

TABLE 1
FIELD DATA SUMMARY TABLE
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	GPS Data Latitude/Longitude		PDOP Value	VOC Concentration (ppm)
AST01 0.5'	08/08/2023	0.5	40.2530200	-104.6336472	-	212.7
AST02 0.5'	08/08/2023	0.5	40.2530663	-104.6336565	-	380.5
E Wall 4'	08/08/2023	4.0	40.2529615	-104.6335994	-	2667
FLOOR 5'	08/08/2023	5.0	40.2529629	-104.6336191	-	20.4
W Wall 4'	08/08/2023	4.0	40.2529648	-104.6336445	-	9.9
S Wall 4'	08/08/2023	4.0	40.2529480	-104.6336229	-	47.0
N Wall 4'	08/08/2023	4.0	40.2529770	-104.6336087	-	2063
SEP01 DL 3'	08/09/2023	3.0	40.2527182	-104.6337289	-	2.4
SEP02 DL 3'	08/09/2023	3.0	40.2527206	-104.6336548	-	68.5
FLARE 0.5'	08/09/2023	0.5	40.2532867	-104.6336967	-	0.0
MH01 0.5'	08/09/2023	0.5	40.2527171	-104.6336238	-	0.5
MH02 0.5'	08/09/2023	0.5	40.2527148	-104.6336935	-	0.2
FL03 3'	08/09/2023	3.0	40.2526959	-104.6336300	-	1.0
AST B - 3ft	10/02/2024	3.0	40.2530659	-104.6336576	0.8	0.5
AST E Wall - 2ft	10/02/2024	2.0	40.2530652	-104.6336394	-	0.3
AST N Wall - 2ft	10/02/2024	2.0	40.2530803	-104.633657	-	0.0
AST S Wall - 2ft	10/02/2024	2.0	40.2530545	-104.6336589	-	0.3
AST W Wall - 2ft	10/02/2024	2.0	40.2530709	-104.6336780	0.8	0.5
PWV B01 - 9ft	9/30/2024	9.0	40.2529744	-104.6336100	-	9.0
PWV E Wall - 8ft	10/01/2024	8.0	40.2529705	-104.6335725	0.9	0.3
PWV N01 Wall - 8ft	10/01/2024	8.0	40.2530032	-104.6335966	-	0.5
PWV S01 Wall - 8ft	10/01/2024	8.0	40.2529460	-104.6336027	0.9	0.9
GWS	10/01/2024	9.0	NA	NA	NA	N/A

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JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
PWV B02 - 9ft	10/02/2024	9.0	40.2530046	-104.6336475	0.9	0.6
PWV N02 Wall - 8ft	10/02/2024	8.0	40.2530171	-104.6336479	0.9	0.1
PWV S02 Wall - 8ft	10/02/2024	8.0	40.2529535	-104.6336601	-	0.4
PWV W Wall - 8ft	10/02/2024	8.0	40.2529818	-104.6336895	-	0.0
Backfill	10/2/2024	N/A	N/A	N/A	N/A	0.0
BKG01	10/2/2024	0.5, 2.0, 3.0, 4.0, 5.0, 8.0, 9.0	40.2528190	-104.6333889	1.2	Refer to Bore Log
BKG02	10/2/2024	0.5, 2.0, 3.0, 4.0, 5.0, 8.0, 9.0	40.2530168	-104.6333606	1.2	Refer to Bore Log
BKG03	10/2/2024	0.5, 2.0, 3.0, 4.0, 5.0, 8.0, 9.0	40.2531565	-104.6333405	1.1	Refer to Bore Log
BKG04	10/2/2024	0.5, 2.0, 3.0, 4.0, 5.0, 8.0, 9.0	40.2533815	-104.6332979	1.1	Refer to Bore Log
BKG05	10/2/2024	0.5, 2.0, 3.0, 4.0, 5.0, 8.0, 9.0	40.2534480	-104.6336954	-	Refer to Bore Log

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTMZone 13 North.

2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

PDOP = Position Dilution of Precision

ppm = Parts per million

in. = Inches

ft. = Feet

bgs = Below ground surface

Source material characterization sample, excavated and transported off site for disposal.

Material excavated and transported off site for disposal.

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-Benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
AST01 0.5'	08/08/2023	0.5	<0.0020	0.0074	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
AST02 0.5'	08/08/2023	0.5	0.012	0.38	0.73	3.4	1.1	0.73	0.14	<500	140	35	<50
E Wall 4'	08/08/2023	4.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FLOOR 5'	08/08/2023	5.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
N Wall 4'	08/08/2023	4.0	<0.020	<0.050	0.15	0.41	2.7	2.5	0.033	>500	350	250	<50
SEPO1 DL 3'	08/09/2023	3.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
SEPO2 DL 3'	08/09/2023	3.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	1.4	<50	<50
FL03 3'	08/09/2023	3.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
AST B - 3ft	10/02/2024	3.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
AST E Wall - 2ft	10/02/2024	2.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
AST N Wall - 2ft	10/02/2024	2.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
AST S Wall - 2ft	10/02/2024	2.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
AST W Wall - 2ft	10/02/2024	2.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV B01 - 9ft	9/30/2024	9.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV E Wall - 8ft	10/01/2024	8.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV N01 Wall - 8ft	10/01/2024	8.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV S01 Wall - 8ft	10/01/2024	8.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV B02 - 9ft	10/02/2024	9.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV N02 Wall - 8ft	10/02/2024	8.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV S02 Wall - 8ft	10/02/2024	8.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
PWV W Wall - 8ft	10/02/2024	8.0	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
Backfill	10/2/2024	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

- Bold values exceed the ECMC Table 915-1 limit(s)
 - Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
 - * Indicates laboratory minimum detection limit in excess of SSL
 - ** Summation of GRO+DRO+ORO must be less than 500 mg/kg
- (<) = Analytical result is less than the indicated laboratory reporting limit.
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 ft. = Feet
bgs = Below ground surface NA - Not analyzed

Source material characterization sample, excavated and transported off site for disposal.
Material excavated and transported off site for disposal.

