

# Chevron Rockies Business Unit

## Field Qualitative Criteria for ECMC Reporting Associated with the Discovery of Potentially Impacted Material

If answered **Yes** to any of the questions listed below, this may suggest the presence of potentially impacted materials as outlined in ECMC Rule 912. Out of an abundance of caution, a “Yes” response will be reported to the ECMC within 24 hours after discovery, regardless of laboratory results. **Immediately notify the RBU Remediation Team.** Include a copy of this Field Qualitative Spill Criteria Checklist in the field Report.

Please answer the following questions when on-site:

1. Is there visible petroleum hydrocarbon staining in the soil?  
(Yes / **No**)
2. Does the soil sample from the stained area have a petroleum odor?  
(Yes / **No**)
3. Is there a petroleum hydrocarbon sheen on the nearby surface water?  
(Yes / **No**)
4. Does there appear to be a sheen on the surface of accumulated groundwater or seeps within the excavation indicative of petroleum?  
(Yes / **No**)
5. Is stained soil in contact with groundwater?  
(Yes / **No**)

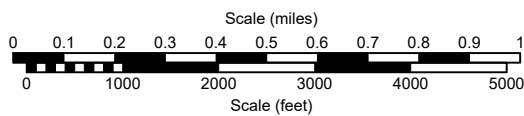
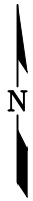
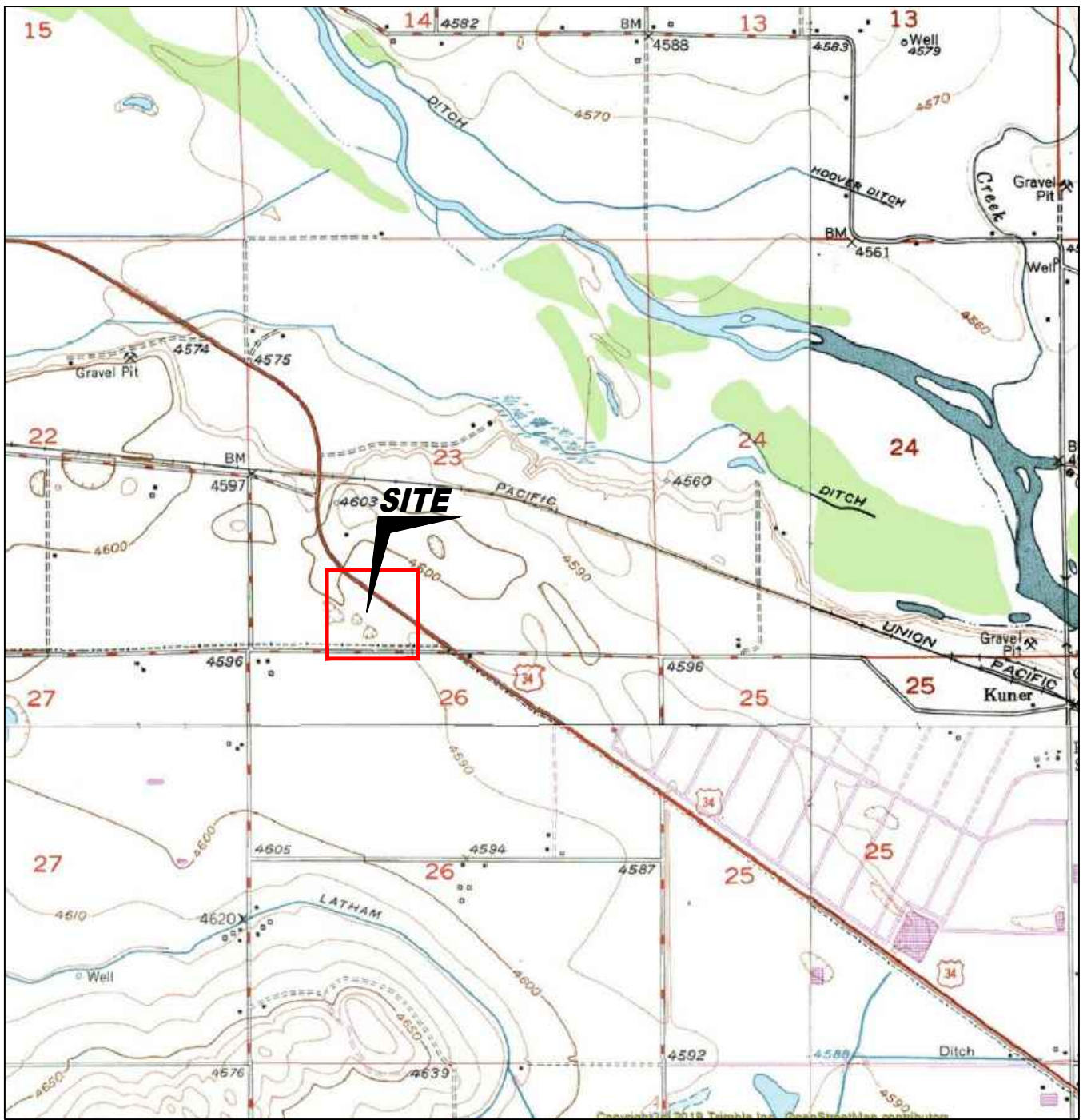
Please Include relevant photos of the site conditions for items 1-5.

