



PROPOSED SITE ASSESSMENT PLAN

**MCCULLAR PROPERTY
SECTION 16, TOWNSHIP 16S, RANGE 26E
EDDY COUNTY, NEW MEXICO
32.920457, -104.394299
RANGER REFERENCE NO. 5375**

PREPARED FOR:

**EOG RESOURCES, INC.
ARTESIA DIVISION
105 S 4TH STREET
ARTESIA, NEW MEXICO 88210**

PREPARED BY:

**RANGER ENVIRONMENTAL SERVICES, INC.
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MAY 11, 2021

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1.0 SITE LOCATION AND BACKGROUND

The McCullar Property (Site) is located approximately 5.4 miles north of Artesia within Eddy County, New Mexico. The facility is situated in Section 16, T16S-R26E at GPS coordinates 32.920457, -104.394299.

Based on information provided to Ranger, it is believed that soil associated with the remediation of a produced water release may have been brought to the property by a third party. The available information indicates that the soil was placed to the south and southeast of a horse stable/pen area located on the subject property. Reports indicate that the soil was potentially deposited to a maximum depth of approximately three feet to level off areas.

EOG Resources, Inc. (EOG) has engaged Ranger Environmental Services, Inc. (Ranger) to assist in assessment of the Site. The following proposed work plan has been prepared to assess the soil conditions at the Site and determine if remedial actions are necessary.

Topographic and area maps depicting the site location are attached.

2.0 SITE ASSESSMENT

2.1 Proposed Assessment Sampling Plan

In order to assess soil conditions in the noted areas, it is proposed that assessment sampling be conducted in accordance with NMAC 19.15.29.12 by the collection of five-part composite soil samples, with each sample being representative of no more than 200 square feet.

In order to assess the subject areas and immediately surrounding areas a proposed total of 39 approximately 200 square foot areas will be assessed. Within each approximate 200 foot square area, a total of five composite soil samples will be collected for laboratory analysis. The composite soil samples will be collected at the ground surface and at one foot depth intervals to a maximum depth of approximately four feet bgl. The samples will be comprised of five equal parts of soil from five separate locations within each sample area and at each target sample depth interval (ground surface and at one foot, two feet, three feet, and four feet bgl).

Due to the presence of the structures at the location, assessment using earth moving equipment is not possible; thus, the assessment sampling will be completed using hand augers. Within each proposed sample area, five randomly selected individual hand auger borings will be completed to

a depth of three feet below ground level (bgl). From each boring, soils will be collected from the ground surface and at one foot intervals to a maximum depth of approximately four feet bgl. Upon collection, the five sample parts will be placed in a new, one gallon Ziploc® bag and thoroughly mixed, and a composite sample will be collected from the mixture for laboratory analysis. Upon completion of the sampling process, the boring locations will be backfilled utilizing the generated soil.

The soil samples will be submitted to a NELAP accredited laboratory for analysis of total petroleum hydrocarbons (TPH) using EPA Method 8015, benzene, toluene, ethylbenzene and xylenes (BTEX) using EPA Method 8021, and total chloride using EPA Method 300. The samples will be collected and managed using standard QA/QC and chain-of-custody procedures.

A Proposed Assessment Map depicting the proposed approximate 200 square foot sample areas is attached.

2.2 Regulatory Closure Criteria

Due to the depth of investigation and the proposed assessment activities, the soil sample laboratory analytical results will be compared to the Restoration, Reclamation and Re-Vegetation criteria (19.15.29.13 NMAC) / Table 1 19.15.29.12 NMAC (groundwater ≤50 feet) criteria. The proposed criteria is detailed below:

REGULATORY STANDARD	CHLORIDE	TPH (GRO+DRO +MRO)	BTEX	BENZENE
19.15.29.12 NMAC Table 1 Closure Criteria for Soils Impacted by a Release (GW ≤50') & 19.15.29.13 NMAC Restoration, Reclamation and Re-Vegetation (Soils 0'-4')	600	100	50	10

All Values Presented In Parts Per Million (mg/Kg)

3.0 ASSESSMENT RESULTS

Upon receipt and review of the soil sample laboratory analytical reports, the NMOCD will be provided with a status update for the Site. If the soil sample results indicate that soil conditions are at or below the referenced regulatory criteria, site closure will be requested in accordance with 19.15.29.12 NMAC. In the event that soil conditions are documented to be in exceedance of the referenced regulatory criteria, a proposed remediation and/or additional assessment plan will be completed and submitted for approval.