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo (a) Anthracene (mg/kg)	Benzo (a) Pyrene (mg/kg)	Benzo (b) Fluoranthene (mg/kg)	Benzo (k) Fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo (a,h) Anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) Pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl - Naphthalene (mg/kg)	2-Methyl- Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
AST01 0.5'	08/08/2023	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
AST02 0.5'	08/08/2023	0.5	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.0152	<0.00500	<0.00500	1.02	0.411
E Wall 4'	08/08/2023	4.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FLOOR 5'	08/08/2023	5.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
N Wall 4'	08/08/2023	4.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	0.00991	<0.00500	<0.00500	1.11	0.511
SEP01 DL 3'	08/09/2023	3.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SEP02 DL 3'	08/09/2023	3.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FLO3 3'	08/09/2023	3.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
AST B - 3ft	10/02/2024	3.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
AST E Wall - 2ft	10/02/2024	2.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
AST N Wall - 2ft	10/02/2024	2.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
AST S Wall - 2ft	10/02/2024	2.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
AST W Wall - 2ft	10/02/2024	2.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV B01 - 9ft	9/30/2024	9.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV E Wall - 8ft	10/01/2024	8.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV N01 Wall - 8ft	10/01/2024	8.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV S01 Wall - 8ft	10/01/2024	8.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV B02 - 9ft	10/02/2024	9.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV N02 Wall - 8ft	10/02/2024	8.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV S02 Wall - 8ft	10/02/2024	8.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
PWV W Wall - 8ft	10/02/2024	8.0	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
Backfill	10/2/2024	N/A	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

1. Bold values exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
3. * Indicates laboratory minimum detection limit in excess of SSL
4. ** Summation of GRO+DRO+ORO must be less than 500 mg/kg
(<) = Analytical result is less than the indicated laboratory reporting limit.
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
ft. = Feet
bgs = Below ground surface
NA = Not analyzed
Source material characterization sample, excavated and transported off site for disposal.
Material excavated and transported off site for disposal.

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
AST01 0.5'	08/08/2023	0.5	6.26	5.33	0.0697	1.06
AST02 0.5'	08/08/2023	0.5	4.96	0.438	0.0509	1.03
E Wall 4'	08/08/2023	4.0	8.23	0.260	1.46	1.06
FLOOR 5'	08/08/2023	5.0	6.30	0.188	2.70	1.07
N Wall 4'	08/08/2023	4.0	6.66	0.277	9.96	1.13
SEP01 DL 3'	08/09/2023	3.0	7.64	0.400	0.911	0.502
SEP02 DL 3'	08/09/2023	3.0	6.22	0.816	0.573	0.505
FL03 3'	08/09/2023	3.0	6.68	0.141	0.120	0.440
AST B - 3ft	10/02/2024	3.0	6.73	0.0837	0.041	<2.00
AST E Wall - 2ft	10/02/2024	2.0	5.94	0.0969	0.0775	<2.00
AST N Wall - 2ft	10/02/2024	2.0	6.55	0.0871	0.056	<2.00
AST S Wall - 2ft	10/02/2024	2.0	6.06	0.0629	0.0576	<2.00
AST W Wall - 2ft	10/02/2024	2.0	6.35	0.0692	0.0449	<2.00
PWV B01 - 9ft	9/30/2024	9.0	8.48	0.346	0.263	<2.00
PWV E Wall - 8ft	10/01/2024	8.0	7.84	0.378	3.38	<2.00
PWV N01 Wall - 8ft	10/01/2024	8.0	7.99	0.514	2.98	<2.00
PWV S01 Wall - 8ft	10/01/2024	8.0	7.75	1.28	1.90	<2.00
PWV B02 - 9ft	10/02/2024	9.0	8.02	0.422	1.86	<2.00
PWV N02 Wall - 8ft	10/02/2024	8.0	7.88	0.266	0.538	<2.00
PWV S02 Wall - 8ft	10/02/2024	8.0	8.18	0.315	1.36	<2.00
PWV W Wall - 8ft	10/02/2024	8.0	7.96	0.532	2.26	<2.00
Backfill	10/2/2024	N/A	9.23	0.457	0.702	<2.00

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
BKG01 - 0.5ft	10/02/2024	0.5	5.77	0.473	0.506	<2.00
BKG01 - 2ft	10/02/2024	2.0	9.24	1.36	2.26	3.23
BKG01 - 3ft	10/02/2024	3.0	9.53	0.860	2.27	<2.00
BKG01 - 4ft	10/02/2024	4.0	9.40	0.813	1.42	<2.00
BKG01 - 5ft	10/02/2024	5.0	8.59	0.489	0.548	<2.00
BKG01 - 8ft	10/02/2024	8.0	8.72	0.284	0.559	<2.00
BKG01 - 9ft	10/02/2024	9.0	9.00	0.305	0.956	<2.00
BKG02 - 0.5ft	10/02/2024	0.5	6.07	0.360	0.478	<2.00
BKG02 - 2ft	10/02/2024	2.0	8.66	1.89	4.51	<2.00
BKG02 - 3ft	10/02/2024	3.0	9.50	0.797	1.94	<2.00
BKG02 - 4ft	10/02/2024	4.0	9.39	0.866	1.47	<2.00
BKG02 - 5ft	10/02/2024	5.0	8.23	0.534	0.555	<2.00
BKG02 - 8ft	10/02/2024	8.0	8.85	0.247	0.413	<2.00
BKG02 - 9ft	10/02/2024	9.0	8.94	0.295	0.853	<2.00
BKG03 - 0.5ft	10/02/2024	0.5	5.73	0.335	0.394	<2.00
BKG03 - 2ft	10/02/2024	2.0	6.59	0.0544	0.00463	<2.00
BKG03 - 3ft	10/02/2024	3.0	6.24	3.76	0.00346	<2.00
BKG03 - 4ft	10/02/2024	4.0	7.13	0.0455	0.0301	<2.00
BKG03 - 5ft	10/02/2024	5.0	7.04	0.0453	0.033	<2.00
BKG03 - 8ft	10/02/2024	8.0	8.43	0.171	0.238	<2.00
BKG03 - 9ft	10/02/2024	9.0	8.55	0.221	0.246	<2.00
BKG04 - 0.5ft	10/02/2024	0.5	5.33	0.366	0.240	<2.00
BKG04 - 2ft	10/02/2024	2.0	7.70	1.81	3.65	<2.00
BKG04 - 3ft	10/02/2024	3.0	9.38	2.33	2.80	3.22
BKG04 - 4ft	10/02/2024	4.0	9.81	1.40	2.57	3.78
BKG04 - 5ft	10/02/2024	5.0	9.57	0.830	2.31	2.16
BKG04 - 8ft	10/02/2024	8.0	7.73	0.105	0.0303	<2.00

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6 - 8.3	<4	<6	2
BKG04 - 9ft	10/02/2024	9.0	8.69	0.203	0.165	<2.00
BKG05 - 0.5ft	10/02/2024	0.5	6.43	0.235	0.356	<2.00
BKG05 - 2ft	10/02/2024	2.0	6.63	1.71	5.01	<2.00
BKG05 - 3ft	10/02/2024	3.0	9.04	2.00	13.9	2.00
BKG05 - 4ft	10/02/2024	4.0	10.0	1.38	11.0	7.95
BKG05 - 5ft	10/02/2024	5.0	9.69	0.698	5.85	<2.00
BKG05 - 8ft	10/02/2024	8.0	8.93	0.214	1.19	<2.00
BKG05 - 9ft	10/02/2024	9.0	8.73	0.266	0.792	<2.00
Maximum Background Concentration at 0.5 Feet			5.33	0.473	0.506	<2.00
Maximum Background Concentration at 2 Feet			9.24	1.89	5.01	3.23
Maximum Background Concentration at 3 Feet			9.53	3.76	13.9	3.22
Maximum Background Concentration at 4 Feet			10.0	1.40	11.0	7.95
Maximum Background Concentration at 5 Feet			9.69	0.830	5.85	2.16
Maximum Background Concentration at 8 Feet			8.93	0.284	1.19	<2.00
Maximum Background Concentration at 9 Feet			9.00	0.305	0.956	<2.00

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within background concentrations.