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Location name: UPRC-65N64W 23SESW TB (REM # 22296)

Please Circle Facility Type: Well / Flowline / **Production Facility** / Other

SITE NAME / REM: UPRC-65N64W 23SESW (Facility) / REM #22296								DATE: 9/10/2025	WEATHER: 76F and Sunny	
TYPE OF WORK: Tank Battery Decommissioning Re-sampling								CLIENT: Noble Energy Inc.		
LAT/LONG: 40.378094, -104.519704								PERSONNEL: TC		
ESTIMATED DEPTH TO GROUNDWATER: Groundwater not encountered								OTHER OBSERVATIONS: None		
<b>SOIL SAMPLING</b>								<b>FACILITY INFRASTRUCTURE</b>		
Date	Soil Sample ID	Soil Type	PID (ppm)	Staining (Y/N)	Odor (Y/N)	Time	Sent to lab on Ice? (Y/N)	EQUIPMENT		Quantity
								Above Ground Storage Tank (AST)		2
9/10/2025	WAST01 6ft	SP	0.6	N	N	11:00	Y	Buried or Partially Buried Vessel		2
9/10/2025	EAST01 6ft	SP	0.8	N	N	11:10	Y	Separator		2
9/10/2025	SSEP01 6ft	SP	0.2	N	N	11:20	Y	Emission Control Device (ECD)		2
9/10/2025	EPWVN01 6ft	SP	6.5	N	N	11:30	Y	Dump Line		1
9/10/2025	WPWVN01 6ft	SP	0.9	N	N	11:40	Y	Wellhead		-
9/10/2025	EPWVB01 7ft	SP	1.1	N	N	11:50	Y	Flowline		-
9/10/2025	WPWVB01 7ft	SP	0.1	N	N	12:00	Y	Third Party Equipment:		2 Meter Houses
9/10/2025	NSEP01 6ft	SP	0.5	N	N	12:10	Y	Other:		-
9/10/2025	BKG06 0.5ft	SP	0.0	N	N	12:30	Y	Soil Loads Removed		
9/10/2025	BKG06 6ft	SP	0.0	N	N	12:40	Y	IMPACTED SOIL IDENTIFIED? No		
9/10/2025	BKG06 7ft	SP	0.0	N	N	12:50	Y	ESTIMATED VOLUME OF IMPACTS: NA		
9/10/2025	BKG07 0.5ft	SP	0.0	N	N	13:00	Y	Date	Number	CY
9/10/2025	BKG07 6ft	SP	0.0	N	N	13:10	Y			
9/10/2025	BKG07 7ft	SP	0.0	N	N	13:20	Y			
9/10/2025	BKG08 0.5ft	SP	0.0	N	N	13:30	Y			
9/10/2025	BKG08 6ft	SP	0.0	N	N	13:40	Y			
9/10/2025	BKG08 7ft	SP	0.0	N	N	13:50	Y	Total Removed		
9/10/2025	BKG09 0.5ft	SP	0.0	N	N	14:00	Y	Disposal Facility:		
9/10/2025	BKG09 6ft	SP	0.0	N	N	14:10	Y	Groundwater Recovery		
9/10/2025	BKG09 7ft	SP	0.0	N	N	14:20	Y	DATE GW ENCOUNTERED: NA	DEPTH:	
9/10/2025	BKG10 0.5ft	SP	0.0	N	N	14:30	Y	GROUNDWATER IN CONTACT WITH IMPACTED SOIL?		
9/10/2025	BKG10 6ft	SP	0.0	N	N	14:40	Y	LNAPL OR SHEEN OBSERVED ON GW?		
9/10/2025	BKG10 7ft	SP	0.0	N	N	14:50	Y	Date	BBLs	
<b>GROUNDWATER SAMPLING</b>										
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?	Sent to lab on Ice? (Y/N)			
								Total Removed		
								Disposal Facility:		



