

1 of 2

TABLE 1  
SOIL ANALYTICAL DATA  
NOBLE ENERGY, INC. - CARPIO A26-05 FACILITY



Soil Sample ID	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
Residential SSL <sup>2</sup>		6 - 8.3	<6	<4mmhos/cm	2
AST01@0.5'	03/11/22	7.90	1.17	0.592	0.0373
SS01@2.5'	03/11/22	7.68	1.21	0.528	0.0638
SS02@2.5'	03/11/22	8.00	0.720	0.317	0.0209
SS03@2.5'	03/11/22	7.73	1.16	0.599	0.0623
SS04@2.5'	03/11/22	7.80	1.80	1.10	0.0800
FS01@3.5'	03/11/22	7.94	1.41	0.659	0.0574
SEP01-DL01@3'	03/11/22	7.70	1.35	3.06	0.582
SEP01-FL01@3'	03/11/22	7.79	1.11	2.30	0.259
SEP02-DL02@3'	03/11/22	7.80	1.78	2.72	0.203
BH01@4-5'	06/16/22	7.82	0.609	0.989	0.0996
BH02@4-5'	06/16/22	7.79	0.536	0.976	0.110
BH03@3.5-6'	06/16/22	7.74	0.310	0.868	0.0633
BH04@4-5'	06/16/22	7.93	0.885	0.838	0.147
BH05@4-5'	06/16/22	7.48	0.341	1.48	0.0722
BH05@9-13'	06/16/22	7.77	0.207	0.881	0.0388
BH06@4'	09/21/22	7.57	1.40	3.51	0.234
BH06@10-12'	09/21/22	7.65	1.55	2.10	0.132
BH07@4'	09/21/22	7.71	1.97	4.52	0.738
BH07@6-8'	09/21/22	7.71	1.13	3.85	0.155
BH07@10-12'	09/21/22	7.82	1.44	2.02	0.104
BH08@2-4'	09/21/22	7.38	3.22	3.78	0.396
BH08@10-12'	09/21/22	7.70	1.26	1.96	0.125
BH09@4'	09/21/22	7.71	1.22	3.52	0.128
BH09@10-12'	09/21/22	7.89	1.44	1.76	0.156
BH10@4'	09/21/22	7.76	1.82	4.09	0.334
BH10@10-12'	09/21/22	7.87	1.27	1.99	0.136
BH11@4'	12/08/22	NA	NA	1.71	NA
BH11@10'	12/08/22	NA	NA	0.722	NA
BH12@4'	12/08/22	NA	NA	0.842	NA
BH12@10'	12/08/22	NA	NA	0.612	NA
BG01@4'	12/08/22	NA	NA	1.65	NA
BG01@10'	12/08/22	NA	NA	0.511	NA
BG02@4'	12/08/22	NA	NA	1.79	NA
BG02@10'	12/08/22	NA	NA	0.680	NA
BG03@4'	12/08/22	NA	NA	1.42	NA
BG03@10'	12/08/22	NA	NA	0.723	NA
BG04@4'	12/08/22	NA	NA	1.48	NA
BG04@10'	12/08/22	NA	NA	0.470	NA
BG05@4'	12/08/22	NA	NA	1.88	NA
BG05@10'	12/08/22	NA	NA	0.837	NA

Notes:

- Compounds referenced from 2 CCR 404-1, Table 915-1, effective January 15, 2021.
- Soil Screening Levels (SSL) referenced from EPA Regional Screening Levels (EPA RSLs) for Chemical Contaminants at Superfund Sites, effective November 2020.
- SSLs are applicable if a pathway for communication with groundwater is present.
- Non-detect laboratory results are included in the mean calculation at the laboratory detection limit
- Soil borings BH05 and BH09 were collected from native soil that has not been influence by oil and gas activity (i.e., no elevated PID readings, inorganic impacts, or organic impacts to soil), and are included in the background analysis.

