



## TABLES

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TABLE 1  
 FIELD DATA SUMMARY TABLE  
 OPERATOR (NOBLE 100322)  
 BROWN-USX AA 3-23, WELD COUNTY, COLORADO  
 REM # 30240

Sample ID	Sample Date	Depth (ft bgs)	GPS Data Latitude	GPS Data Longitude	PDOP Value	VOC Concentration (ppm)
30240-BG-01-SO-8-20250613	06/13/2025	8	40.51239	-104.41796		2.6
30240-BG-02-SO-8-20250613	06/13/2025	8	40.51225	-104.41801		2.8
30240-BG-03-SO-8-20250613	06/13/2025	8	40.51219	-104.41781		13.2
30240-BG-04-SO-6-20250613	06/13/2025	6	40.51235	-104.41769		12.3

Notes:

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83.
  2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).
- ECMC = Energy and Carbon Management Commission  
 PDOP = Position Dilution of Precision  
 ppm = Parts per million  
 ft bgs = Feet below ground surface

TABLE 2  
SUMMARY OF SOIL SUITABILITY FOR RECLAMATION  
OPERATOR (NOBLE 100322)  
BROWN-USX AA 3-23, WELD COUNTY, COLORADO  
REM # 30240

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
30240-BG-01-SO-8-20250613	06/13/2025	8	7.94	3.60	<b>6.16</b>	0.961
30240-BG-02-SO-8-20250613	06/13/2025	8	8.12	1.99	5.54	0.881
30240-BG-03-SO-8-20250613	06/13/2025	8	7.86	2.28	2.36	0.642
30240-BG-04-SO-6-20250613	06/13/2025	6	7.93	1.55	2.96	0.342
Maximum Background Concentration			NA	NA	6.16	NA
Notes:  1. Bold faced values exceed the ECMC Table 915-1 limit(s), but are within background concentrations. 2. <b>Bold</b> faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations. 3. <b>Brown highlighted soil analytical values indicate an exceedance of Table 915-1.</b> ECMC = Energy and Carbon Management Commission NA - Not analyzed ft bgs = Feet below ground surface mg/L = milligrams per liter  Assume wet weight on all historical data unless the lab data specifies wet vs. dry.						

TABLE 3  
SUMMARY OF METALS IN SOIL CHEMISTRY DATA  
OPERATOR (NOBLE 100322)  
BROWN-USX AA 3-23, WELD COUNTY, COLORADO  
REM # 30240

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
30240-BG-01-SO-8-20250613	06/13/2025	8	4.38	92.3	0.237	< 0.200*	11.1	11.0	12.3	0.549	< 0.500	< 50.0
30240-BG-02-SO-8-20250613	06/13/2025	8	4.54	83.9	0.198	< 0.200*	< 10.0	12.2	< 10.0	0.470	< 0.500	< 50.0
30240-BG-03-SO-8-20250613	06/13/2025	8	4.81	89.1	0.249	< 0.200*	11.5	11.2	11.0	0.824	< 0.500	50.5
30240-BG-04-SO-6-20250613	06/13/2025	6	4.12	69.7	0.192	< 0.200*	< 10.0	< 10.0	< 10.0	0.620	< 0.500	< 50.0
1.25x Maximum Background Concentration			6.07	115	NA	NA	NA	NA	NA	1.03	NA	NA

Notes:

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.