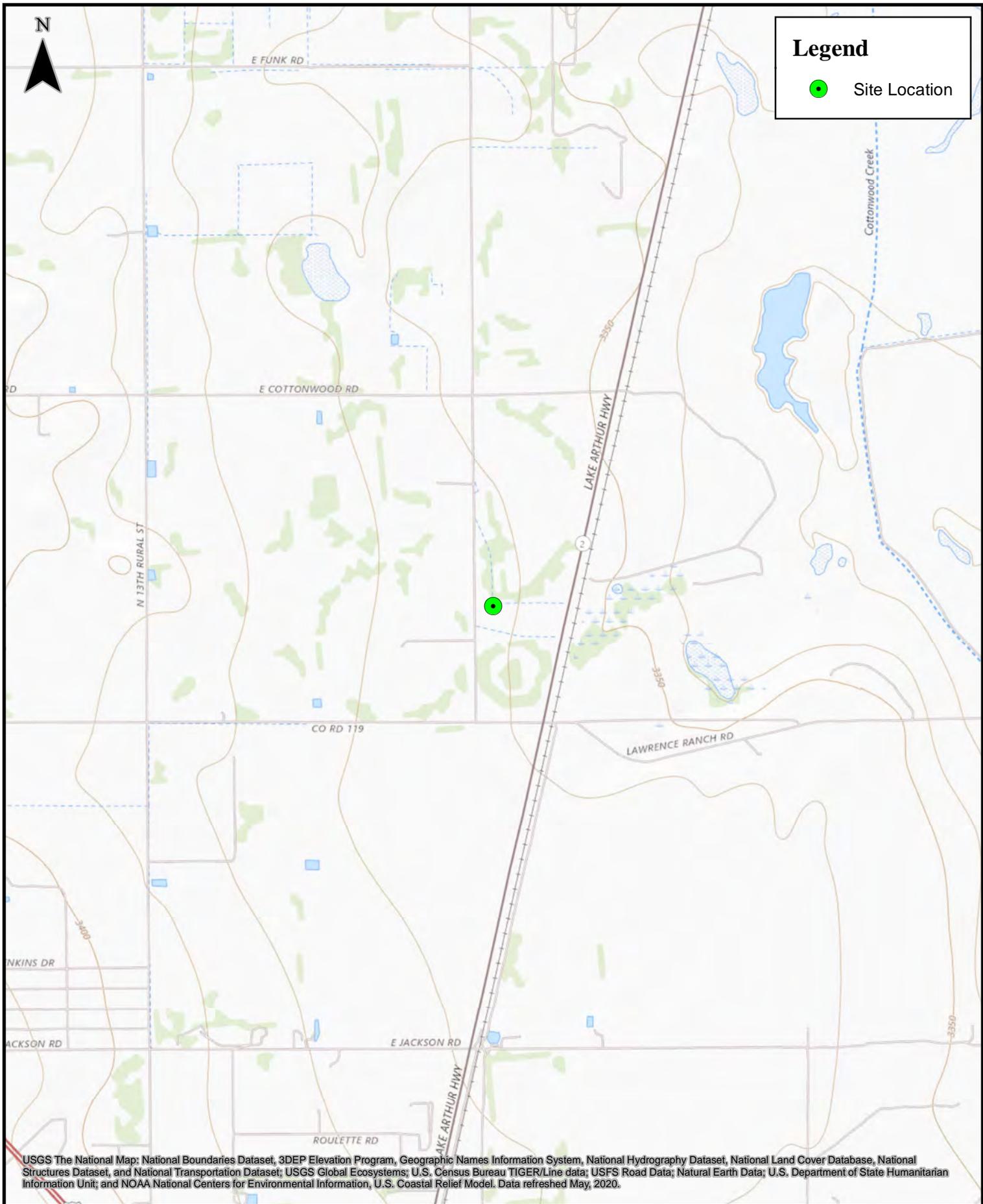
Due to the nature of the proposed assessment activities and the proposed usage of the most stringent Table 1 19.15.29.12 NMAC closure criteria, Site Characterization information has not been included in this report. Based on the findings of the proposed assessment activities, full Site Characterization information will be included in the subsequent site closure request or additional work plan proposal.

ATTACHMENT 1 - FIGURES

FIGURE 1 – Topographic Map

FIGURE 2 – Area Map

FIGURE 3 – Proposed Assessment Map



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.



