

TABLE 1
 FIELD DATA SUMMARY TABLE
 NOBLE 100322
 DERR #21-4, WELD COUNTY, COLORADO
 REM # 29994

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude/Longitude			
SEP01-FL@4'	11/10/2023	4	40.4316229	-104.6679313	NR	7.5
SEP02-FL@4'	11/10/2023	4	40.4315945	-104.6679795	NR	3.5
FLR01@4'	11/10/2023	4	40.4313283	-104.6634472	NR	3.4
FL01-01@4'	11/10/2023	4	40.4315523	-104.6644822	NR	2.1
FL01-02@4'	11/10/2023	4	40.4315442	-104.6652881	NR	8.4
FL01-03 @ 4'	11/10/2023	4	40.4315106	-104.6661357	NR	3.9
FL01-04 @ 4'	11/10/2023	4	40.4315086	-104.6670516	NR	2.9
SEP02-FL@5'	8/7/2025	5	40.431593	-104.667982	0.87	0.0
SEP01-FL@5'	8/7/2025	5	40.431624	-104.667927	1.05	0.6
FL01-04@5'	8/7/2025	5	40.431507	-104.667054	0.97	0.1
WH01-E@6'	11/10/2025	6	40.431335	-104.663458	0.895563	0.5
WH01-N@6'	11/10/2025	6	40.431353	-104.663475	0.896946	0.6
WH01-W@6'	11/10/2025	6	40.431342	-104.663511	0.996386	0.6
WH01-S@6'	11/10/2025	6	40.431318	-104.663483	0.929548	0.5
WH01@7'	11/10/2025	7	40.431338	-104.663482	0.968467	0.6
FL01-01@5'	11/10/2025	5	40.431549	-104.664482	0.9	0.3
BKG01@4'	11/10/2023	4	40.4314992	-104.6635756	NR	0.0
BKG01@5'	8/7/2025	5	40.431875	-104.664577	0.97	3.1
BKG02@5'	8/7/2025	5	40.432120	-104.664544	0.93	0.3
BKG03 @6'	11/10/2025	6	40.431996	-104.667693	1.20	0.2
BKG04 @7'	11/10/2025	7	40.432017	-104.668145	1.30	0.3
BKG05 @5'	11/10/2025	5	40.431706	-104.668146	1.20	0.4

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

ft = Feet

NR = Not Recorded

TABLE 2
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA
NOBLE 100322
DERR #21-4, WELD COUNTY, COLORADO
REM # 29994

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**		
WH-FS-01@6'	9/6/2023	6	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-01@5'	9/6/2023	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-02 @ 5'	9/6/2023	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-03 @ 5'	9/6/2023	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
WH-SS-04 @ 5'	9/6/2023	5	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00380	<500	<0.200	<25.0	<100
FLR01@4'	11/10/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL01-01@4'	11/10/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
FL01-04@4'	11/10/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
SEP01-FL@4'	11/10/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
SEP02-FL@4'	11/10/2023	4	<0.0020	<0.0050	<0.0050	<0.010	<0.0050	<0.0050	<0.0038	<500	<0.50	<50	<50
SEP02-FL@5'	8/7/2025	5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<500	<0.200	<25.0	<100
SEP01-FL@5'	8/7/2025	5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<500	<0.200	<25.0	<100
FL01-04@5'	8/7/2025	5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.004	<500	<0.200	<25.0	<100
WH01-E@6'	11/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.218	<27.6	<110
WH01-N@6'	11/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.209	<26.1	<104
WH01-W@6'	11/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.220	<27.0	<108
WH01-S@6'	11/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.231	<28.8	<115
WH01@7'	11/10/2025	7	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.207	<26.0	<104
FL01-01@5'	11/10/2025	5	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.057	<500	<0.232	<28.9	<116

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)
 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
ECMC = Energy & Carbon Management Commission

TABLE 3
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA
NOBLE 100322
DERR #21-4, WELD COUNTY, COLORADO
REM # 29994

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
FLR01 @ 4'	11/10/2023	4	<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
FL01-01 @ 4'	11/10/2023	4	<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
FL01-04 @ 4'	11/10/2023	4	<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
SEP01-FL @ 4'	11/10/2023	4	<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-FL @ 4'	11/10/2023	4	<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-FL@5'	8/7/2025	5	<0.020	<0.020	0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
SEP01-FL@5'	8/7/2025	5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
FL01-04@5'	8/7/2025	5	<0.020	<0.020	<0.005	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.002	<0.002
WH01-E@6'	11/10/2025	6	<0.022	<0.022	<0.005	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002
WH01-N@6'	11/10/2025	6	<0.021	<0.021	<0.005	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.002	<0.002
WH01-W@6'	11/10/2025	6	<0.022	<0.022	<0.005	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002
WH01-S@6'	11/10/2025	6	<0.023	<0.023	<0.006	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.002	<0.002
WH01@7'	11/10/2025	7	<0.021	<0.021	<0.005	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.002	<0.002
FL01-01@5'	11/10/2025	5	0.191	0.315	0.409	0.352	0.255	0.147	0.386	0.052	0.972	0.159	0.189	0.911	0.052	0.047

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)

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

mg/kg = Milligrams per kilogram

ft = Feet

ECMC = Energy & Carbon Management Commission

TABLE 4
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION
NOBLE 100322
DERR #21-4, WELD COUNTY, COLORADO
REM # 29994