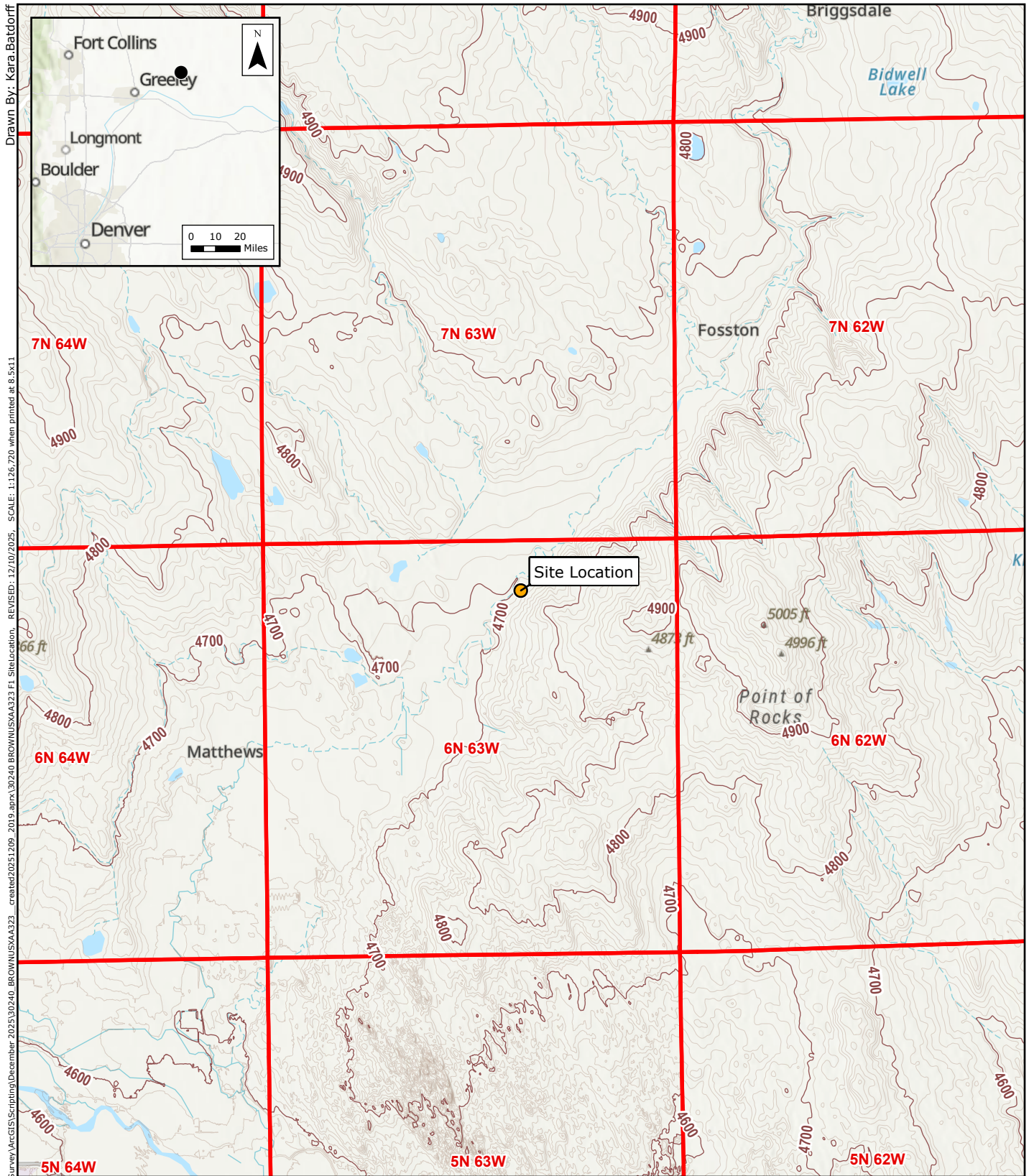
ECMC = Energy and Carbon Management Commission  
(<) = Analytical result is less than the indicated laboratory reporting limit.  
ft bgs = Feet below ground surface  
mg/kg = Milligrams per kilogram  
\* Indicates laboratory minimum detection limit in excess of SSL  
NA - Not analyzed

Assume wet weight on all historical data unless the lab data specifies wet vs. dry.



