

Alcorn-61N69W 10NWNE

NWNE Sec. 10-T1N-R69W

Facility ID: 470269

Remediation Project #: 38385

Form 19 Data Package

March 2025

Prepared by Tasman, Inc.



On behalf of Crestone Peak Resources Operating, LLC



PHOTO LOG



Photographic Log

<p> N NE E SE </p> <p> 330 0 30 60 90 120 150 </p> <p> ⊙ 62°NE (T) ● 40°4'9"N, 105°5'55"W ±16ft ▲ 5081ft </p>			<p> W NW N NE </p> <p> 270 300 330 0 30 60 </p> <p> ⊙ 353°N (T) ● 40°4'9"N, 105°5'54"W ±16ft ▲ 5080ft </p>				
<p style="color: yellow; font-size: 24px; font-weight: bold;">AST-B01@3"</p> <p style="text-align: right; font-size: 10px;">28 Mar 2025, 10:29:08</p>			<p style="color: yellow; font-size: 24px; font-weight: bold;">ECD-B02@5"</p> <p style="text-align: right; font-size: 10px;">28 Mar 2025, 10:35:43</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Soil sampling location				Notes/Conditions: Soil sampling location			



Photographic Log

<p>☉ 350°N (T) ● 40°4'9"N, 105°5'54"W ±16ft ▲ 5083ft</p>			<p>☉ 120°SE (T) ● 40°4'10"N, 105°5'55"W ±16ft ▲ 5085ft</p>				
<p>28 Mar 2025 11:05:30</p>			<p>28 Mar 2025 11:26:54</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Soil sampling location				Notes/Conditions: Soil sampling location			



Photographic Log

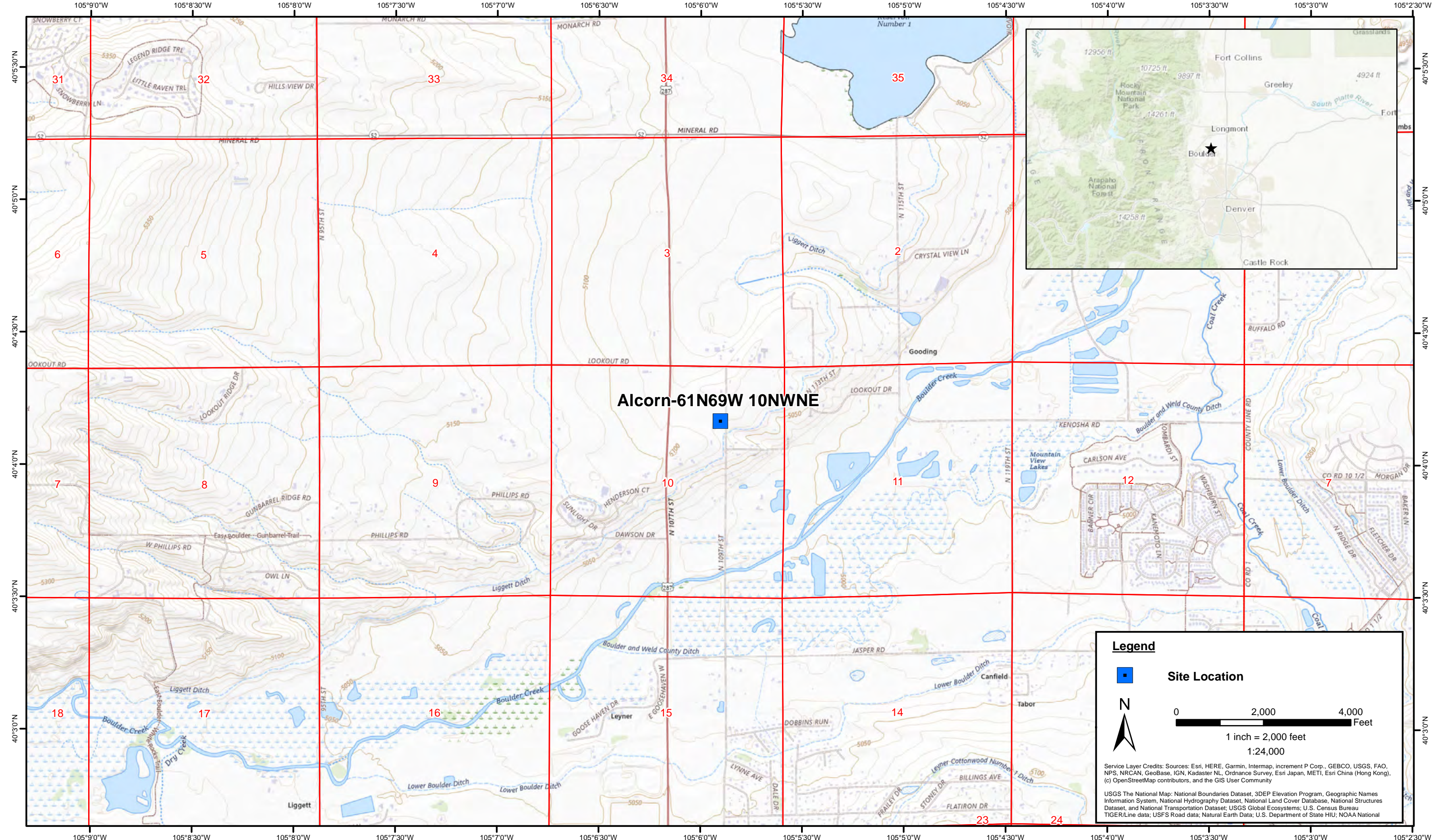
<p>SW W NW N 210 240 270 300 330 0 30 298°NW (T) 40°4'10"N, 105°5'55"W ±16ft ▲ 5085ft</p> <p>PWV-W01@3' PWV-N01@3'</p> <p>28 Mar 2025, 11:27:05</p>			<p>NW N NE E 300 330 0 30 60 90 16°N (T) 40°4'9"N, 105°5'55"W ±16ft ▲ 5082ft</p> <p>DL-B01@4' EL-B01@4'</p> <p>28 Mar 2025, 12:22:41</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:		Volume:		Material:		Volume:	
Contents:				Contents:			
Notes/Conditions: Soil sampling location				Notes/Conditions: Soil sampling location			