Definitions:

COGCC = Colorado Oil and Gas Conservation Commission

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

mmhos/cm = Millimhos per centimeter

mg/L = Milligrams per liter

< = Analytical result is less than the indicated laboratory reporting limit

Highlighted results are equal to or exceed the COGCC Table 915-1 standard

1,2,4 - TMB = 1,2,4 Trimethylbenzene

1,3,5 - TMB = 1,3,5 Trimethylbenzene

Benz(a) = Benzanthracene

Benzo(b) = Benzo(a)fluoranthene

Benzo(k) = Benzo(a)fluoranthene

Benzo(a) = Benzopyrene

A,H = Dibenzoanthracene

1,2,3-CD = Indenopyrene

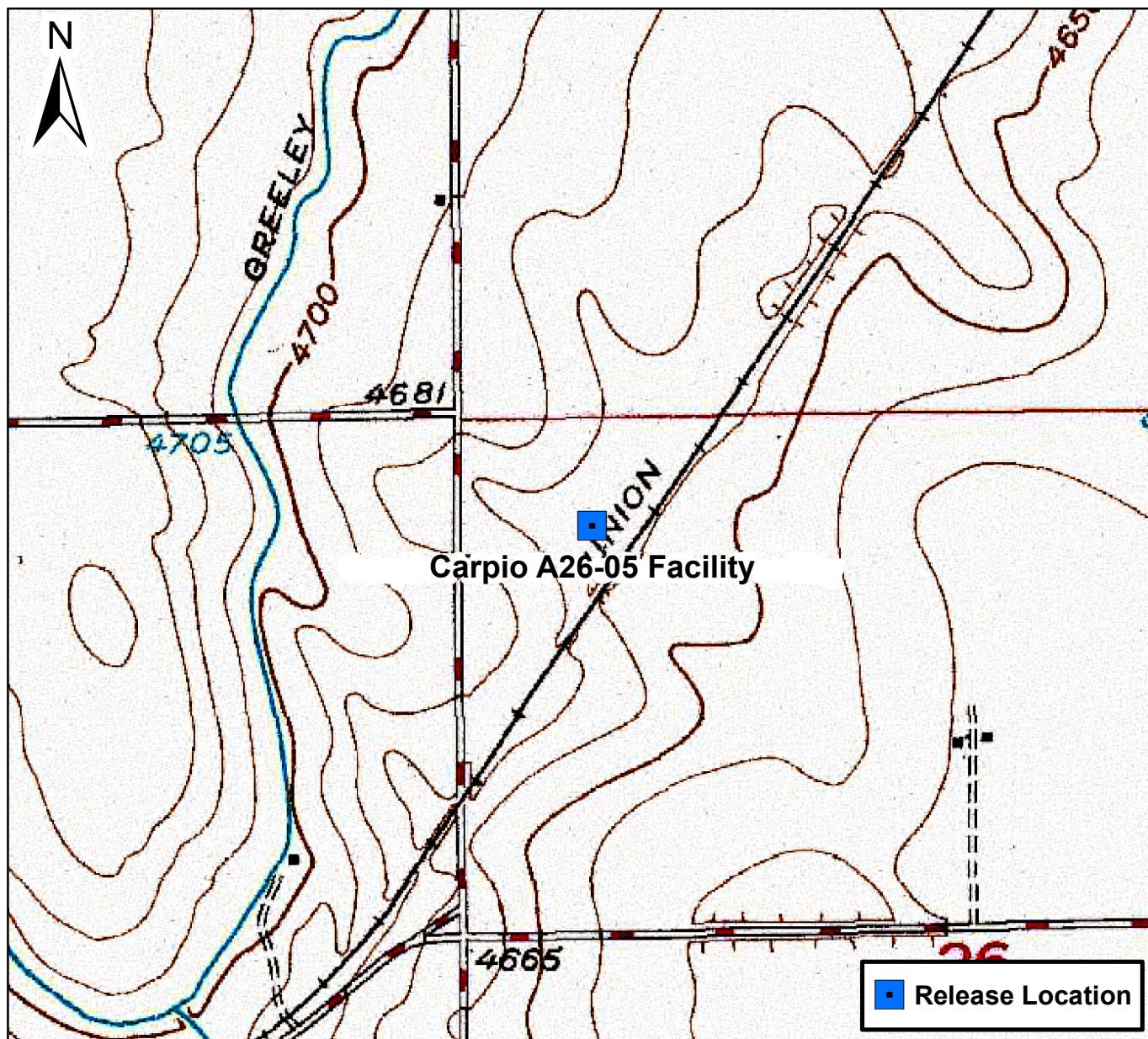
1-M = 1-methylnaphthalene

2-M = 2-methylnaphthalene

NA = Not analyzed

Soil Sample ID	Date	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)
Residential SSL <sup>2</sup>		0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
Protection of Groundwater SSL <sup>2,3</sup>		0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
BH01@4-5'	06/16/22	2.30	152	<0.251	<0.30	12.6	10.3	10.3	1.37	0.0552	54.7
BH02@4-5'	06/16/22	1.82	95.1	<0.233	<0.30	13.1	11.3	7.81	1.01	0.0824	48.1
BH03@3.5-6'	06/16/22	2.53	96.8	0.353	<0.30	15.2	14.8	7.92	0.922	0.142	53.9
BH04@4-5'	06/16/22	2.08	94.8	<0.235	<0.30	12.2	10.8	8.32	1.05	0.0759	51.5
