

- ★ Wellhead
- ▲ Background Sample Location
- Flowline



**MONTROSE ENVIRONMENTAL**

Montrose Environmental Group  
Date: 8/27/2025

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**Historical Background Sampling Locations  
(7/29/2025)**


SLW GREEN STATE BB18-09

Noble-100322      Facility Number: 251454  
 NESE/S18/T5N/R63W      REM Number: 36766  
 Weld County, Colorado      API Number: 05-123-19257

Figure 1

0 100 200 400 600 800  
 Feet

Coord. Sys.: GCS North American 1983





**TABLE 1**  
**FIELD DATA SUMMARY TABLE**  
**NOBLE 100322**  
**SLW GREEN STATE BB18-09, WELD COUNTY, COLORADO**  
**REM # 36766**

Sample ID	Sample Date	Depth (ft-bgs)	GPS Data		VOC Concentration (ppm)
			Latitude/Longitude		
BKG01@4'	7/29/2025	4	40.397616	-104.472806	NC
BKG01@6'	7/29/2025	6	40.397616	-104.472806	NC
BKG02@4'	7/29/2025	4	40.397002	-104.472192	NC
BKG02@6'	7/29/2025	6	40.397002	-104.472192	NC
BKG03@4'	7/29/2025	4	40.396476	-104.472745	NC
BKG03@6'	7/29/2025	6	40.396476	-104.472745	NC
BKG04@4'	7/29/2025	4	40.396548	-104.473540	NC
BKG04@6'	7/29/2025	6	40.396548	-104.473540	NC
BKG05@4'	7/29/2025	4	40.396979	-104.473789	NC
BKG05@6'	7/29/2025	6	40.396979	-104.473789	NC

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).

ppm - Parts per million

ft-bgs - feet below ground surface

**TABLE 2**  
**SUMMARY OF SOIL SUITABILITY FOR RECLAMATION**  
**NOBLE 100322**  
**SLW GREEN STATE BB18-09, WELD COUNTY, COLORADO**  
**REM # 36766**

Sample ID	Sample Date	Depth (ft-bgs)	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@4'	7/29/2025	4	7.19	0.0968	0.129	<0.0996
BKG01@6'	7/29/2025	6	7.91	0.237	0.0959	<0.1000
BKG02@4'	7/29/2025	4	8.11	0.204	0.0656	0.1460
BKG02@6'	7/29/2025	6	8.20	0.190	0.0703	0.2060
BKG03@4'	7/29/2025	4	7.69	0.112	0.1070	<0.1000
BKG03@6'	7/29/2025	6	8.02	0.223	0.0625	<0.0997
BKG04@4'	7/29/2025	4	8.13	0.184	0.0832	<0.0997
BKG04@6'	7/29/2025	6	8.16	0.169	0.0655	0.1080
BKG05@4'	7/29/2025	4	8.09	0.177	0.0553	0.1270
BKG05@6'	7/29/2025	6	8.21	0.169	0.0638	0.1640
Maximum Background Concentration			8.21	0.240	0.1300	0.2060

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

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s)

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

4. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit

mg/L - milligrams per liter

Not Analyzed

NA - Not Applicable

TABLE 3  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
NOBLE 100322  
SLW GREEN STATE BB18-09, WELD COUNTY, COLORADO  
REM # 36766

Sample ID	Sample Date	Depth (ft-bgs)	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@4'	7/29/2025	4	<b>2.36</b>	<69.2	<0.321	<0.30	<38.8	<11.8	<21.9	<0.219	<0.675	<312
BKG01@6'	7/29/2025	6	<b>2.11</b>	<73.1	<0.339	<0.30	<41.0	<12.5	<23.2	<0.232	<0.716	<330
BKG02@4'	7/29/2025	4	<b>2.63</b>	<73.4	<0.340	<0.30	<41.2	<12.5	<23.3	<0.233	<0.716	<331
BKG02@6'	7/29/2025	6	<b>2.71</b>	<75.7	<0.351	<0.30	<42.5	<12.9	<24.0	<0.240	<0.739	<342
BKG03@4'	7/29/2025	4	<b>2.50</b>	<78.2	<0.363	<0.29	<43.9	<13.4	<24.8	<0.248	<0.763	<353
BKG03@6'	7/29/2025	6	<b>2.29</b>	<77.4	<0.359	<0.29	<43.4	<13.2	<24.5	<0.245	<0.755	<349
BKG04@4'	7/29/2025	4	<b>2.10</b>	<72.0	<0.334	<0.29	<40.4	<12.3	<22.8	<0.228	<0.702	<325
BKG04@6'	7/29/2025	6	<b>2.09</b>	<75.9	<0.352	<0.29	<42.6	<13.0	<24.1	<0.241	<0.740	<342
BKG05@4'	7/29/2025	4	<b>2.18</b>	<70.4	<0.326	<0.29	<39.5	<12.0	<22.3	<0.223	<0.686	<317
BKG05@6'	7/29/2025	6	<b>3.23</b>	<78.5	<0.364	<0.29	<44.1	<13.4	<24.9	<0.249	<0.766	<354
Maximum Background Concentration X 1.25			4.03	-	-	-	-	-	-	-	-	-

1. **Bold** faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
  1. **Red** faced 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. Grey highlighted soil analytical values indicate result is less than laboratory reporting limit
- \* Indicates laboratory reporting or minimum detection limit in excess of SSL
- ft-bgs - feet below ground surface  
mg/kg - milligrams per kilogram



# Photo Log

**SLW GREEN STATE BB18-09**

**July 29, 2025**

**Initial BKG01 Photo**



**BKG01 Closure Photo**



**Initial BKG02 Photo**



**BKG02 Closure Photo**



**Initial BKG03 Photo**



**BKG03 Closure Photo**



**Initial BKG04 Photo**



**BKG04 Closure Photo**



**Initial BKG05 Photo**



**BKG05 Closure Photo**

