

TABLE 1
STATE BIERSTADT 4-65 35-34 2AH
SOIL SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
SEP1-B01@3"	3"	05/20/2024	1.2	39.662584	-104.624355	0.9	Y
SEP1-B02@3"	3"	05/20/2024	2.7	39.662625	-104.624355	0.9	Y
SEP2-B01@3"	3"	05/20/2024	0.9	39.662585	-104.624299	0.8	Y
SEP2-B02@3"	3"	05/20/2024	4.5	39.662634	-104.624305	0.8	Y
SEP3-B01@3"	3"	05/20/2024	0.5	39.662575	-104.624252	0.8	Y
SEP3-B02@3"	3"	05/20/2024	0.3	39.662634	-104.624251	0.8	Y
SEP4-B01@3"	3"	05/20/2024	0.9	39.662565	-104.624195	0.8	Y
SEP4-B02@3"	3"	05/20/2024	0.6	39.662623	-104.624195	0.8	Y
B-SEP-B01@3"	3"	05/20/2024	0.3	39.662590	-104.624449	0.9	Y
B-SEP-B02@3"	3"	05/20/2024	0.4	39.662626	-104.624450	1.1	Y
COM1-B01@3"	3"	05/20/2024	0.2	39.662817	-104.624487	0.8	N
COM2-B01@3"	3"	05/20/2024	0.7	39.662815	-104.624446	0.8	N
GSM-B01@3"	3"	05/20/2024	1.1	39.662868	-104.624647	0.8	N
SGS-B01@3"	3"	05/20/2024	0.0	39.662806	-104.624714	0.8	Y
IGS-B01@3"	3"	05/20/2024	1.1	39.662700	-104.624658	0.8	N
VRT-B01@3"	3"	05/20/2024	0.9	39.662630	-104.624690	0.8	N
VRU1-B01@3"	3"	05/20/2024	1.1	39.662635	-104.624612	0.9	N
VRU2-B01@3"	3"	05/20/2024	1.3	39.662634	-104.624558	0.9	N
ARB-B01@3"	3"	05/20/2024	0.1	39.662698	-104.625085	0.8	N
IAS-B01@3"	3"	05/20/2024	0.4	39.662744	-104.624759	0.9	N
KO-B01@3"	3"	05/20/2024	0.9	39.662747	-104.624446	0.9	N
KO-B02@3"	3"	05/20/2024	0.7	39.662695	-104.624455	0.9	N
CS-N01	2'	06/15/2024	0.7	39.662711	-104.624211	-	Y
CS-N02	2'	06/15/2024	0.6	39.662711	-104.624279	-	Y
CS-N03	2'	06/15/2024	1.2	39.662713	-104.624353	-	Y
CS-S01	2'	06/15/2024	0.6	39.662684	-104.624210	-	Y
CS-S02	2'	06/15/2024	0.3	39.662682	-104.624279	-	Y
CS-S03	2'	06/15/2024	0.3	39.662685	-104.624354	-	Y
CS-FS01	4'	06/15/2024	0.0	39.662702	-104.624241	-	Y
CS-FS02	4'	06/15/2024	0.1	39.662701	-104.624323	-	Y
CS-W01	2'	06/15/2024	0.5	39.662703	-104.624387	-	Y
CS-E01	2'	06/15/2024	0.0	39.662703	-104.624176	-	Y
BACKGROUND							
BG01@3"	3"	05/20/2024	0.3	39.663002	-104.624352	0.9	Y

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Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
BG02@3"	3"	05/20/2024	0.3	39.663006	-104.624998	0.9	Y
BG03@3"	3"	05/20/2024	0.2	39.662864	-104.625322	0.9	Y
BG04@3"	3"	05/20/2024	0.1	39.662768	-104.625336	1	Y
BG05@3"	3"	05/20/2024	0.1	39.662677	-104.625346	0.9	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

