

**FOUNDATION ENERGY INC.
LAS ANIMAS MINERALS 1-10
FORM 27 SUPPLEMENTAL REPORT**

ATTACHMENTS

Tables

- 1 Soil Suitability and Metals Soil Analytical Results
- 2 Soil Sample Location Coordinates

Figures

- 1 Site Location Map
- 2 Las Animas Minerals 1-10 –Proposed Soil Sample Location Map

Table 1
Las Animas Minerals 1-10
Soil Suitability and Metals Soil Sample Results
Cheyenne County, Colorado

Sample ID	Date Sampled	Lab Report Number	PID Reading (ppm)	pH (pH units)	Specific Conductance (EC) (mmhos/cm)	Sodium Adsorption Ratio (SAR)	Boron (mg/l)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)	Comments
ECMC Residential Soil Screening Level Standards (mg/kg) ⁽³⁾	-	-	-	6-8.3	<4 mmhos/cm	<6	2 (mg/l)	0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000	
ECMC Protection of Groundwater Soil Screening Level Standards Risk & MCL Based ^(1 & 2) (mg/kg)	-	-	-	6-8.3	<4 mmhos/cm	<6	2	0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370	
HA1@2'	2/21/2024	2402393R	0.0	8.11	0.215	0.111	<2.00	5.84	148	<0.200	<0.30*	6.91	8.87	6.02	0.315	0.0286	24.2	
HA2@1'	2/21/2024	2402393R	7.7	7.82	2.28	7.42	<2.00	6.08	123	0.215	<0.30*	7.27	9.19	6.19	0.353	0.0350	24.4	
HA2@5'	2/21/2024	2402393R	1.2	-	-	2.26	-	-	-	-	-	-	-	-	-	-	-	
HA3@1'	2/21/2024	2402393R	0.2	8.11	1.75	3.51	<2.00	7.40	160	0.250	<0.30*	7.66	11.6	6.94	0.455	0.0548	25.9	
HA4@3'	2/21/2024	2402393R	0.0	7.71	3.02	1.19	<2.00	6.35	72.5	<0.200	<0.30*	4.96	6.61	5.17	0.338	0.0238	19.2	
HA5@3'	2/21/2024	2402393R	0.0	7.78	3.170	1.52	<2.00	10.5	229	0.265	<0.30*	7.87	12.4	8.27	0.497	0.0485	27.5	
HA-5@5'	8/28/2024	2408375R2	-	-	-	-	-	3.35	-	-	-	-	-	-	-	-	-	
HA-6@1'	8/28/2024	2408375R2	-	-	-	7.90	-	-	-	-	-	-	-	-	-	-	-	
HA-6@2'	8/28/2024	2408375R2	-	-	-	6.18	-	-	-	-	-	-	-	-	-	-	-	
HA-6@3'	8/28/2024	2408375R2	-	-	-	2.48	-	-	-	-	-	-	-	-	-	-	-	
HA-7@1'	8/28/2024	2408375R2	-	-	-	1.36	-	-	-	-	-	-	-	-	-	-	-	
HA-8@1'	8/28/2024	2408375R2	-	-	-	11.4	-	-	-	-	-	-	-	-	-	-	-	
HA-8@2'	8/28/2024	2408375R2	-	-	-	5.58	-	-	-	-	-	-	-	-	-	-	-	
BG1@2'	2/21/2024	2402393R	0.7	8.11	0.594	0.490	<2.00	7.91	202	0.327	<0.30*	8.47	13.6	7.93	0.408	0.0622	30.2	
BG2@3'	2/21/2024	2402393R	0.0	7.77	3.07	2.45	<2.00	5.89	136	0.428	<0.30*	7.63	18.0	10.2	0.957	0.0750	48.2	
BG-3@1'	8/28/2024	2408375R2	-	-	-	0.103	-	6.42	-	-	-	-	-	-	-	-	-	
BG-3@3'	8/28/2024	2408375R2	-	-	-	5.19	-	7.71	-	-	-	-	-	-	-	-	-	
BG-3@5'	8/28/2024	2408375R2	-	-	-	-	-	5.24	-	-	-	-	-	-	-	-	-	
BG-4@1'	8/28/2024	2408375R2	-	-	-	-	-	7.29	-	-	-	-	-	-	-	-	-	
BG-4@3'	8/28/2024	2408375R2	-	-	-	-	-	6.88	-	-	-	-	-	-	-	-	-	
BG-4@5'	8/28/2024	2408375R2	-	-	-	-	-	7.50	-	-	-	-	-	-	-	-	-	