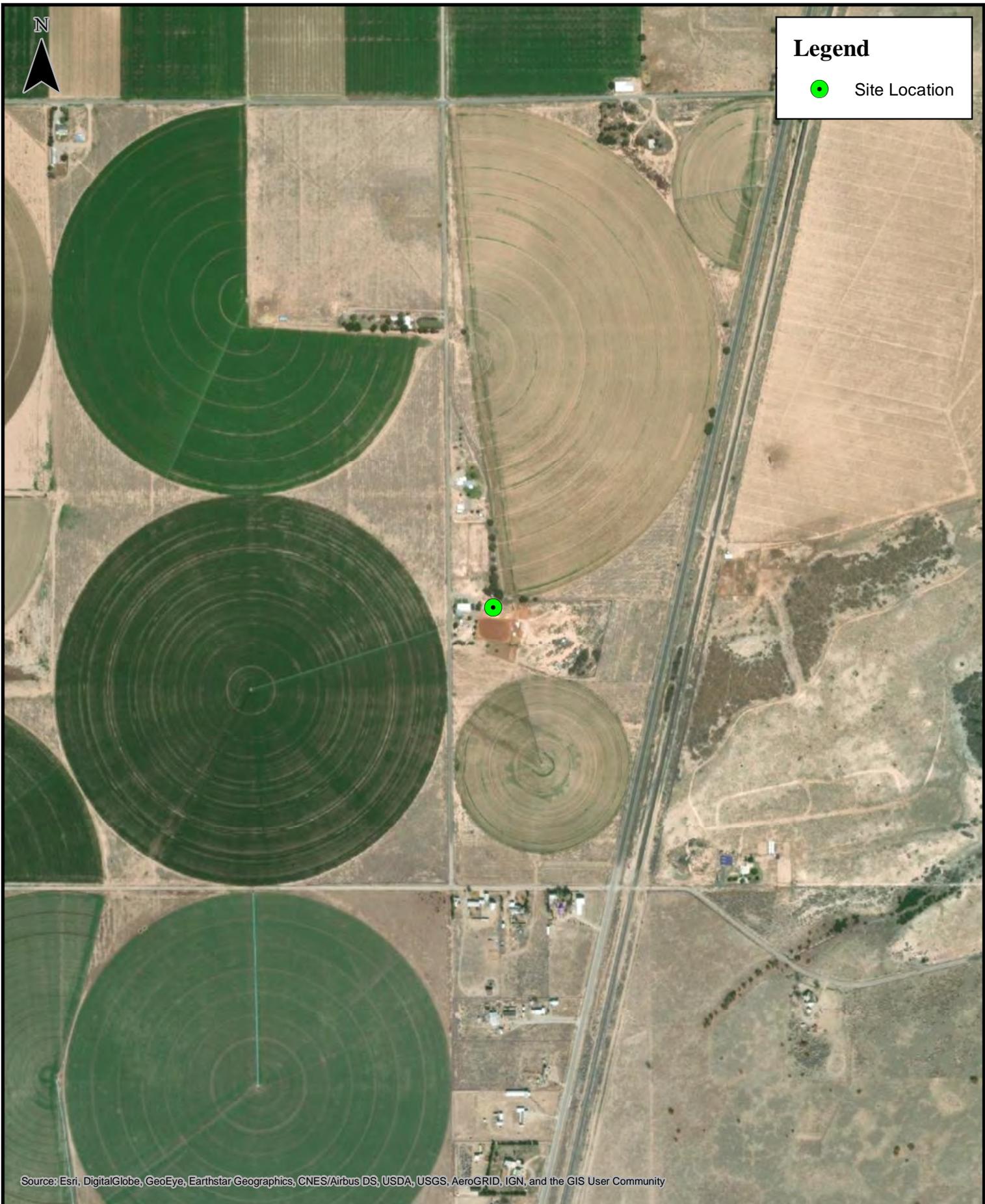
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Figure 1 - Topographic Map
 McCullar Property
 EOG Resources, Inc.