<sup>(5)</sup> BH05@4-5'	06/16/22	3.94	52.7	<0.254	<0.30	5.70	7.00	7.21	0.597	0.0258	32.8
<sup>(5)</sup> BH05@9-13'	06/16/22	5.16	294	<0.242	<0.30	7.55	8.75	10.1	0.829	0.0462	37.9
BH06@4'	09/21/22	4.20	44.1	<0.215	<0.30	6.15	6.18	6.15	0.899	<0.0215	26.9
BH06@10-12'	09/21/22	4.07	93.2	<0.261	<0.30	9.86	8.27	10.4	1.36	0.0372	46.0
BH07@4'	09/21/22	5.04	61.3	<0.213	<0.30	7.00	6.35	7.66	0.928	0.0346	31.2
BH07@6-8'	09/21/22	4.52	58.5	<0.248	<0.30	7.24	7.15	8.10	0.960	0.0281	34.7
BH07@10-12'	09/21/22	4.34	41.7	<0.249	<0.30	7.06	6.71	7.19	0.993	<0.0249	34.3
BH08@2-4'	09/21/22	4.12	65.0	<0.240	<0.30	9.85	8.75	6.66	0.893	0.0317	34.8
BH08@10-12'	09/21/22	4.10	63.1	<0.260	<0.30	7.23	6.88	8.00	1.02	0.0313	35.5
<sup>(5)</sup> BH09@4'	09/21/22	4.74	42.3	<0.239	<0.30	6.66	7.08	7.51	0.954	0.0260	33.6
<sup>(5)</sup> BH09@10-12'	09/21/22	11.4	137	<0.268	<0.30	15.0	17.5	16.7	1.60	0.0864	77.0
BH10@4'	09/21/22	5.74	44.9	<0.222	<0.30	8.41	8.00	9.44	1.01	0.0465	37.3
BH10@10-12'	09/21/22	4.08	46.3	<0.248	<0.30	7.61	7.10	8.32	0.968	0.0313	39.2
BG01@4'	12/08/22	3.88	52.0	NA	NA	NA	5.61	NA	0.469	NA	NA
BG01@10'	12/08/22	6.55	31.7	NA	NA	NA	4.85	NA	0.508	NA	NA
BG02@4'	12/08/22	3.36	69.7	NA	NA	NA	5.90	NA	0.557	NA	NA