[Soil Sample Location] = Removed

10/29/2024 [date] = Data collected by Client

TABLE 2
STATE BIERSTADT 4-65 35-34 2AH
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
SEP1-B01@3"	3"	05/20/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0242	23.7	48.6	<0.00500	<0.00500
SEP1-B02@3"	3"	05/20/2024	<0.00374	<0.0104	<0.00590	<0.00704	0.0447	0.170	13,200	13,500	0.014	<0.0160
SEP2-B01@3"	3"	05/20/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0289	31.5	49.8	<0.00500	<0.00500
SEP2-B02@3"	3"	05/20/2024	0.016	0.054	<0.0147	0.106	<0.00408	0.149	16,200	16,000	0.038	<0.0400
SEP3-B01@3"	3"	05/20/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0285	79.5	96.4	<0.00500	<0.00500
SEP3-B02@3"	3"	05/20/2024	<0.00374	<0.0104	<0.00590	<0.00704	<0.00408	0.0617	4,530	5,870	<0.0126	<0.0160
SEP4-B01@3"	3"	05/20/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0292	107	225	<0.00500	<0.00500
SEP4-B02@3"	3"	05/20/2024	<0.00100	0.00205	<0.00250	0.00218	0.0168	0.107	13,300	15,200	0.00176	<0.00500
B-SEP-B01@3"	3"	05/20/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0384	13.5	27.5	<0.00500	<0.00500
B-SEP-B02@3"	3"	05/20/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0415	37.4	78.4	<0.00500	<0.00500
SGS-B01@3"	3"	05/20/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0342	15.2	52.6	0.0025	<0.00500
CS-N01	2'	06/15/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0227	<4.00	<4.00	<0.00500	<0.00500
CS-N02	2'	06/15/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0240	<4.00	<4.00	<0.00500	<0.00500
CS-N03	2'	06/15/2024	<0.00101	<0.00505	<0.00253	<0.00656	<0.00408	0.0238	<4.00	0.653	<0.00505	<0.00505
CS-S01	2'	06/15/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	0.0225	<4.00	0.635	<0.00500	<0.00500
CS-S02	2'	06/15/2024	<0.00101	<0.00505	<0.00253	<0.00656	<0.00408	<0.101	<4.00	1.30	<0.00505	<0.00505
CS-S03	2'	06/15/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	<0.101	<4.00	0.781	<0.00500	<0.00500
CS-FS01	4'	06/15/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	<0.100	<4.00	0.593	<0.00500	<0.00500
CS-FS02	4'	06/15/2024	<0.00101	<0.00505	<0.00253	<0.00656	<0.00408	<0.100	<4.00	<4.00	<0.00505	<0.00505
CS-W01	2'	06/15/2024	<0.00100	<0.00500	<0.00250	<0.00650	<0.00408	<0.101	<4.00	<4.00	<0.00500	<0.00500
CS-E01	2'	06/15/2024	<0.00101	<0.00505	<0.00253	<0.00656	<0.00408	<0.100	<4.00	<4.00	<0.00505	<0.00505

Notes:

VOCs = Volatile Organic Compounds

TABLE 2
STATE BIERSTADT 4-65 35-34 2AH
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

(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

[Soil Sample Location] = Removed

10/29/2024 [date] = Data collected by Client

TABLE 3
STATE BIERSTADT 4-65 35-34 2AH
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
SEP1-B01@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
SEP1-B02@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.479	<0.00600	0.682	0.495	0.333
SEP2-B01@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
SEP2-B02@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.798	<0.00600	1.78	0.647	0.520
SEP3-B01@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
SEP3-B02@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.0455	<0.00600	0.00992	0.00581	0.120
SEP4-B01@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
SEP4-B02@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.182	<0.00600	0.230	0.153	0.485
B-SEP-B01@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
B-SEP-B02@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	0.00213
SGS-B01@3"	3"	05/20/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-N01	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-N02	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-N03	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-S01	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-S02	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-S03	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-FS01	4'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	0.00255	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-FS02	4'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-W01	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600
CS-E01	2'	06/15/2024	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00600	<0.00449	<0.00427	<0.00600

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)

TABLE 3
STATE BIERSTADT 4-65 35-34 2AH
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

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

[Soil Sample Location] = Removed

10/29/2024 [date] = Data collected by Client

TABLE 4
STATE BIERSTADT 4-65 35-34 2AH
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
SEP1-B01@3"	3"	05/20/2024	2.02*	189	<0.0855	<0.255	29.8	4.38	11.8	0.962	<0.0865	83.8
SEP1-B02@3"	3"	05/20/2024	1.97*	434	0.130	<0.255	30.4	4.59	13.4	1.08	<0.0865	104
SEP2-B01@3"	3"	05/20/2024	2.04*	208	0.206	<0.255	29.5	4.13	18.6	0.918	<0.0865	85.5
SEP2-B02@3"	3"	05/20/2024	1.98*	178	0.0958	<0.255	28.8	4.52	10.6	1.21	<0.0865	87.3
SEP3-B01@3"	3"	05/20/2024	2.63*	300	<0.0855	<0.255	26.7	3.84	9.82	0.981	<0.0865	72.1
SEP3-B02@3"	3"	05/20/2024	2.19*	265	0.132	<0.255	29.8	4.11	9.97	1.03	<0.0865	79.4
SEP4-B01@3"	3"	05/20/2024	2.01*	342	0.105	0.496	25.3	4.96	12.6	0.971	<0.0865	87.6
SEP4-B02@3"	3"	05/20/2024	1.97*	442	0.104	<0.255	42.0	4.89	13.2	1.16	<0.0865	152
B-SEP-B01@3"	3"	05/20/2024	2.19*	124*	<0.0855	<0.255	29.2	3.57	8.81	1.52	<0.0865	65.8
B-SEP-B02@3"	3"	05/20/2024	1.81*	203	0.116	<0.255	26.5	3.67	9.26	0.428*	<0.0865	68.1
SGS-B01@3"	3"	05/20/2024	1.76*	50.3	<0.0855	<0.255	27.3	3.83	7.53	0.260*	<0.0865	56.0
CS-N01	2'	06/15/2024	8.04	406	0.105	<0.255	10.6	10.8	8.69	0.499	<0.500	41.9
CS-N02	2'	06/15/2024	2.18*	166	0.0914	<0.255	8.24	9.25	6.44	0.292*	<0.500	33.2
CS-N03	2'	06/15/2024	1.76*	53.8	<0.0855	<0.255	5.50	5.61	3.87	<2.50	<0.500	23.1
CS-S01	2'	06/15/2024	2.59*	199	0.104	<0.255	9.64	9.10	8.28	0.324*	<0.500	37.4
CS-S02	2'	06/15/2024	2.26*	221	0.113	<0.255	8.24	7.97	6.83	0.26*	<0.500	33.0
CS-S03	2'	06/15/2024	2.41*	88.8*	0.108	<0.255	9.63	8.70	7.80	0.302*	<0.500	39.1
CS-FS01	4'	06/15/2024	1.84*	757	0.11	<0.255	7.20	11.7	4.29	0.243	<0.500	37.7
CS-FS02	4'	06/15/2024	1.77*	575	0.116	<0.255	6.08	11.3	4.20	0.213	<0.500	32.8
CS-W01	2'	06/15/2024	2.47*	363	0.116	<0.255	8.05	8.07	7.09	0.281*	<0.500	31.7
CS-E01	2'	06/15/2024	2.74*	215	0.140	<0.255	9.40	12.8	5.49	0.308*	<0.500	45.4
BACKGROUND												