2. **Red** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.

3. Brown highlighted soil analytical values indicate a regulatory exceedance.

NA - Not analyzed/Not applicable

Source material characterization sample, excavated and transported off site for disposal.

Material excavated and transported off site for disposal.

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	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)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
AST01 0.5'	08/08/2023	0.5	0.694	51.1	<0.200	<0.30	1.71	2.35	1.40	<0.260	<0.0200	5.05
AST02 0.5'	08/08/2023	0.5	0.446	26.5	<0.200	<0.30	2.06	12.4	0.966	<0.260	<0.0200	5.51
E Wall 4'	08/08/2023	4.0	0.665	28.7	<0.200	<0.30	1.44	3.93	1.17	<0.260	<0.0200	4.38
FLOOR 5'	08/08/2023	5.0	0.498	38.2	<0.200	<0.30	1.19	4.71	1.13	<0.260	<0.0200	4.81
N Wall 4'	08/08/2023	4.0	0.424	32.7	<0.200	<0.30	1.31	4.52	0.998	<0.260	<0.0200	5.03
SEP01 DL 3'	08/09/2023	3.0	0.703	42.3	<0.200	<0.30	1.93	5.25	1.18	<0.260	0.0214	6.44
SEP02 DL 3'	08/09/2023	3.0	0.631	39.4	<0.200	<0.30	1.65	4.58	1.00	<0.260	0.0225	5.52
FL03 3'	08/09/2023	3.0	0.636	43.1	<0.200	<0.30	1.72	4.92	1.22	<0.260	0.0233	5.90
AST B - 3ft	10/02/2024	3.0	0.377	30.1	<0.200	<0.30	1.02	2.77	0.923	<0.260	<0.0200	4.29
AST E Wall - 2ft	10/02/2024	2.0	0.394	26.7	<0.200	<0.30	1.07	3.96	0.852	<0.260	<0.0200	4.46
AST N Wall - 2ft	10/02/2024	2.0	0.425	24.1	<0.200	<0.30	1.15	4.20	0.871	<0.260	<0.0200	4.56
AST S Wall - 2ft	10/02/2024	2.0	0.413	25.4	<0.200	<0.30	1.07	4.80	0.853	<0.260	<0.0200	4.59
AST W Wall - 2ft	10/02/2024	2.0	0.357	22.8	<0.200	<0.30	0.948	2.55	0.786	<0.260	<0.0200	3.87
PWV B01 - 9ft	9/30/2024	9.0	3.08	39.7	<0.200	<0.30	1.75	2.88	2.17	<0.260	<0.0200	8.69
PWV E Wall - 8ft	10/01/2024	8.0	0.925	29.7	<0.200	<0.30	2.39	2.84	2.37	<0.260	<0.0200	10.1
PWV N01 Wall - 8ft	10/01/2024	8.0	0.763	25.7	<0.200	<0.30	1.74	2.59	1.82	<0.260	<0.0200	7.93
PWV S01 Wall - 8ft	10/01/2024	8.0	0.725	30.7	<0.200	<0.30	1.97	2.5	1.98	<0.260	<0.0200	8.46
PWV B02 - 9ft	10/02/2024	9.0	0.508	30.7	<0.200	<0.30	1.23	3.90	1.18	<0.260	<0.0200	5.04
PWV N02 Wall - 8ft	10/02/2024	8.0	0.466	33.0	<0.200	<0.30	1.13	3.21	1.16	<0.260	<0.0200	5.08
PWV S02 Wall - 8ft	10/02/2024	8.0	0.437	30.7	<0.200	<0.30	0.916	3.02	1.01	<0.260	<0.0200	4.15
PWV W Wall - 8ft	10/02/2024	8.0	0.413	40.4	<0.200	<0.30	0.925	3.29	1.20	<0.260	<0.0200	4.86
Backfill	10/2/2024	N/A	3.60	70.7	0.196	<0.30	8.54	6.95	4.54	<0.232	0.0224	16.7