Notes:

1). The environmental cleanup standards for soil that are applicable to this site are the Colorado Energy & Carbon Management Commission (ECMC) standards for contaminants in soil according to Table 915-1 (Post January 15, 2021) of the ECMC 900 Series Rule for E&P Waste Management.

2). If there is no pathway for communication with Groundwater, then residential soil screening levels apply for organic compounds and metals. If the Director determines that a pathway to Groundwater exists, then the protection of Groundwater soil screening levels will apply, secondary to actual measured concentrations of the contaminants of concern in Groundwater.

* Compound falls within ECMC Table 915-1 Footnote 9.

mg/kg= Milligrams per kilogram.

ppm - Parts per million

PID - Photoionization Detector

NA - Not Analyzed

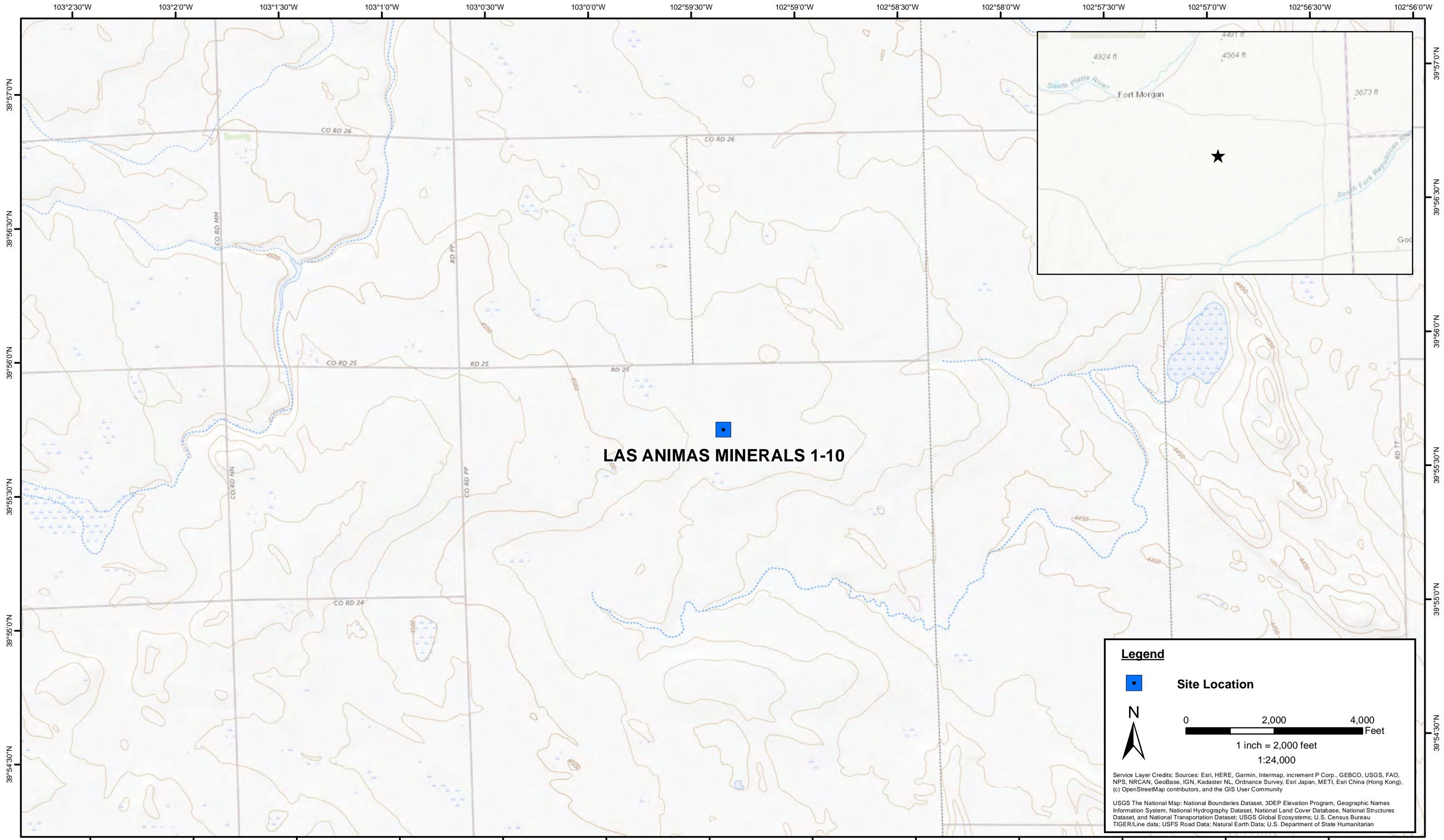
Bold values indicate metals concentrations greater than the ECMC Protection of Groundwater Standard.