BG02@10'	12/08/22	4.23	319	NA	NA	NA	7.04	NA	0.968	NA	NA
BG03@4'	12/08/22	4.42	105	NA	NA	NA	6.60	NA	0.643	NA	NA
BG03@10'	12/08/22	3.34	38.1	NA	NA	NA	6.20	NA	0.696	NA	NA
BG04@4'	12/08/22	3.90	146	NA	NA	NA	5.37	NA	0.764	NA	NA
BG04@10'	12/08/22	3.96	38.3	NA	NA	NA	5.30	NA	0.626	NA	NA
BG05@4'	12/08/22	3.50	46.4	NA	NA	NA	5.24	NA	0.485	NA	NA
BG05@10'	12/08/22	2.74	39.0	NA	NA	NA	3.97	NA	0.480	NA	NA
BG06@5'	07/28/23	2.37	39.5	NA	NA	NA	8.90	NA	0.336	NA	NA
BG06@10'	07/28/23	1.48	54.4	NA	NA	NA	6.21	NA	<0.260	NA	NA
BG07@5'	07/28/23	1.25	49.7	NA	NA	NA	5.79	NA	<0.260	NA	NA
BG07@10'	07/28/23	1.84	27.6	NA	NA	NA	11.8	NA	0.359	NA	NA
BG08@5'	07/28/23	1.76	43.3	NA	NA	NA	13.7	NA	0.304	NA	NA
BG08@10'	07/28/23	1.40	25.1	NA	NA	NA	13.8	NA	0.197	NA	NA
BG09@5'	07/28/23	1.12	56.8	NA	NA	NA	4.97	NA	<0.260	NA	NA
BG09@10'	07/28/23	0.862	115	NA	NA	NA	7.27	NA	<0.260	NA	NA
BG10@5'	07/28/23	1.27	48.3	NA	NA	NA	7.40	NA	0.232	NA	NA
BG10@10'	07/28/23	1.51	24.9	NA	NA	NA	14.7	NA	0.340	NA	NA
Mean Background Concentration		3.33	79.0	-	-	-	7.96	-	0.541	-	-
Mean Background x1.25 <sup>(4)</sup>		4.17	98.7	-	-	-	9.95	-	0.676	-	-
Highest Background		11.4	319	-	-	-	17.5	-	1.60	-	-
Highest Background x1.25		14.3	399	-	-	-	21.9	-	2.00	-	-