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	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)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
BKG01 - 0.5ft	10/02/2024	0.5	0.905	17.8	<0.200	<0.30	2.38	6.22	1.58	<0.260	<0.0200	9.99
BKG01 - 2ft	10/02/2024	2.0	1.27	34.3	<0.200	<0.30	2.31	3.64	2.64	<0.260	<0.0200	11.3
BKG01 - 3ft	10/02/2024	3.0	1.02	31.5	<0.200	<0.30	2.29	3.31	2.48	<0.260	0.0211	10.3
BKG01 - 4ft	10/02/2024	4.0	0.969	32.0	<0.200	<0.30	2.18	3.34	2.34	<0.260	0.0215	9.64
BKG01 - 5ft	10/02/2024	5.0	0.856	30.1	<0.200	<0.30	2.23	2.85	2.21	<0.260	<0.0200	9.69
BKG01 - 8ft	10/02/2024	8.0	1.09	39.2	<0.200	<0.30	2.54	3.49	3.00	<0.260	<0.0200	11.3
BKG01 - 9ft	10/02/2024	9.0	1.11	41.9	<0.200	<0.30	2.61	3.58	3.10	<0.260	<0.0200	12.5
BKG02 - 0.5ft	10/02/2024	0.5	0.947	19.5	<0.200	<0.30	2.61	8.59	1.70	<0.260	<0.0200	11.0
BKG02 - 2ft	10/02/2024	2.0	1.25	33.9	<0.200	<0.30	2.33	3.46	2.72	<0.260	<0.0200	11.1
BKG02 - 3ft	10/02/2024	3.0	0.928	40.7	<0.200	<0.30	2.32	2.99	2.53	<0.260	<0.0200	10.1
BKG02 - 4ft	10/02/2024	4.0	1.05	32.2	<0.200	<0.30	2.32	3.24	2.68	<0.260	<0.0200	10.4
BKG02 - 5ft	10/02/2024	5.0	0.901	29.0	<0.200	<0.30	2.17	3.08	2.23	<0.260	<0.0200	9.34
BKG02 - 8ft	10/02/2024	8.0	1.01	37.9	<0.200	<0.30	2.56	3.47	2.84	<0.260	<0.0200	11.8
BKG02 - 9ft	10/02/2024	9.0	0.999	43.1	<0.200	<0.30	2.46	3.48	3.05	<0.260	<0.0200	12.2
BKG03 - 0.5ft	10/02/2024	0.5	0.832	16.7	<0.200	<0.30	2.17	5.04	1.52	<0.260	<0.0200	9.02
BKG03 - 2ft	10/02/2024	2.0	0.839	19.2	<0.200	<0.30	2.01	4.22	1.56	<0.260	<0.0200	8.24
BKG03 - 3ft	10/02/2024	3.0	0.861	22.2	<0.200	<0.30	2.18	4.42	1.66	<0.260	<0.0200	8.81
BKG03 - 4ft	10/02/2024	4.0	0.818	25.3	<0.200	<0.30	2.01	2.58	1.89	<0.260	<0.0200	8.56
BKG03 - 5ft	10/02/2024	5.0	0.772	26.0	<0.200	<0.30	2.08	2.53	1.88	<0.260	<0.0200	8.61
BKG03 - 8ft	10/02/2024	8.0	1.03	29.8	<0.200	<0.30	2.44	2.81	1.98	<0.260	<0.0200	8.67
BKG03 - 9ft	10/02/2024	9.0	1.55	42.6	<0.200	<0.30	3.06	3.73	2.30	<0.260	<0.0200	9.58
BKG04 - 0.5ft	10/02/2024	0.5	0.984	20.6	<0.179	<0.30	3.01	4.97	1.68	<0.232	<0.0179	10.2
BKG04 - 2ft	10/02/2024	2.0	0.996	31.1	<0.200	<0.30	2.99	2.89	1.93	<0.260	<0.0200	8.67
BKG04 - 3ft	10/02/2024	3.0	1.20	34.4	<0.200	<0.30	3.43	3.41	2.37	<0.260	<0.0200	10.3
BKG04 - 4ft	10/02/2024	4.0	1.38	38.8	<0.200	<0.30	3.46	3.63	2.57	<0.260	<0.0200	11.0
BKG04 - 5ft	10/02/2024	5.0	1.33	38.2	<0.200	<0.30	3.21	3.34	2.57	<0.260	0.0223	10.9
BKG04 - 8ft	10/02/2024	8.0	1.21	33.5	<0.200	<0.30	2.93	3.11	2.23	<0.260	<0.0200	9.69
BKG04 - 9ft	10/02/2024	9.0	1.24	34.9	<0.200	<0.30	3.21	4.05	2.29	<0.260	0.0212	10.1
BKG05 - 0.5ft	10/02/2024	0.5	1.00	17.7	<0.200	<0.30	2.75	4.75	1.48	<0.260	<0.0200	8.24

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
JEPSEN-63N65W 2NESW, WELD COUNTY, COLORADO
REM # 27984

Sample ID	Sample Date	Depth (ft)	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)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
BKG05 - 2ft	10/02/2024	2.0	0.999	28.8	<0.200	<0.30	2.82	2.76	1.91	<0.260	<0.0200	8.74
BKG05 - 3ft	10/02/2024	3.0	1.04	31.9	<0.200	<0.30	3.10	3.15	2.14	<0.260	<0.0200	9.58
BKG05 - 4ft	10/02/2024	4.0	1.61	40.8	<0.200	<0.30	3.81	3.81	2.77	<0.260	0.0217	12.3
BKG05 - 5ft	10/02/2024	5.0	1.21	34.8	<0.200	<0.30	3.08	3.14	2.58	<0.260	0.0249	10.2
BKG05 - 8ft	10/02/2024	8.0	1.51	48.6	<0.200	<0.30	2.89	3.96	2.99	<0.260	0.0201	11.9
BKG05 - 9ft	10/02/2024	9.0	1.33	35.0	<0.200	<0.30	3.30	4.09	2.32	<0.260	<0.0200	10.5
Maximum Background Concentration at 0.5 Feet			1.25	25.8	<0.200	<0.30	3.76	10.7	2.13	<0.260	<0.0200	13.8
Maximum Background Concentration at 2 Feet			1.59	42.9	<0.200	<0.30	3.74	5.28	3.40	<0.260	<0.0200	14.1
Maximum Background Concentration at 3 Feet			1.50	50.9	<0.200	<0.30	4.29	5.53	3.16	<0.260	0.0264	12.9
Maximum Background Concentration at 4 Feet			2.01	51.0	<0.200	<0.30	4.76	4.76	3.46	<0.260	0.0271	15.4
Maximum Background Concentration at 5 Feet			1.66	47.8	<0.200	<0.30	4.01	4.18	3.23	<0.260	0.0311	13.6
Maximum Background Concentration at 8 Feet			1.89	60.8	<0.200	<0.30	3.66	4.95	3.75	<0.260	0.0251	14.9
Maximum Background Concentration at 9 Feet			1.94	53.9	<0.200	<0.30	4.13	5.11	3.88	<0.260	0.0265	15.6

- Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
- Red** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.
- Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
- Non-detect background results accounted for in the highest background concentration by using the reporting limit.