Bold red values indicate an exceedance of the ECMC Residential Soil Standard for the Site.

Table 2
Las Animas Minerals 1-10
Investigation Location Coordinates
Cheyenne County, Colorado

Location	Sample ID	Type	Date Collected	Latitude	Longitude
Las Animas Minerals 1-10	HA1	Soil	2/21/2024	38.9285903829	-102.9901716210
Las Animas Minerals 1-10	HA2	Soil	2/21/2024	38.9286712948	-102.9899556920
Las Animas Minerals 1-10	HA3	Soil	2/21/2024	38.9287077165	-102.9898211360
Las Animas Minerals 1-10	HA4	Soil	2/21/2024	38.9285194386	-102.9898935970
Las Animas Minerals 1-10	HA5	Soil	2/21/2024	38.9283880511	-102.9898087970
Las Animas Minerals 1-10	HA-6	Soil	8/28/2024	38.9287352635	-102.9899738840
Las Animas Minerals 1-10	HA-7	Soil	8/28/2024	38.9286458733	-102.9900574410
Las Animas Minerals 1-10	HA-8	Soil	8/28/2024	38.9286322763	-102.9898701220
Las Animas Minerals 1-10	BG1	Soil	2/21/2024	38.9288545250	-102.9902129980
Las Animas Minerals 1-10	BG2	Soil	2/21/2024	38.9282285577	-102.9902375360
Las Animas Minerals 1-10	BG-3	Soil	8/28/2024	38.9287134732	-102.9894544870
Las Animas Minerals 1-10	BG-4	Soil	8/28/2024	38.9280820076	-102.9896407160