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
FLR01 @ 4'	11/10/2023	4	7.65	0.116	0.0881	<2.00
FL01-01 @ 4'	11/10/2023	4	9.02	1.31	0.838	<2.00
FL01-04 @ 4'	11/10/2023	4	7.48	0.143	1.04	<2.00
SEP01-FL @ 4'	11/10/2023	4	8.37	0.176	0.0456	<2.00
SEP02-FL @ 4'	11/10/2023	4	8.77	0.217	0.0458	<2.00
SEP02-FL@5'	8/7/2025	5	8.14	0.406	0.0894	0.847
SEP01-FL@5'	8/7/2025	5	8.18	0.480	0.216	0.715
FL01-04@5'	8/7/2025	5	8.08	2.94	5.89	0.542
WH01-E@6'	11/10/2025	6	8.10	0.411	0.680	0.229
WH01-N@6'	11/10/2025	6	8.25	0.277	0.685	<0.104
WH01-W@6'	11/10/2025	6	8.29	0.276	0.867	0.113
WH01-S@6'	11/10/2025	6	8.30	0.280	0.984	<0.116
WH01@7'	11/10/2025	7	8.50	0.216	0.935	<0.105
FL01-01@5'	11/10/2025	5	7.88	1.07	0.761	0.911
BKG01@4'	11/10/2023	4	8.77	1.24	1.14	<2.00
BKG01@5'	8/7/2025	5	8.14	1.15	1.59	0.498
BKG02@5'	8/7/2025	5	8.27	0.643	1.34	0.195
BKG03 @6'	11/10/2025	6	8.72	0.146	1.07	<0.101
BKG04 @7'	11/10/2025	7	8.76	0.185	1.22	<0.102
BKG05 @5'	11/10/2025	5	7.82	2.34	1.48	1.25
Maximum Background Concentration			8.77	2.34	1.59	1.25

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

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

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

ECMC = Energy & Carbon Management Commission

ft = Feet

TABLE 5
SUMMARY OF METALS IN SOIL CHEMISTRY DATA
NOBLE 100322
DERR #21-4, WELD COUNTY, COLORADO
REM # 29994

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
FLR01@4'	11/10/2023	4	1.52	74.2	0.233	<0.30	4.12	5.57	2.16	<0.260	0.0271	9.18
FL01-01@4'	11/10/2023	4	1.70	65.4	<0.200	<0.30	2.39	4.30	2.27	0.267	0.0277	7.85
FL01-04@4'	11/10/2023	4	1.33	18.2	<0.200	<0.30	1.65	2.21	1.60	0.716	<0.0200	5.20
SEP01-FL@4'	11/10/2023	4	1.25	59.8	<0.200	<0.30	2.41	5.86	2.10	0.280	0.0278	9.61
SEP02-FL@4'	11/10/2023	4	1.68	82.6	0.320	<0.30	3.31	6.61	2.54	0.405	0.0354	12.5
SEP02-FL@5'	8/7/2025	5	5.56	120	<0.375	<0.116	<45.4	14.5	<25.6	0.395	<0.789	<365
SEP01-FL@5'	8/7/2025	5	5.46	124	<0.352	<0.119	<42.6	<13.0	<24.1	0.416	<0.742	<343
FL01-04@5'	8/7/2025	5	5.18	145	<0.345	<0.127	<41.8	<12.7	<23.6	0.661	<0.726	<336
WH01-E@6'	11/10/2025	6	4.22	90.1	<0.283	<0.220	<34.2	<10.4	<19.3	0.191	<0.595	<275
WH01-N@6'	11/10/2025	6	3.53	122	<0.248	<0.212	<30.0	<9.14	<17.0	0.374	<0.522	<242
WH01-W@6'	11/10/2025	6	3.88	<59.7	<0.277	<0.214	<33.5	<10.2	<18.9	<0.179	<0.583	<269
WH01-S@6'	11/10/2025	6	2.55	<60.7	<0.281	<0.227	<34.0	<10.4	<19.2	<0.182	<0.592	<274
WH01@7'	11/10/2025	7	1.31	<58.0	<0.269	<0.207	<32.6	<9.91	<18.4	<0.174	<0.566	<262
FL01-01@5'	11/10/2025	5	9.15	131	<0.309	0.184	<37.4	11.5	<21.1	0.531	<0.650	<301
BKG01@4'	11/10/2023	4	1.81	61.1	<0.200	<0.30	2.45	4.72	2.44	<0.260	0.0269	8.27
BKG01@5'	8/7/2025	5	5.67	107	<0.366	<0.144	<44.3	<13.5	<25.0	0.267	<0.771	<356
BKG02@5'	8/7/2025	5	33.2	134	<0.357	<0.104	<43.2	<13.2	<24.4	0.653	<0.752	<348
BKG03 @6'	11/10/2025	6	2.63	<55.4	<0.257	<0.207	<31.1	<9.46	<17.6	<0.166	<0.541	<250
BKG04 @7'	11/10/2025	7	2.18	<55.4	<0.257	<0.206	<31.1	<9.46	<17.6	<0.166	<0.541	<250
BKG05 @5'	11/10/2025	5	5.38	130	<0.298	0.203	<36.0	37.8	<20.4	0.391	<0.626	<290
1.25x Maximum Background Concentration			41.5	168	-	0.254	3.06	47.3	3.05	0.816	0.0336	10.34

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
2. **Red** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.
3. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
4. 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