ECMC = Energy & Carbon Management Commission

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

mg/kg = Milligrams per kilogram

ft. = Feet

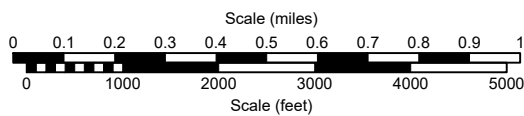
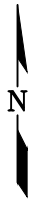
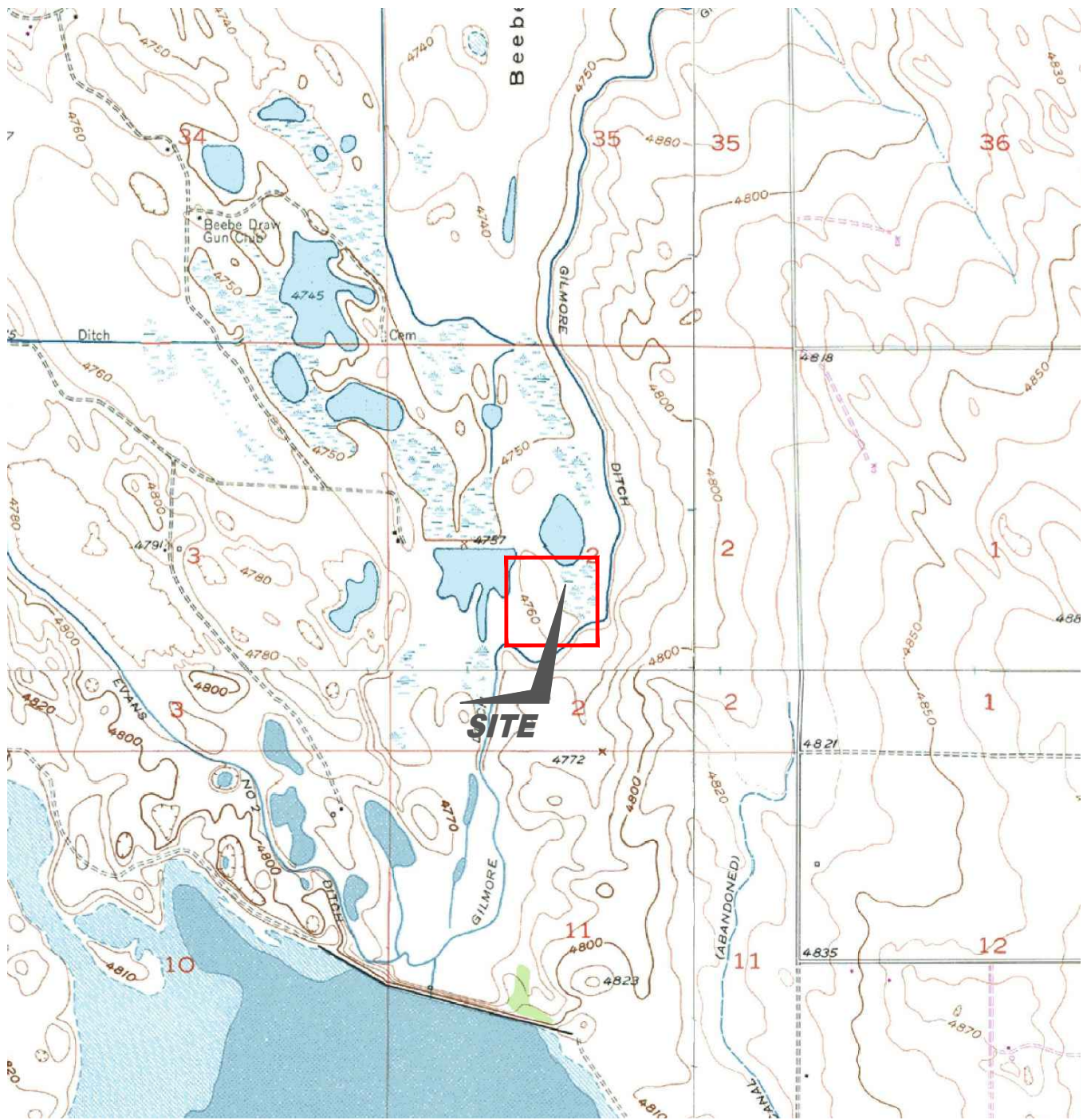
bgs = Below ground surface

* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed/Not applicable

Source material characterization sample, excavated and transported off site for disposal.

Material excavated and transported off site for disposal.



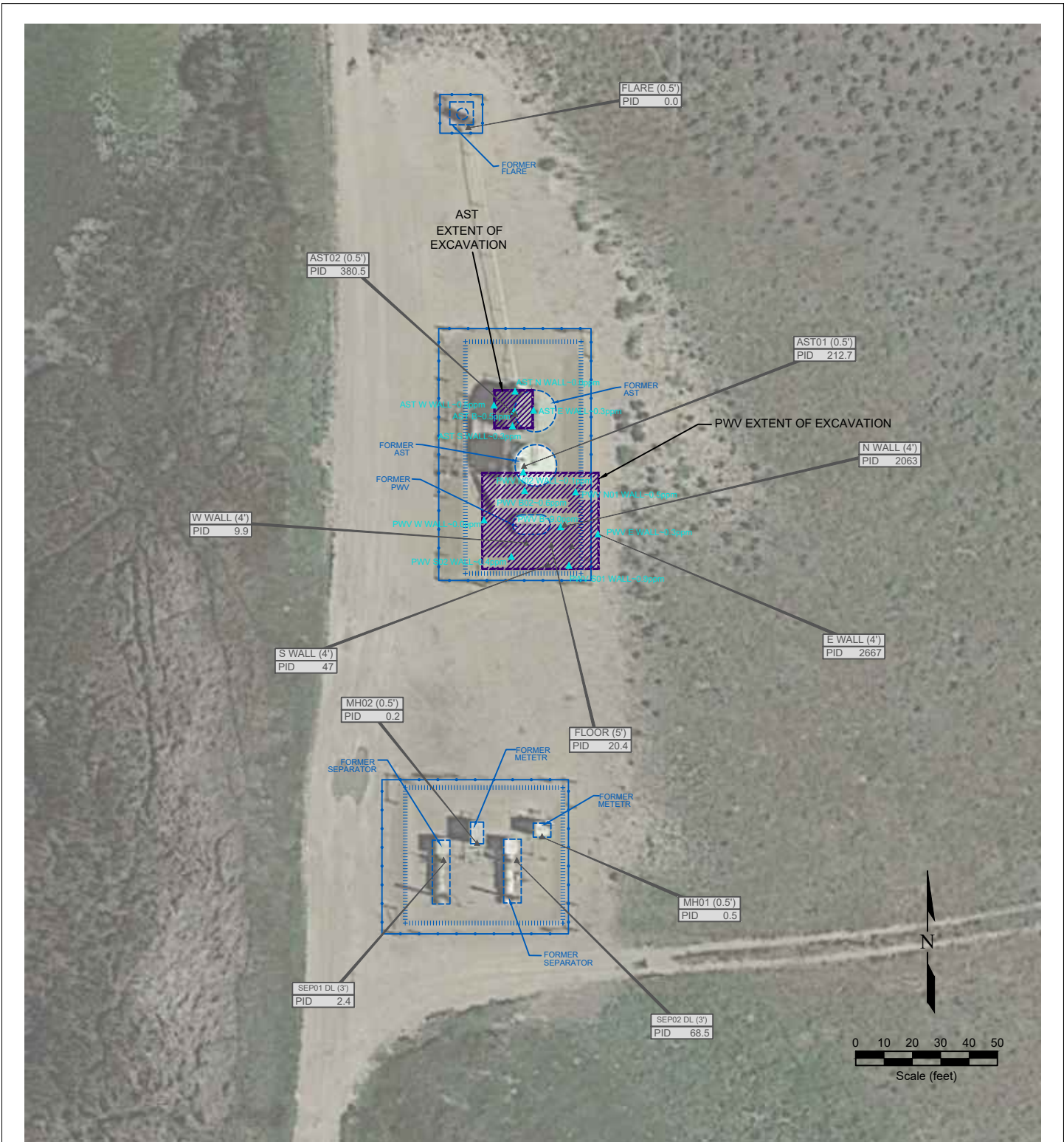
USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1
SITE LOCATION MAP