Locations are approximate



DATE:	February 2024
DESIGNED BY:	J. Watts
DRAWN BY:	J. Clonts

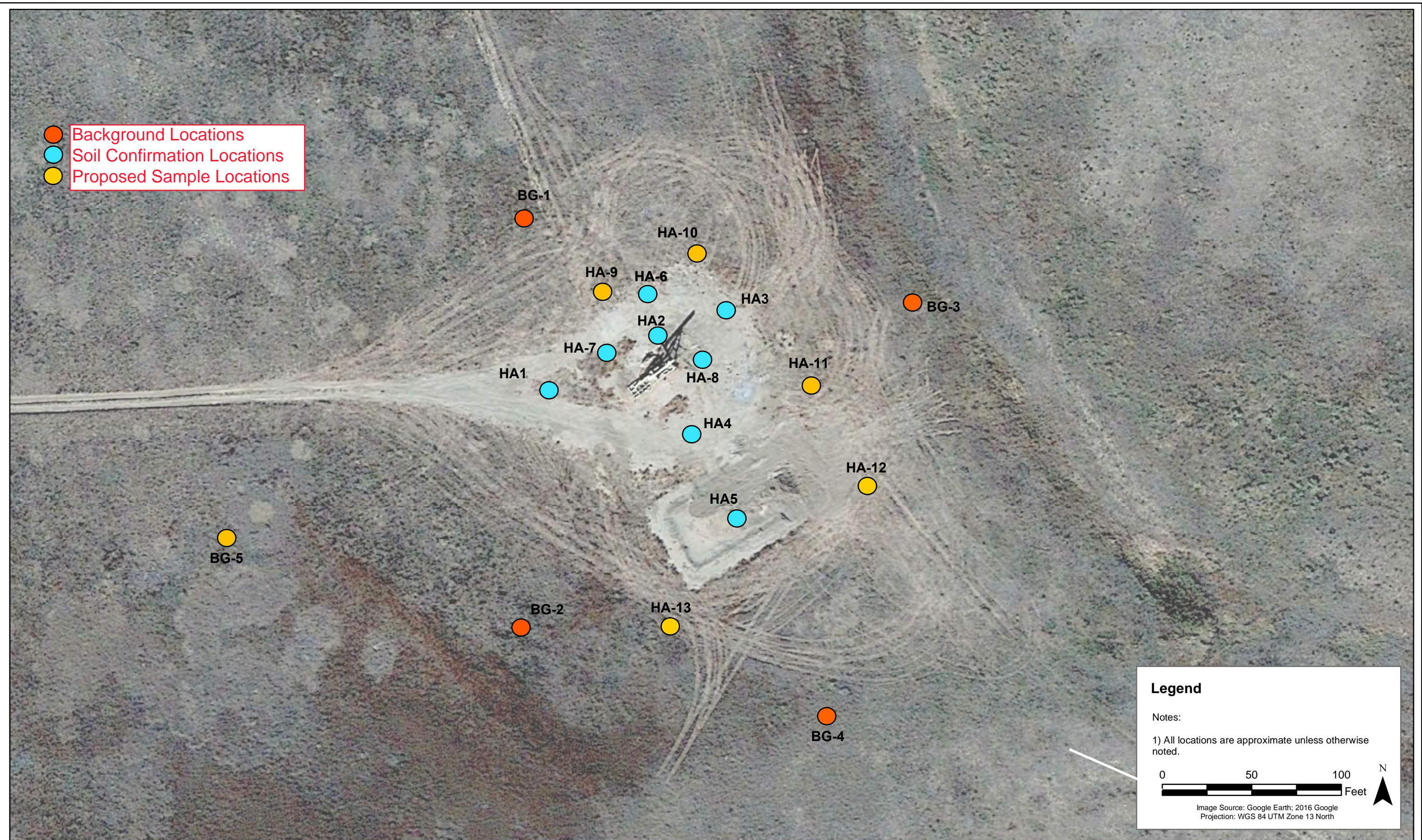


Tasman, Inc.
6855 W. 119th Ave
Broomfield, CO 80020

Foundation Energy
LAS ANIMAS MINERALS 1-10
SWNW, Section 33, Township 1 North, Range 50W
Cheyenne County, Colorado

Site Location Map

Figure
1



DATE: November 2024
 DESIGNED BY: J. Watts
 DRAWN BY: K. MacDonald

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Foundation Energy
Las Animas Minerals 1-10
 SWNW, Section 33, Township 1 North, Range 50W
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Site Overview Map with
 Proposed Soil Sample
 Locations

FIGURE
2