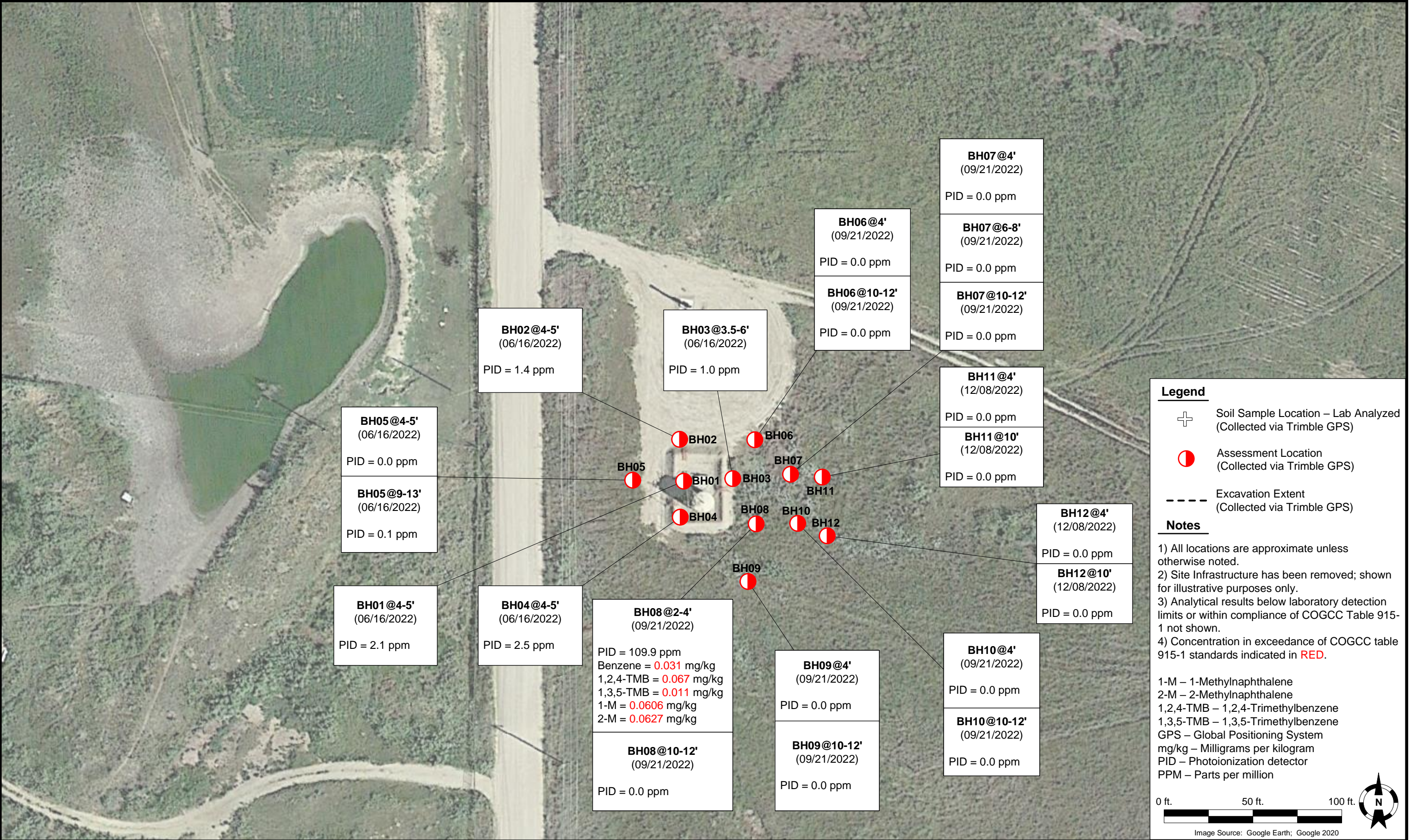
0 1,000 2,000 Feet

## Figure 1

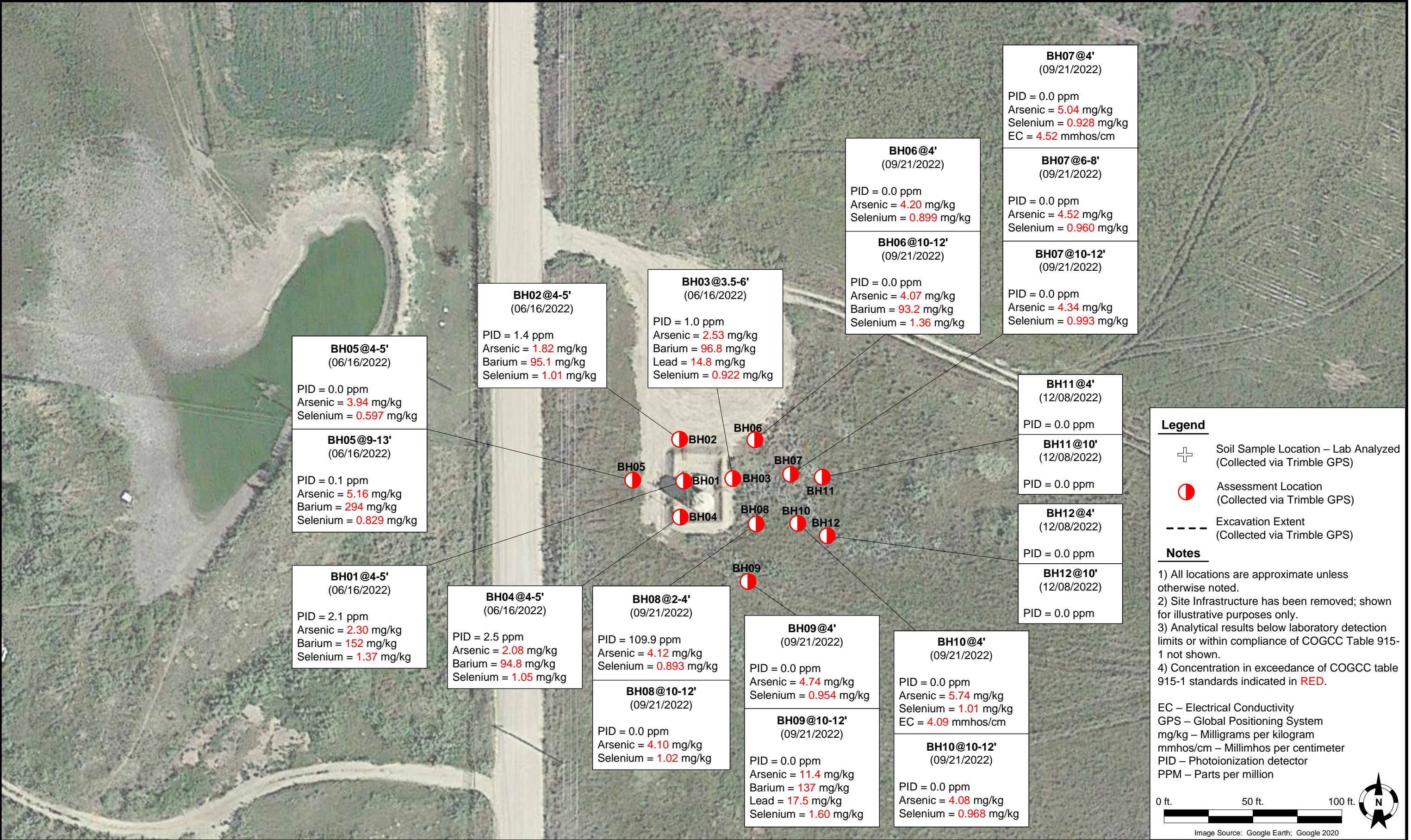
Site Location Map  
Carpio A26-05 Facility  
SWNE S26 T6N R64W  
Weld County, Colorado