NOBLE ENERGY INC - JEPSEN-63N65W
 NESW Sec. 2, T3N, R65W, 6th PM
 Weld County, Colorado
 40.252642°, -104.632524°

Project # CO23-220	API #	Facility # 332956
Date 1/17/25	Remediation # 27984	Filename 23220T





LEGEND

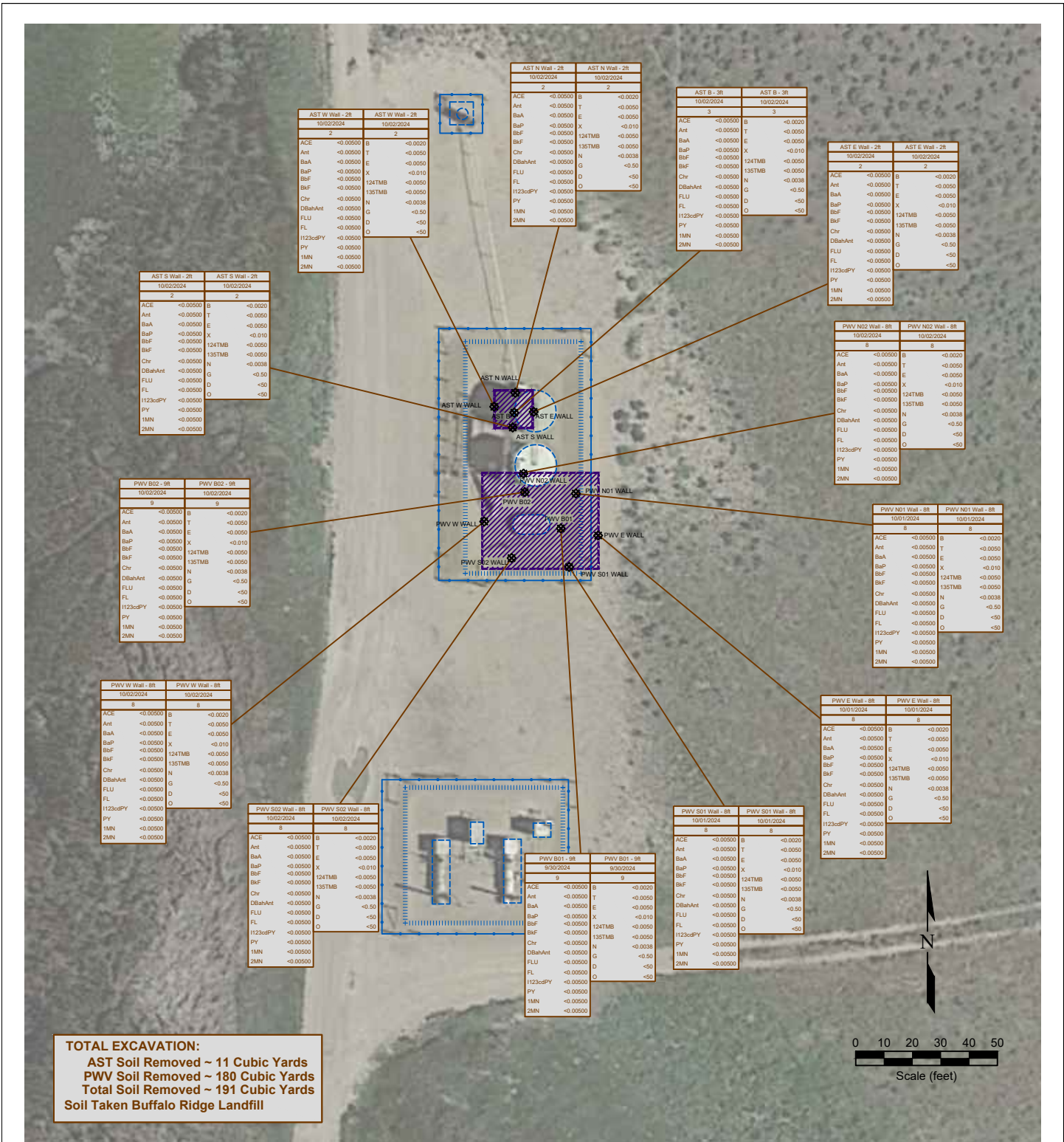
- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- ▲ DECOMMISSIONING PID READING LOCATION
- ▲ EXCAVATION PID READING LOCATION
- PID READING LOCATION IDENTIFICATION PHOTO IONIZATION DETECTION (ppm)
- FORMER FACILITY
- AREA OF EXCAVATION
- EXTENT OF EXCAVATION
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

**Figure 2
SITE MAP**

NOBLE ENERGY INC - JEPSSEN-63N65W
 NESW Sec. 2, T3N, R65W, 6th PM
 Weld County, Colorado
 40.252642°, -104.632524°

Project No. CO23-220	API #	Facility # 332956
Date 1/17/25	Remediation # 27984	Filename 23220QFC