Photographic Log

Equipment ID:			Equipment Type:		
Material:		Volume:	Contents:		Contents:
Notes/Conditions: Soil sampling location			Notes/Conditions: Soil sampling location		

FIGURES



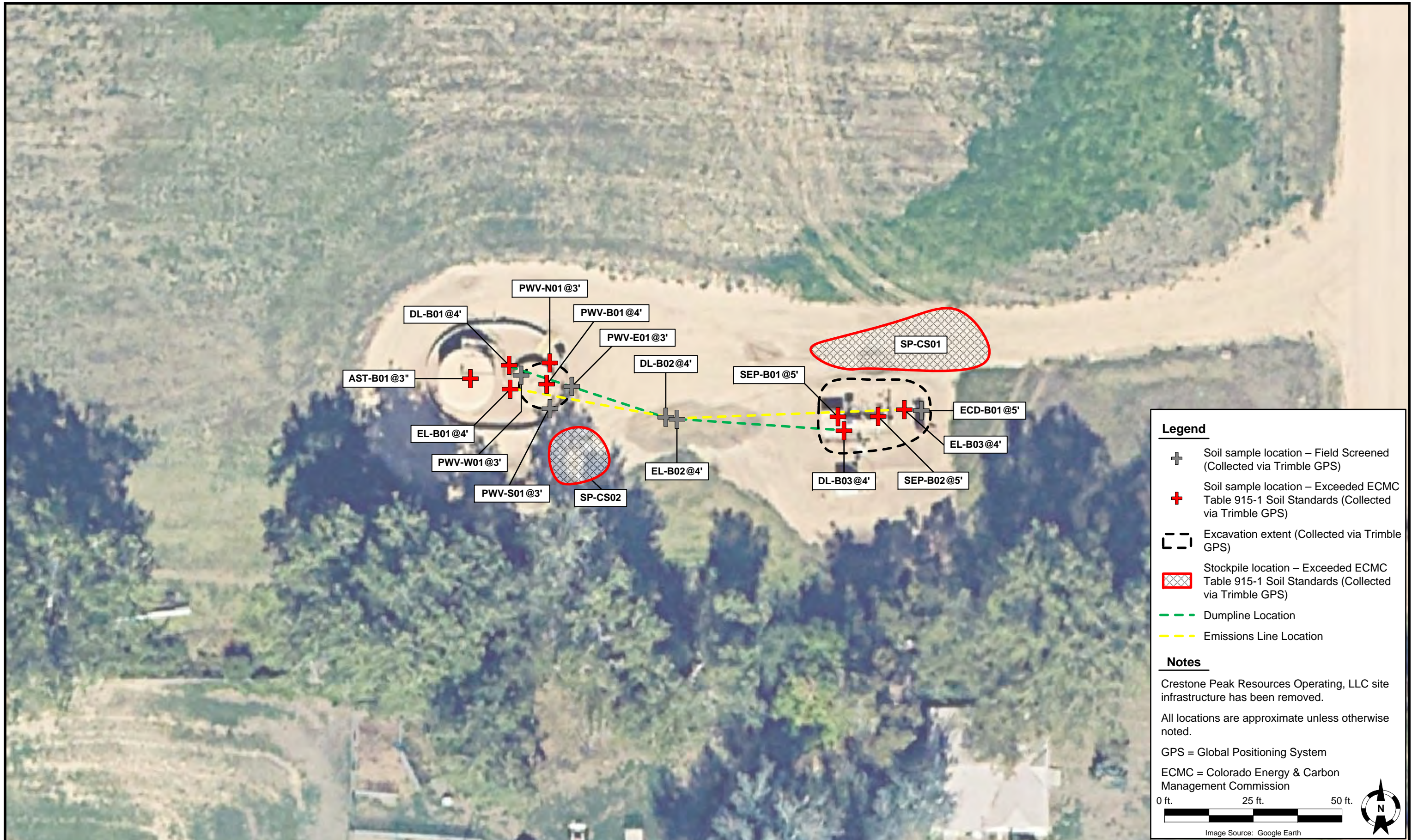
DATE:	April 2025
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Reed