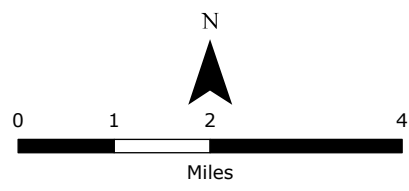
## FIGURES

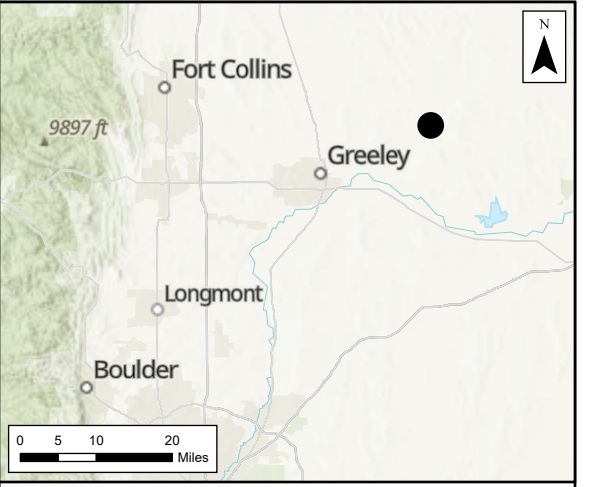
- FIGURE 1: TOPOGRAPHIC SITE LOCATION
- FIGURE 2: SOIL SAMPLE LOCATIONS
- FIGURE 3: EXCEEDANCE VALUES IN SOIL SAMPLES - SSR
- FIGURE 4: EXCEEDANCE VALUES IN SOIL SAMPLES - METALS



**Figure 1**  
**Topographic Site Location**  
**BROWN-USX AA 3-23**  
**REM# 30240**  
**Operator: 100322**  
 RBU Remediation Field Survey  
 Chevron  
 Weld County, CO  
 104.41791°W 40.51231°N  
 NWSE Sec03 T6N R63W PM6  
 API# 123-24609

N = North  
 E = East  
 S = South  
 W = West  
 Sec = Section  
 T = Township  
 R = Range  
 PM = Principal Meridian

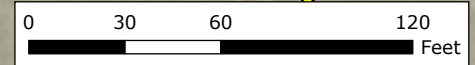




**Legend**

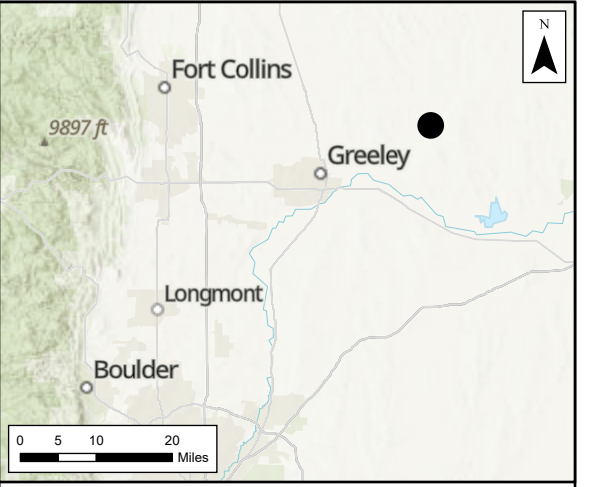
- Soil Sample Location
- Approximate Flowline

Notes:  
 SO = Soil  
 BG = Background  
 FL = Flowline  
 WH = Wellhead  
 N = North  
 E = East  
 S = South  
 W = West  
 Sec = Section  
 T = Township  
 R = Range  
 PM = Principal Meridian



**Figure 2**  
**Soil Sample Locations**  
 BROWN-USX AA 3-23  
 REM# 30240  
 Operator: 100322  
 RBURemediationFieldSurvey  
 Chevron  
 Weld County, CO  
 104.41791°W 40.51231°N  
 NWSE Sec03 T6N R63W PM6  
 API# 123-24609





**Legend**

- Soil Sample Location
- Approximate Flowline

Notes:

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

**Red** values are above ECMC Table 915-1 limit(s) and 1x maximum background concentrations.

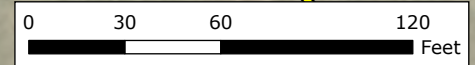
ECMC Table 915-1 Soil Suitability for Reclamation  
SAR = 6 [unitless] (max. BG = 6.16)