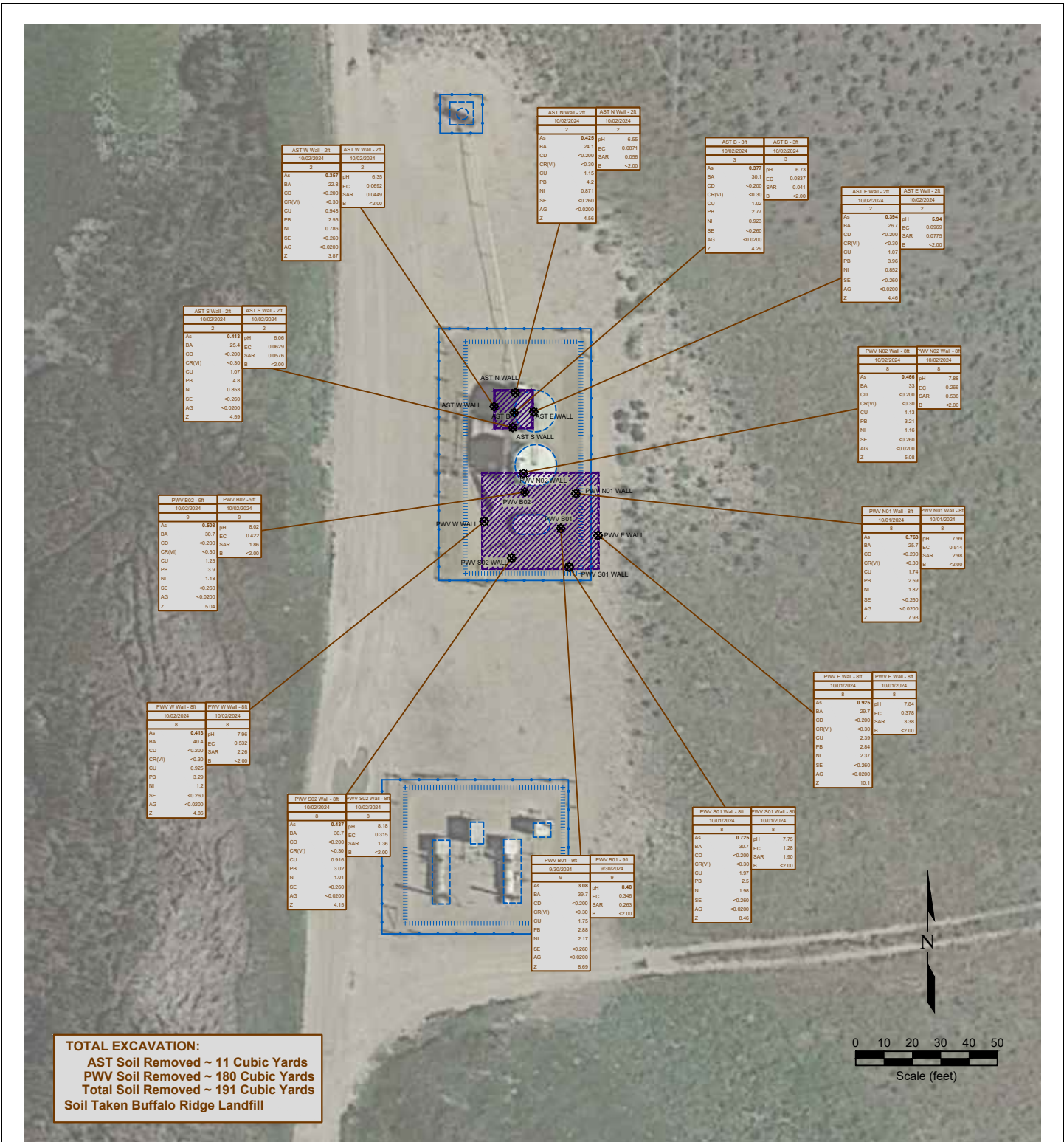
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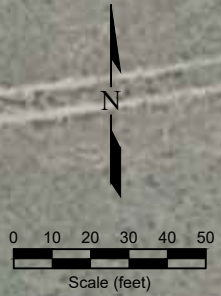
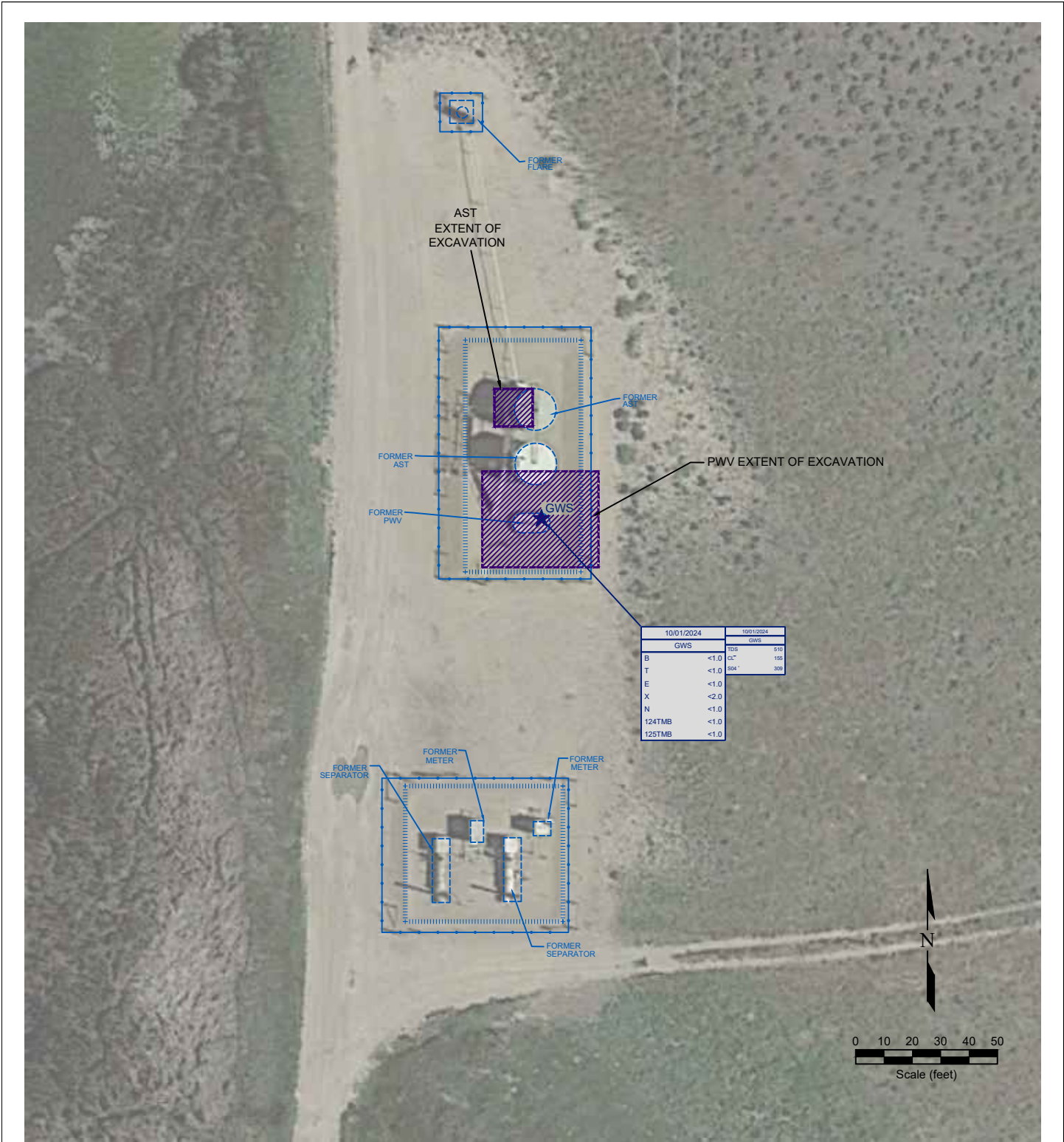
- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- FORMER FACILITY
- EXTENT OF EXCAVATION
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