USGS 7.5 MINUTE SERIES (TOPOGRAPHIC)

Figure 1  
SITE LOCATION MAP

**NOBLE ENERGY, INC. ~ UPRC-65N64W 23SESW**  
 SESW Sec. 23, T5N, R64W, 6th PM  
 Weld County, Colorado  
 40.378094°, -104.519704°

Project # <b>C022-075</b>	API #	Facility ID
Date <b>8/16/22</b>	Remediation #	Filename <b>22075T</b>



TABLE 1  
FIELD DATA SUMMARY TABLE  
NOBLE 100322  
UPRC-65N64W 23SESW, WELD COUNTY, COLORADO  
REM # 22296

Sample ID	Sample Date	Depth (ft)	GPS Data		PDOP Value	VOC Concentration (ppm)
			Latitude	Longitude		
WAST01 6ft	9/10/2025	6	40.378091	-104.519767	-	0.6
EAST01 6ft	9/10/2025	6	40.378094	-104.519704	-	0.8
SSEP01 6ft	9/10/2025	6	40.378091	-104.520107	-	0.2
EPWVN01 6ft	9/10/2025	6	40.378127	-104.519829	-	6.5
WPWVN01 6ft	9/10/2025	6	40.378128	-104.519857	-	0.9
EPWVB01 7ft	9/10/2025	7	40.378105	-104.519827	-	1.1
WPWVB01 7ft	9/10/2025	7	40.378106	-104.519853	-	0.1
NSEP01 6ft	9/10/2025	6	-	-	-	0.5
BKG06 0.5ft	9/10/2025	0.5	-	-	-	0.0
BKG06 6ft	9/10/2025	6	-	-	-	0.0
BKG06 7ft	9/10/2025	7	-	-	-	0.0
BKG07 0.5ft	9/10/2025	0.5	-	-	-	0.0
BKG07 6ft	9/10/2025	6	-	-	-	0.0
BKG07 7ft	9/10/2025	7	-	-	-	0.0
BKG08 0.5ft	9/10/2025	0.5	-	-	-	0.0
BKG08 6ft	9/10/2025	6	-	-	-	0.0
BKG08 7ft	9/10/2025	7	-	-	-	0.0
BKG09 0.5ft	9/10/2025	0.5	-	-	-	0.0
BKG09 6ft	9/10/2025	6	-	-	-	0.0
BKG09 7ft	9/10/2025	7	-	-	-	0.0
BKG10 0.5ft	9/10/2025	0.5	-	-	-	0.0
BKG10 6ft	9/10/2025	6	-	-	-	0.0
BKG10 7ft	9/10/2025	7	-	-	-	0.0