SAR = Sodium Adsorption Ratio

ECMC = Energy and Carbon Management Commission  
ft bgs = feet below ground surface  
BG = Background  
FL = Flowline  
WH = Wellhead  
SSR = Soil Suitability for Reclamation

**Figure 3**  
**Exceedance Values**  
**in Soil Samples - SSR**  
 BROWN-USX AA 3-23  
 REM# 30240  
 Operator: 100322  
 RBU Remediation Field Survey  
 Chevron  
 Weld County, CO  
 104.41791°W 40.51231°N  
 NWSE Sec03 T6N R63W PM6  
 API# 123-24609

N = North  
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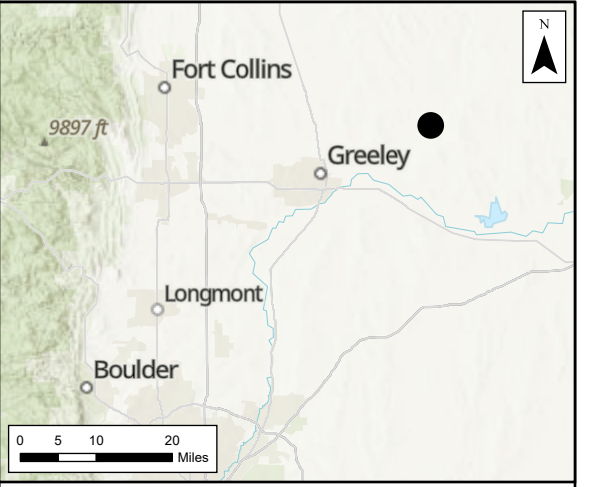


**30240-BG-01-SO-8-20250613**  
 8 ft bgs  
 13 Jun 2025  
 Arsenic: **4.38** mg/kg  
 Barium: **92.3** mg/kg  
 Selenium: **0.549** mg/kg

**30240-BG-04-SO-6-20250613**  
 6 ft bgs  
 13 Jun 2025  
 Arsenic: **4.12** mg/kg  
 Selenium: **0.620** mg/kg

**30240-BG-02-SO-8-20250613**  
 8 ft bgs  
 13 Jun 2025  
 Arsenic: **4.54** mg/kg  
 Barium: **83.9** mg/kg  
 Selenium: **0.470** mg/kg

**30240-BG-03-SO-8-20250613**  
 8 ft bgs  
 13 Jun 2025  
 Arsenic: **4.81** mg/kg  
 Barium: **89.1** mg/kg  
 Selenium: **0.824** mg/kg



**Legend**

- Soil Sample Location
- Approximate Flowline

Notes:  
 Results in milligrams per kilogram (mg/kg) unless otherwise noted.  
**Green** values exceed the ECMC Table 915-1 limit(s), but are within 1.25x maximum background concentrations.  
**Red** values are above ECMC Table 915-1 limit(s) and 1.25x maximum background concentrations.

Analytical results below laboratory detection limits, or within compliance of ECMC Table 915-1 not shown.

ECMC Table 915-1 GSSLs Listed in mg/kg  
 Arsenic = 0.29 (max. BG = 4.81) (1.25x max. BG = 6.01)  
 Barium = 82 (max. BG = 92.3) (1.25x max. BG = 115)  
 Selenium = 0.26 (max. BG = 0.824) (1.25x max. BG = 1.03)

ECMC = Energy and Carbon Management Commission  
 ft bgs = feet below ground surface  
 SO = Soil  
 BG = Background  
 FL = Flowline  
 WH = Wellhead

**Figure 4**  
**Exceedance Values**  
**in Soil Samples - Metals**  
 BROWN-USX AA 3-23  
 REM# 30240  
 Operator: 100322  
 RBURemediationFieldSurvey  
 Chevron  
 Weld County, CO  
 104.41791°W 40.51231°N  
 NWSE Sec03 T6N R63W PM6  
 API# 123-24609

N = North  
 E = East  
 S = South  
 W = West  
 Sec = Section  
 T = Township  
 R = Range  
 PM = Principal Meridian

