Other _____

EDD (Type) Excel

Sampler: W. KIERDORF

On Ice: Yes No marty

of Coolers: 1

Cooler Temp (including CF): 1.2 + 0.1 = 1.3

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Analysis Request | | | | | | | | | | | | | | | |
|----------|------|--------|-------------|----------------------|-------------------|----------|------------------|----------------------------|--------------------|-------------------|----------------------|----------------|-----|----|---------------|--|--|--|--|--|--|--|
| | | | | | | | BTEX (8021) | TPH:8015D(GRO / DRO / MRO) | Chloride (EPA 300) | BTEX NAPHTHALENES | WGL DISSOLVED METALS | CATIONS ANIONS | TDS | PM | SP CONDUCANCE | | | | | | | |
| 11/28/23 | — | AR | TRIP BLANK | 2x HCL VOA'S | MCL | 001 | | | | | X | | | | | | | | | | | |
| 11/28/23 | 1108 | AR | MW-1 | 5* | SEE NOTES | 002 | | | | X | X | X | X | X | X | | | | | | | |
| 11/28/23 | 1231 | AR | MW-2 | 5* | | 003 | | | | | | | | | | | | | | | | |
| 11/28/23 | 1149 | AR | MW-3 | 5* | | 004 | | | | | | | | | | | | | | | | |
| 11/28/23 | 1018 | AR | MW-4 | 5* | | 005 | | | | | | | | | | | | | | | | |

| | | | | | | | |
|----------------|------------|-------------------------------------|---------------------------------|---------------------|----------------|------------|---|
| Date: 11/29/23 | Time: 0709 | Relinquished by: <u>[Signature]</u> | Received by: <u>[Signature]</u> | Via: <u>carrier</u> | Date: 11/29/23 | Time: 0709 | Remarks: Bill to EOG Artesia *CONTAINER TYPES: 3x 40ml VOAs MCL 1x 500 ml PLASTIC NON PRESV 1x 125 ml PLASTIC (M2504) + 1x 125ml PLASTIC (M202) |
| Date: 11/29/23 | Time: 1900 | Relinquished by: <u>[Signature]</u> | Received by: <u>[Signature]</u> | Via: <u>carrier</u> | Date: 11/30/23 | Time: 8:00 | |

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 noted on the analytical report.

ATTACHMENT 3 – NMOCD CORRESPONDENCE

From: Wells, Shelly, EMNRD <Shelly.Wells@emnrd.nm.gov>
Sent: Tuesday, November 27, 2023 12:14 PM
Received by OCD: 4/3/2024 12:14:09 PM

To: Miriam Morales <Miriam.Morales@eogresources.com>; Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>
Cc: Artesia Regulatory <Artesia.Regulatory@eogresources.com>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] Inex Pit (NAUTOFAB000275) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Miriam,

The OCD has received your notification. Include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thank you,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
<http://www.emnrd.state.nm.us/OCD/>

From: Miriam Morales <Miriam.Morales@eogresources.com>
Sent: Tuesday, November 21, 2023 9:10 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>; Velez, Nelson, EMNRD <Nelson.Velez@emnrd.nm.gov>; Buchanan, Michael, EMNRD <Michael.Buchanan@emnrd.nm.gov>
Cc: Artesia S&E Spill Remediation <Artesia.S&E.Spill.Remediation@eogresources.com>; Artesia Regulatory <Artesia.Regulatory@eogresources.com>
Subject: [EXTERNAL] Inex Pit (NAUTOFAB000275) Sampling Notification

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location. (Due to the holiday this week, this is going out early)

Inex Pit
F-26-18S-26E
Eddy County, NM
NAUTOFAB000275

Sampling will begin at 8:00 a.m. on Tuesday, November 28, 2023.

Thank you,

Miriam Morales

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 329531

CONDITIONS

| | |
|---|--|
| Operator: EOG RESOURCES INC 5509 Champions Drive Midland, TX 79706 | OGRID: 7377 |
| | Action Number: 329531 |
| | Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------------|--|----------------|
| michael.buchanan | Review of the Inex Pit (AP-24) Annual Groundwater Monitoring Report (02/23/2024): accepted for the record and the Inex Pit is currently under review; a meeting with EOG is in the process of being schedule to discuss path forward for a proposed work plan. | 9/20/2024 |