Crestone Peak Resources Operating, LLC
Alcorn-61N69W 10NWNW
 NWNE Sec. 10-T1N-R69W
 Boulder County, Colorado

Site Location Map

Figure
1



- Legend**
- Soil sample location – Field Screened (Collected via Trimble GPS)
 - Soil sample location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
 - Excavation extent (Collected via Trimble GPS)
 - Stockpile location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
 - Dumpsite Location
 - Emissions Line Location

Notes

Crestone Peak Resources Operating, LLC site infrastructure has been removed.

All locations are approximate unless otherwise noted.

GPS = Global Positioning System

ECMC = Colorado Energy & Carbon Management Commission

0 ft. 25 ft. 50 ft.

Image Source: Google Earth

DATE:	April 8, 2025
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Molson



Tasman, Inc.
 6855 W119th Ave.
 Broomfield, CO 80020

Crestone Peak Resources Operating, LLC
 Alcorn-61N69W 10NWNE
 NWNE Sec. 10-T1N-R69W
 Boulder County, Colorado

Facility Soil Sample
 Location Map
 (03/28/2025)

Figure
 2

TABLES

TABLE 1
ALCORN-61N69W 10NWNE
SOIL SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
AST-B01@3'	3'	03/28/2025	1.6	40.069431	-105.098835	0.9	Y
ECD-B01@5'	5'	03/28/2025	11.4	40.069407	-105.098394	1.1	N
PWV-B01@4'	4'	03/28/2025	4.4	40.069426	-105.098758	-	Y
PWV-N01@3'	3'	03/28/2025	8.5	40.069444	-105.098754	0.9	Y
PWV-S01@3'	3'	03/28/2025	6.4	40.069410	-105.098754	0.9	N
PWV-E01@3'	3'	03/28/2025	6.8	40.069425	-105.098734	1	N
PWV-W01@3'	3'	03/28/2025	5.5	40.069434	-105.098785	0.8	N
SEP-B01@5'	5'	03/28/2025	15.6	40.069397	-105.098465	0.9	Y
SEP-B02@5'	5'	03/28/2025	2.5	40.069400	-105.098432	1	Y
SP-CS01	-	03/28/2025	1.9	40.069450	-105.098441	-	Y
DL-B01@4'	4'	03/28/2025	138.0	40.069441	-105.098795	1.2	Y
DL-B02@4'	4'	03/28/2025	2.5	40.069400	-105.098636	1.1	N
DL-B03@4'	4'	03/28/2025	12.5	40.069392	-105.098460	1.1	Y
EL-B01@4'	4'	03/28/2025	18.3	40.069423	-105.098792	1	Y
EL-B02@4'	4'	03/28/2025	0.9	40.069400	-105.098630	1.1	N
EL-B03@4'	4'	03/28/2025	2.5	40.069403	-105.098405	1	Y
SP-CS02	-	03/28/2025	6.4	40.069318	-105.098743	-	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not applicable