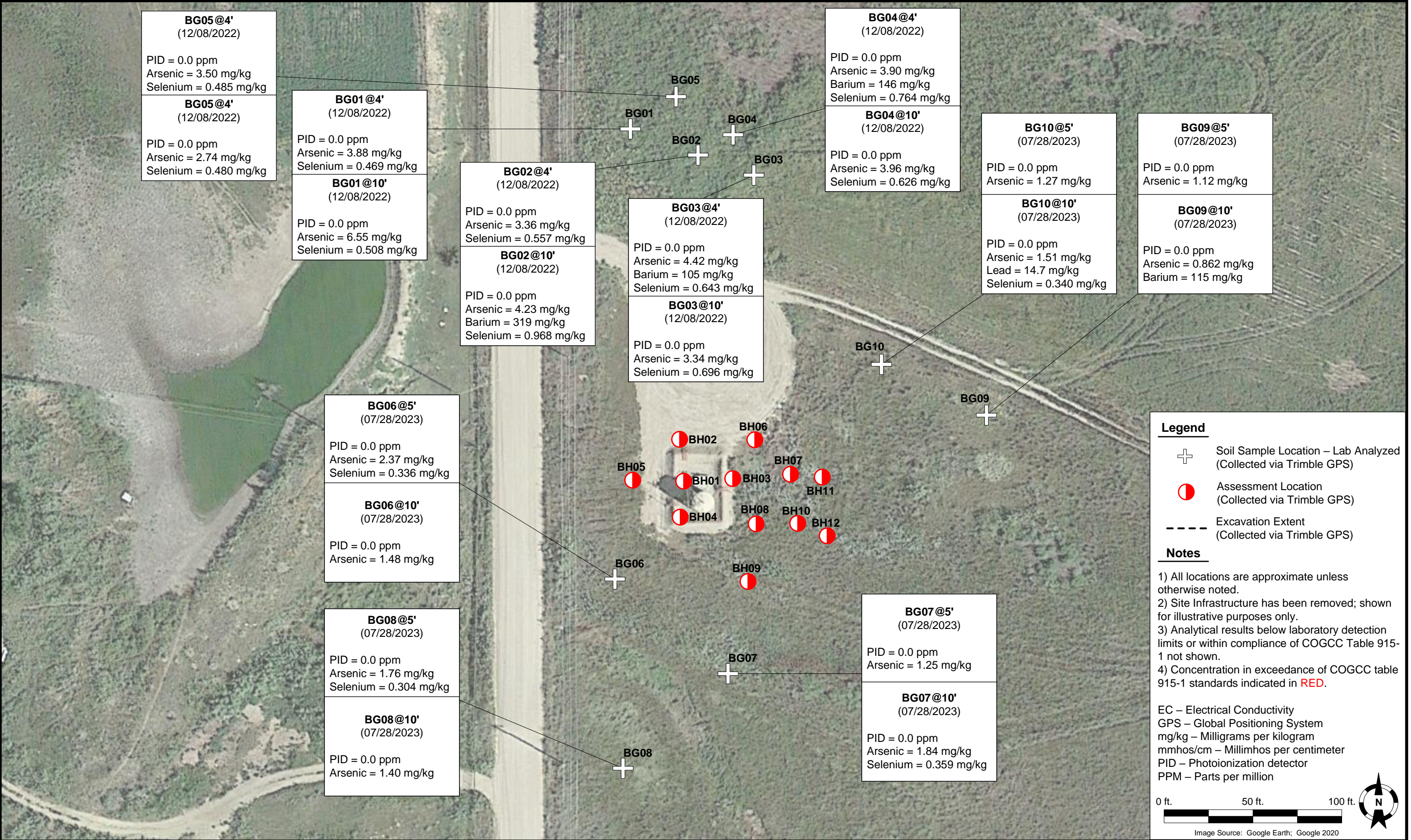






DATE:	02/22/2023	 <b>TASMAN</b> Tasman, Inc. 6855 W 119 <sup>th</sup> Avenue Broomfield, CO 80020	<b>Noble Energy, Inc. – DJ Basin</b> <b>Carpio A26-05 Facility</b> SWNE, Section 26, Township 6 North, Range 64 West Weld County, Colorado	<b>Soil Analytical Results</b> Map - Inorganics (03/11/22, 06/16/22, 09/21/22 & 12/08/22)	<b>FIGURE</b> 3
DESIGNED BY:	JW				
DRAWN BY:	JB				









DATE:	12/06/2022
DESIGNED BY:	JW
DRAWN BY:	JC



**TASMAN**  
Tasman, Inc.  
6855 W 119<sup>th</sup> Avenue  
Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin  
Carpio A26-05 Facility**  
SWNE, Section 26, Township 6 North, Range 64 West  
Weld County, Colorado

Site Assessment  
Groundwater Potentiometric  
Surface Contour Map  
(11/16/2022)

**FIGURE  
5**





**Legend**

- Monitoring Well (Collected via Trimble GPS)
- Excavation Extent (Collected via Trimble GPS)
- Groundwater Elevation Contour (Dashed Where Inferred)
- 4763.81 Measured Groundwater Elevation–ft. amsl
- Approximate Groundwater Flow Direction