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

TABLE 2  
SUMMARY OF VOLATILE ORGANIC SOIL CHEMISTRY DATA  
NOBLE 100322  
UPRC-65N64W 23SESW, WELD COUNTY, COLORADO  
REM # 22296

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**		
WAST01 6ft	9/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.213	<26.7	<107
EAST01 6ft	9/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.211	<26.4	<105
SSEP01 6ft	9/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.228	<28.5	<114
EPWVN01 6ft	9/10/2025	6	<0.002	<0.002	<0.002	0.012	0.007	0.004	0.004	35.264	0.264	35	<107
WPWVN01 6ft	9/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.224	<28.0	<112
EPWVB01 7ft	9/10/2025	7	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.217	<27.2	<109
WPWVB01 7ft	9/10/2025	7	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<500	<0.296	<37.0	<148
NSEP01 6ft	9/10/2025	6	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<500	<0.232	<29.0	<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)
  3. \* Indicates laboratory minimum detection limit in excess of SSL
  4. \*\* Summation of GRO+DRO+ORO must be less than 500 mg/kg
  5. Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).
- (<) = 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  
AP = Analysis pending  
NA = Not analyzed

TABLE 3  
SUMMARY OF POLYCYCLIC AROMATIC HYDROCARBON SOIL CHEMISTRY DATA  
NOBLE 100322  
UPRC-65N64W 23SESW, WELD COUNTY, COLORADO  
REM # 22296

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
WAST01 6ft	9/10/2025	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
EAST01 6ft	9/10/2025	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
SSEP01 6ft	9/10/2025	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
EPWVN01 6ft	9/10/2025	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	<b>0.021</b>	<b>0.045</b>
WPWVN01 6ft	9/10/2025	6	<0.022	<0.022	<0.006	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.002	<0.002
EPWVB01 7ft	9/10/2025	7	<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
WPWVB01 7ft	9/10/2025	7	<0.030	<0.030	<0.007	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.003	<0.003
NSEP01 6ft	9/10/2025	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

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. Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).
- (<) = Analytical result is less than the indicated laboratory reporting limit.  
mg/kg = Milligrams per kilogram  
ft = Feet  
AP = Analysis pending  
NA = Not analyzed

TABLE 4  
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION  
NOBLE 100322  
UPRC-65N64W 23SESW, WELD COUNTY, COLORADO  
REM # 22296

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
WAST01 6ft	9/10/2025	6	7.94	0.500	0.609	0.166
EAST01 6ft	9/10/2025	6	7.71	1.32	1.38	0.160
SSEP01 6ft	9/10/2025	6	8.04	0.583	0.855	0.131
EPWVN01 6ft	9/10/2025	6	<b>9.60</b>	1.29	1.18	0.379
WPWVN01 6ft	9/10/2025	6	8.28	0.945	1.25	0.267
EPWVB01 7ft	9/10/2025	7	7.70	1.16	0.711	<0.109
WPWVB01 7ft	9/10/2025	7	<b>8.43</b>	0.437	2.95	0.818
NSEP01 6ft	9/10/2025	6	8.06	0.621	1.38	0.217
BKG06 0.5ft	9/10/2025	0.5	AP	AP	AP	AP
BKG06 6ft	9/10/2025	6	AP	AP	AP	AP
BKG06 7ft	9/10/2025	7	AP	AP	AP	AP
BKG07 0.5ft	9/10/2025	0.5	AP	AP	AP	AP
BKG07 6ft	9/10/2025	6	AP	AP	AP	AP
BKG07 7ft	9/10/2025	7	AP	AP	AP	AP
BKG08 0.5ft	9/10/2025	0.5	AP	AP	AP	AP
BKG08 6ft	9/10/2025	6	AP	AP	AP	AP
BKG08 7ft	9/10/2025	7	AP	AP	AP	AP
BKG09 0.5ft	9/10/2025	0.5	AP	AP	AP	AP
BKG09 6ft	9/10/2025	6	AP	AP	AP	AP
BKG09 7ft	9/10/2025	7	AP	AP	AP	AP
BKG10 0.5ft	9/10/2025	0.5	AP	AP	AP	AP
BKG10 6ft	9/10/2025	6	AP	AP	AP	AP
BKG10 7ft	9/10/2025	7	AP	AP	AP	AP
Maximum Background Concentration			NA	NA	NA	NA