TABLE 2
ALCORN-61N69W 10NWNE
SOIL ANALYTICAL DATA - VOCs
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Naphthalene (mg/kg)	TVPH-GRO (mg/kg)	TEPH-DRO (mg/kg)	TEPH-ORO (mg/kg)	1,2,4-TMB (mg/kg)	1,3,5-TMB (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils - RSL ⁽²⁾			1.2	490	5.8	58	2	500			30	27
AST-B01@3'	3'	03/28/2025	<0.000467	0.00210	<0.000737	<0.000880	<0.00579	0.0383	<1.61	<0.274	<0.00158	<0.00200
PWV-B01@4'	4'	03/28/2025	<0.000467	0.00228	<0.000737	<0.000880	<0.00579	0.0555	3.15	11.6	<0.00158	<0.00200
PWV-N01@3'	3'	03/28/2025	<0.000467	0.00225	<0.000737	<0.000880	<0.00579	0.0471	4.92	8.50	<0.00158	<0.00200
SEP-B01@5'	5'	03/28/2025	0.000750	0.00463	<0.000737	0.00653	<0.00579	0.0663	25.5	33.9	<0.00158	0.00395
SEP-B02@5'	5'	03/28/2025	<0.000467	0.00255	<0.000737	<0.000880	<0.00579	0.0679	7.12	11.5	<0.00158	<0.00200
SP-CS01	-	03/28/2025	<0.000467	0.00260	<0.000737	<0.000880	<0.00579	0.0425	34.8	51.6	<0.00158	<0.00200
DL-B01@4'	4'	03/28/2025	<0.000467	0.00202	<0.000737	<0.000880	<0.00579	0.127	91.6	100	<0.00158	<0.00200
DL-B03@4'	4'	03/28/2025	<0.000467	0.00270	<0.000737	<0.000880	<0.00579	0.0737	61.7	87.6	<0.00158	0.00225
EL-B01@4'	4'	03/28/2025	<0.000467	0.00225	<0.000737	<0.000880	<0.00579	0.0925	363	346	0.00160	<0.00200
EL-B03@4'	4'	03/28/2025	<0.000467	0.00238	<0.000737	<0.000880	<0.00579	0.0485	3.95	3.99	<0.00158	<0.00200
SP-CS02	-	03/28/2025	<0.000467	0.00238	<0.000737	<0.000880	<0.00579	0.0570	33.9	25.6	<0.00158	<0.00200

Notes:

VOCs = Volatile Organic Compounds

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

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

mg/kg = milligrams per kilogram

TVPH - GRO = Total Volatile Petroleum Hydrocarbons - Gasoline Range Organics

TEPH - DRO = Total Extractable Petroleum Hydrocarbons - Diesel Range Organics

TEPH - ORO = Total Extractable Petroleum Hydrocarbons - Oil Range Organics

1,2,4 - TMB = 1,2,4 - Trimethylbenzene

1,3,5 - TMB = 1,3,5 - Trimethylbenzene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

- = Not applicable or constituent not analyzed

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 standard



TABLE 3
ALCORN-61N69W 10NWNE
SOIL ANALYTICAL DATA - PAHs
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)A (mg/kg)	Benzo(b)F (mg/kg)	Benzo(k)F (mg/kg)	Benzo(a)P (mg/kg)	Chrysene (mg/kg)	D (a,h) A (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	1,2,3-CD (mg/kg)	1-M (mg/kg)	2-M (mg/kg)	Pyrene (mg/kg)
ECMC Organic Compounds in Soils - GSSL ⁽¹⁾			0.55	5.8	0.011	0.3	2.9	0.24	9	0.96	8.9	0.54	0.98	0.006	0.019	1.3
ECMC Organic Compounds in Soils - RSL ⁽²⁾			360	1,800	1.1	1.1	11	0.11	110	0.11	240	240	1.1	18	24	180
AST-B01@3'	3'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
PWV-B01@4'	4'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
PWV-N01@3'	3'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	0.00223	<0.00201	0.00344	<0.00180	<0.00234	<0.00219	<0.00571	0.00342
SEP-B01@5'	5'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
SEP-B02@5'	5'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
SP-CS01	-	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	0.00295	<0.00571	0.00221
DL-B01@4'	4'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	0.00248	<0.00234	0.0102	0.0124	0.00278
DL-B03@4'	4'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
EL-B01@4'	4'	03/28/2025	<0.00162	0.00308	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	0.00446	<0.00234	0.0140	0.0206	0.00322
EL-B03@4'	4'	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
SP-CS02	-	03/28/2025	<0.00162	<0.00163	<0.00200	<0.00163	<0.00275	<0.00213	<0.00206	<0.00201	<0.00239	0.00281	<0.00234	0.0134	0.0289	<0.00205

Notes:

PAHs = Polycyclic Aromatic Hydrocarbons

(1) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

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

mg/kg = milligrams per kilogram

Benzo(a)A = Benzo(a)Anthracene

Benzo(b)F = Benzo(b)Fluoranthene

Benzo(k)F = Benzo(k)Fluoranthene

Benzo(a)P = Benzo(a)Pyrene

D (a,h) A = Dibenz(a,h)Anthracene

1,2,3-CD = Indeno(1,2,3-cd)Pyrene

1-M = 1-Methylnaphthalene

2-M = 2-Methylnaphthalene

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Soils - Residential Soil Screening Level Concentrations

- = Not applicable or constituent not analyzed

TABLE 4
ALCORN-61N69W 10NWN
SOIL ANALYTICAL DATA - METALS
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	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 Metals in Soils - GSSL ⁽¹⁾			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils - RSL ⁽²⁾			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
AST-B01@3'	3'	03/28/2025	2.06	49.1	<0.0855	<0.379	13.5	5.89	12.2	0.233	<0.0865	27.6
PWV-B01@4'	4'	03/28/2025	5.84	172	0.205	<0.379	13.4	11.5	15.9	0.912	<0.0865	50.4
PWV-N01@3'	3'	03/28/2025	3.77	103	0.139	<0.379	8.82	8.20	10.9	0.550	<0.0865	35.4
SEP-B01@5'	5'	03/28/2025	4.63	118	0.177	<0.379	10.9	10.3	12.2	0.669	<0.0865	41.2
SEP-B02@5'	5'	03/28/2025	5.10	259	0.171	<0.379	12.3	11.0	15.1	0.753	<0.0865	48.6
SP-CS01	-	03/28/2025	3.67	97.8	0.215	<0.379	9.62	8.53	9.99	0.477	<0.0865	34.7
DL-B01@4'	4'	03/28/2025	5.27	127	0.259	0.467	12.0	12.1	13.8	0.711	<0.0865	48.0
DL-B03@4'	4'	03/28/2025	4.72	130	0.196	<0.379	11.8	11.1	13.0	0.506	<0.0865	45.3
EL-B01@4'	4'	03/28/2025	4.47	112	0.143	<0.379	10.2	11.3	11.9	0.617	<0.0865	41.7
EL-B03@4'	4'	03/28/2025	5.44	160	0.235	<0.379	13.4	11.8	15.9	0.822	<0.0865	53.2
SP-CS02	-	03/28/2025	3.56	97.6	0.132	<0.379	9.48	8.45	10.2	0.565	<0.0865	36.4

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations (Effective January 15, 2021)

(2) Standards for soil are taken from ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

GSSL = Protection of Groundwater Screening Level

RSL = Residential Soil Screening Level

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

mg/kg = milligrams per kilogram

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Protection of Groundwater Soil Screening Level Concentrations

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Metals in Soils - Residential Soil Screening Level Concentrations

Italics = Laboratory minimum detection limit exceeds the ECMC Table 915-1 Standard

- = Not applicable or constituent not analyzed

TABLE 5
ALCORN-61N69W 10NWNE
SOIL ANALYTICAL DATA - SOIL RECLAMATION
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2
AST-B01@3'	3'	03/28/2025	9.61	2.23	0.174	0.0664
PWV-B01@4'	4'	03/28/2025	8.28	0.498	0.293	0.205
PWV-N01@3'	3'	03/28/2025	8.26	0.0907	0.167	0.179
SEP-B01@5'	5'	03/28/2025	8.48	0.582	1.29	0.899
SEP-B02@5'	5'	03/28/2025	8.47	3.06	0.337	0.385
SP-CS01	-	03/28/2025	8.19	1.00	0.241	0.779
DL-B01@4'	4'	03/28/2025	7.96	0.206	0.262	0.217
DL-B03@4'	4'	03/28/2025	8.50	4.45	1.08	0.869
EL-B01@4'	4'	03/28/2025	8.02	9.11	0.244	0.266
EL-B03@4'	4'	03/28/2025	8.28	0.451	0.225	0.164
SP-CS02	-	03/28/2025	8.03	0.303	0.174	0.147

Notes:

(1) Standards for soil are taken from ECMC Table 915-1: Soil Suitability for Reclamation (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

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

mmhos/cm = millimhos per centimeter

mg/L = milligrams per liter

pH = Potential of Hydrogen

SAR = Sodium Adsorption Ratio

EC = Electrical Conductivity

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Soil Suitability for Reclamation Concentrations

- = Not applicable or constituent not analyzed