**Notes**

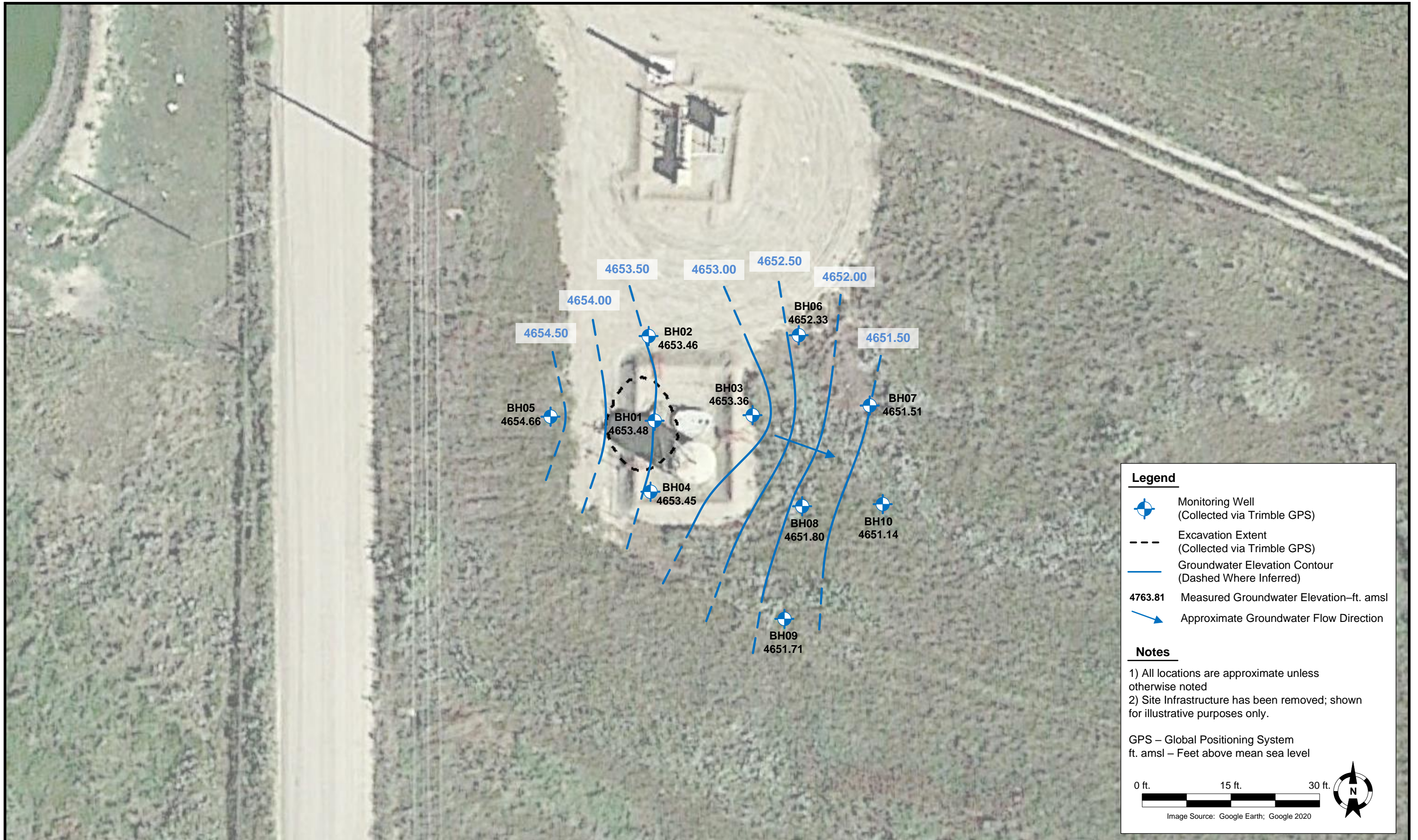
1) All locations are approximate unless otherwise noted  
2) Site Infrastructure has been removed; shown for illustrative purposes only.


GPS – Global Positioning System  
ft. amsl – Feet above mean sea level  
\* - not used in contouring purposes

0 ft. 15 ft. 30 ft.

Image Source: Google Earth; Google 2020





DATE:	06/05/2023	<div><div>Tasman, Inc. 6855 W 119<sup>th</sup> Avenue Broomfield, CO 80020</div></div>	Noble Energy, Inc. – DJ Basin Carpio A26-05 Facility SWNE, Section 26, Township 6 North, Range 64 West Weld County, Colorado	Site Assessment Groundwater Potentiometric Surface Contour Map (05/16/2023)	FIGURE 7
DESIGNED BY:	JW				
DRAWN BY:	LR				





DATE:	08/28/2023
DESIGNED BY:	JW
DRAWN BY:	MK



**TASMAN**

Tasman, Inc.  
6855 W 119<sup>th</sup> Avenue  
Broomfield, CO 80020

**Noble Energy, Inc. – DJ Basin  
Carpio A26-05 Facility**  
SWNE, Section 26, Township 6 North, Range 64 West  
Weld County, Colorado

Site Assessment  
Groundwater Potentiometric  
Surface Contour Map  
(08/7/2023)

FIGURE  
8