SAMPLE ID	SAMPLE ID	SAMPLE ID	SAMPLE ID
DATE	DATE SAMPLED	DATE	DATE SAMPLED
DEPTH	DEPTH (ft)	DEPTH	DEPTH (ft)
ACE	<0.00500	ACE	<0.00500
Ant	<0.00500	Ant	<0.00500
BaA	<0.00500	BaA	<0.00500
BaP	<0.00500	BaP	<0.00500
BbF	<0.00500	BbF	<0.00500
Chr	<0.00500	Chr	<0.00500
DBahAnt	<0.00500	DBahAnt	<0.00500
FLU	<0.00500	FLU	<0.00500
FL	<0.00500	FL	<0.00500
1123cdPY	<0.00500	1123cdPY	<0.00500
PY	<0.00500	PY	<0.00500
1MN	<0.00500	1MN	<0.00500
2MN	<0.00500	2MN	<0.00500

Figure 3
ORGANIC SOIL CHEMISTRY MAP
NOBLE ENERGY INC - JEPSEN-63N65W
 NESW Sec. 2, T3N, R65W, 6th PM
 Weld County, Colorado
 40.252642°, -104.632524°

Project No. CO23-220	API #	Facility # 332956
Date 1/17/25	Remediation # 27984	Filename 23220QFC





LEGEND

- WELL HEAD LOCATION
- ABOVE GROUND STORAGE TANK
- ★ GROUNDWATER SAMPLE LOCATION
- FORMER FACILITY
- AREA OF EXCAVATION
- EXTENT OF EXCAVATION
- FENCE LINE
- CONTAINMENT BERM
- CONTAINMENT WALL

10/01/2024	
GWS	
B	<1.0
T	<1.0
E	<1.0
X	<2.0
N	<1.0
124TMB	<1.0
125TMB	<1.0

DATE SAMPLED
SAMPLE ID
BENZENE (ug/L)
TOLUENE (ug/L)
ETHYLBENZENE (ug/L)
TOTAL XYLENES (ug/L)
NAPHTHALENE (ug/L)
1,2,4-TRIMETHYLBENZENE (ug/L)
1,3,5-TRIMETHYLBENZENE (ug/L)

10/01/2024	
TDS	GWS
CL*	155
894'	309

DATE SAMPLED
SAMPLE ID
BENZENE (ug/L)
TOLUENE (ug/L)
ETHYLBENZENE (ug/L)

Figure 5
GROUNDWATER CHEMISTRY MAP

NOBLE ENERGY INC - JEPSSEN-63N65W
 NESW Sec. 2, T3N, R65W, 6th PM
 Weld County, Colorado
 40.252642°, -104.632524°

Project No. CO23-220	API #	Facility # 332956
Date 1/17/25	Remediation # 27984	Filename 23220QFC



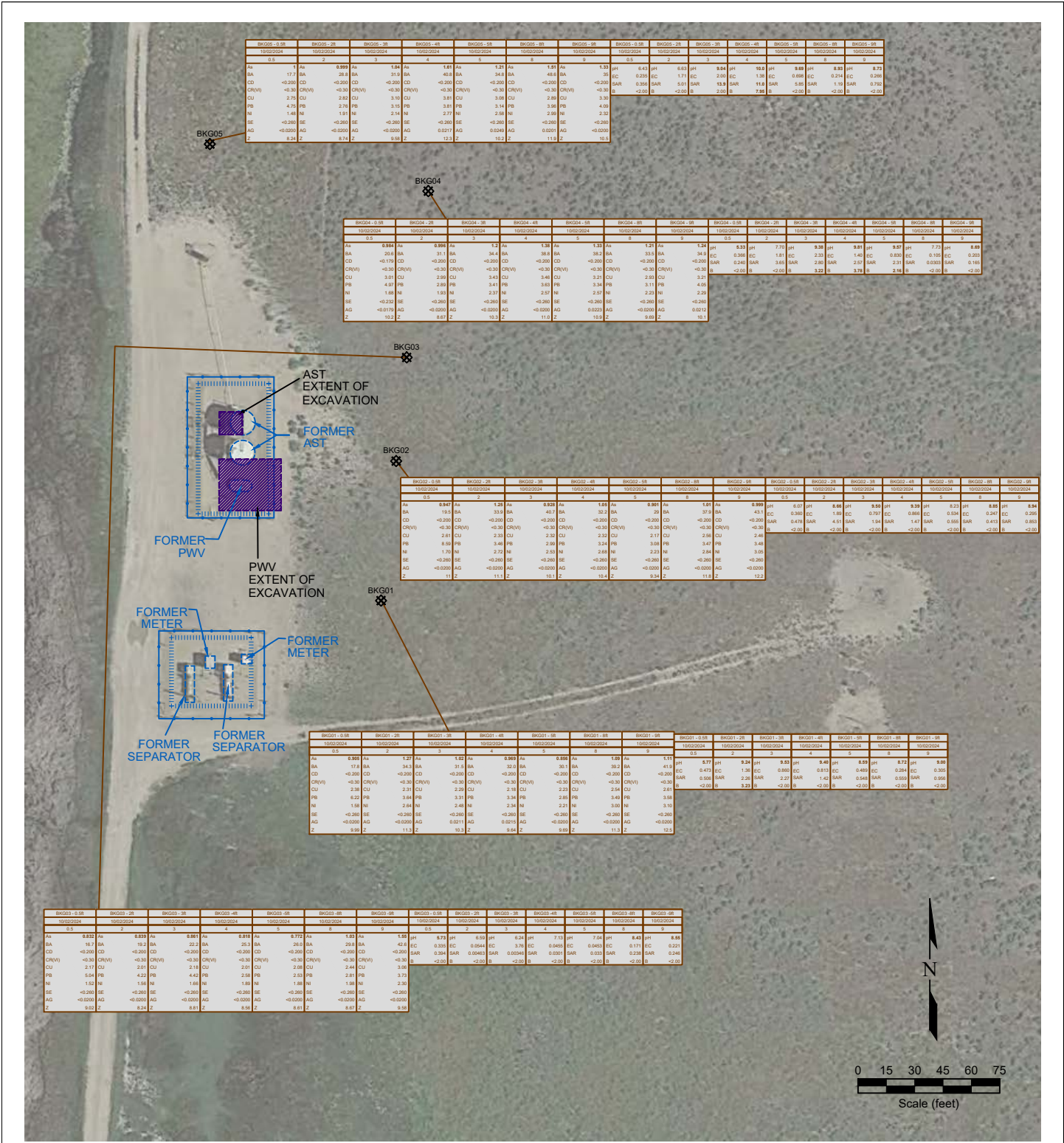


Figure 6
BACKGROUND SAMPLE SOIL CHEMISTRY MAP
 October 2, 2024

NOBLE ENERGY INC - JEPSEN-63N65W
 NESW Sec. 2, T3N, R65W, 6th PM
 Weld County, Colorado
 40.252642°, -104.632524°

Project No. CO23-220	API #	Facility # 332956
Date 1/17/25	Remediation # 27984	Filename 23220QFCBKG