Legend

 Site Location



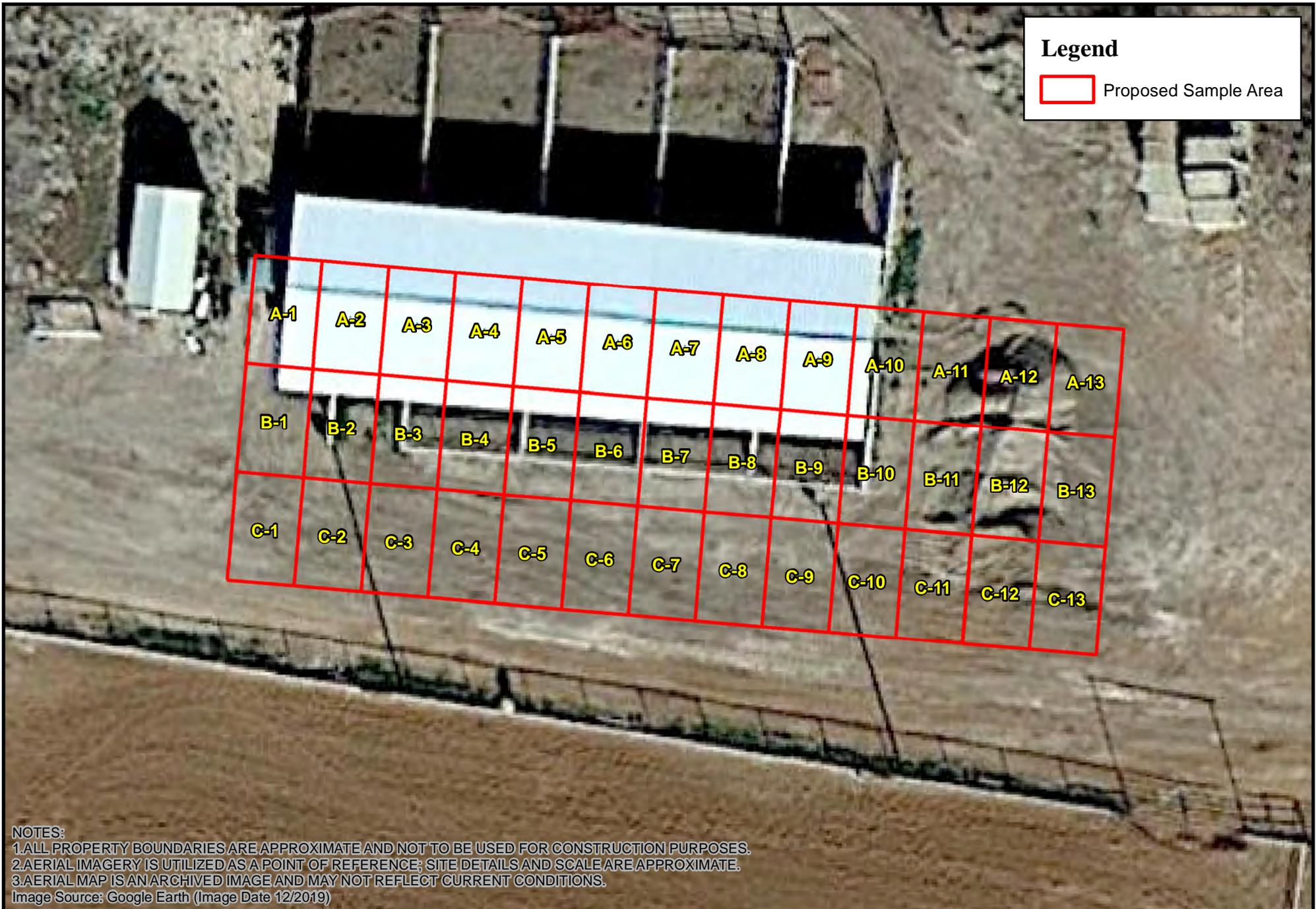
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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

1:10,000

Figure 2 - Area Map
McCullar Property
EOG Resources, Inc.



Legend

Proposed Sample Area

NOTES:
 1. ALL PROPERTY BOUNDARIES ARE APPROXIMATE AND NOT TO BE USED FOR CONSTRUCTION PURPOSES.
 2. AERIAL IMAGERY IS UTILIZED AS A POINT OF REFERENCE; SITE DETAILS AND SCALE ARE APPROXIMATE.
 3. AERIAL MAP IS AN ARCHIVED IMAGE AND MAY NOT REFLECT CURRENT CONDITIONS.
 Image Source: Google Earth (Image Date 12/2019)

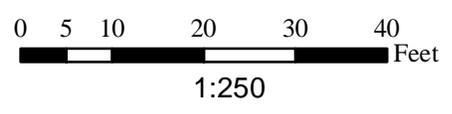


Figure 3 - Proposed Assessment Map
 Inex #3
 EOG Resources, Inc.