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.

4. Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).

ft = Feet

EC = Electrical Conductivity

SAR = Sodium adsorption ratio

mmhos/cm = millimhos per centimeter

mg/L = milligrams per liter

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

AP = Analysis pending

NA = Not analyzed

TABLE 5  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
NOBLE 100922  
UPRC-65N64W 23SESU, WELD COUNTY, COLORADO  
REM # 22296

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
WAST01 6ft	9/10/2025	6	2.36	74.4	<0.262	AP	<31.7	<9.65	<17.9	<0.169	<0.551	<255
EAST01 6ft	9/10/2025	6	2.36	69.9	<0.282	AP	<34.2	<10.4	<19.3	<0.183	<0.594	<275
SSEP01 6ft	9/10/2025	6	4.27	109	<0.297	AP	<36.0	<10.9	<20.3	<0.192	<0.626	<289
EPWVN01 6ft	9/10/2025	6	2.10	88.7	<0.281	AP	<34.0	<10.4	<19.2	<0.182	<0.592	<274
WPWVN01 6ft	9/10/2025	6	2.23	66.6	<0.300	AP	<36.3	<11.0	<20.5	<0.194	<0.631	<292
EPWVB01 7ft	9/10/2025	7	2.35	75.2	<0.281	AP	<34.0	<10.4	<19.2	<0.182	<0.592	<274
WPWVB01 7ft	9/10/2025	7	3.79	190	<0.374	AP	<45.3	15.6	<25.6	<0.242	<0.788	<364
NSEP01 6ft	9/10/2025	6	7.47	152.0	<0.311	AP	<37.6	13.2	<21.3	<0.201	<0.654	<302
BKG06 0.5ft	9/10/2025	0.5	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG06 6ft	9/10/2025	6	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG06 7ft	9/10/2025	7	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG07 0.5ft	9/10/2025	0.5	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG07 6ft	9/10/2025	6	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG07 7ft	9/10/2025	7	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG08 0.5ft	9/10/2025	0.5	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG08 6ft	9/10/2025	6	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG08 7ft	9/10/2025	7	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG09 0.5ft	9/10/2025	0.5	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG09 6ft	9/10/2025	6	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG09 7ft	9/10/2025	7	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG10 0.5ft	9/10/2025	0.5	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG10 6ft	9/10/2025	6	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
BKG10 7ft	9/10/2025	7	AP	AP	AP	AP	AP	AP	AP	AP	AP	AP
1.25x Maximum Background Concentration			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
  2. **Bold** 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.
  5. Samples are reported as dry weight unless otherwise indicated in the laboratory PDF report(s).
- (-) = Analytical result is less than the indicated laboratory reporting limit.  
mg/kg = Milligrams per kilogram  
ft = Feet
- \* Indicates laboratory minimum detection limit in excess of SSL  
AP = Analysis pending  
NA = Not analyzed



***Description:***

SSEP01 location facing E

# Photo Log



**Description:**

NSEP01 location facing E



***Description:***

WPWVB01 location facing E

# Photo Log



**Description:**

WPWVN01 location

# Photo Log



**Description:**

EPWVN01 location facing E

# Photo Log



**Description:**

EPWVB01 location facing E



***Description:***

WAST01 location facing E



***Description:***

EAST01 location facing East