TABLE 4
STATE BIERSTADT 4-65 35-34 2AH
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
BG01@3"	3"	05/20/2024	3.11	95.8	0.302	<0.255	9.12	14.5	8.13	1.07**	<0.0865	33.6
BG02@3"	3"	05/20/2024	3.47	107	0.327	<0.255	10.6	14.8	9.58	0.381	<0.0865	38.4
BG03@3"	3"	05/20/2024	2.44	83.9	0.295	<0.255	8.11	13.7	6.28	0.302	<0.0865	32.2
BG04@3"	3"	05/20/2024	2.79	82.2	0.247	<0.255	9.15	13.5	6.73	0.363	<0.0865	31.9
BG05@3"	3"	05/20/2024	2.29	86.4	0.285	0.315	8.40	13.0	6.03	0.291	<0.0865	30.5
Highest Background @ 3" x1.25 (SM)			4.34	133	0.409	0.394	13.5	18.5	11.9	0.476	-	48.0

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

Highest background concentration x1.25

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

* Result exceeded the ECMC Table 915-1 standard, but was within site-specific 1.25x background multiplier level:

**Result is considered anomalously high and not considered for site-specific background concentration

[Soil Sample Location] = Removed

10/29/2024 [date] = Data collected by Client

TABLE 5
STATE BIERSTADT 4-65 35-34 2AH
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
SEP1-B01@3"	3"	05/20/2024	8.91	4.26	0.262	0.114
SEP1-B02@3"	3"	05/20/2024	7.50	5.07	3.15	1.66
SEP2-B01@3"	3"	05/20/2024	9.02	8.16	0.488	0.0741
SEP2-B02@3"	3"	05/20/2024	7.72	1.13	0.472	0.324
SEP3-B01@3"	3"	05/20/2024	8.39	3.53	0.476	0.0713
SEP3-B02@3"	3"	05/20/2024	7.39	2.52	4.55	0.165
SEP4-B01@3"	3"	05/20/2024	8.72	3.90	0.268	0.139
SEP4-B02@3"	3"	05/20/2024	8.02	38.4	6.67	6.61
B-SEP-B01@3"	3"	05/20/2024	8.43	0.989	0.188	0.0773
B-SEP-B02@3"	3"	05/20/2024	8.05	0.273	0.241	0.120
SGS-B01@3"	3"	05/20/2024	8.40	1.54	0.194	0.265
CS-N01	2'	06/15/2024	7.99	2.29	1.13	0.736
CS-N02	2'	06/15/2024	8.21	2.08	1.23	0.633
CS-N03	2'	06/15/2024	7.96	2.63	0.747	0.526
CS-S01	2'	06/15/2024	8.23	3.04	0.65	0.673
CS-S02	2'	06/15/2024	8.20	2.74	0.659	0.647
CS-S03	2'	06/15/2024	8.38	1.54	0.247	0.482
CS-FS01	4'	06/15/2024	8.11	3.14	0.787	1.03
CS-FS02	4'	06/15/2024	8.04	2.98	0.922	0.99
CS-W01	2'	06/15/2024	8.30	2.87	0.358	0.668
CS-E01	2'	06/15/2024	8.36	2.50	0.307	0.711
BACKGROUND						
BG01@3"	3"	05/20/2024	7.02	0.116	0.0885	0.142
BG02@3"	3"	05/20/2024	6.81	0.0638	0.0761	0.206
BG03@3"	3"	05/20/2024	6.20	0.0907	0.0807	0.143
BG04@3"	3"	05/20/2024	6.70	0.0541	0.104	0.149
BG05@3"	3"	05/20/2024	6.84	0.0595	0.107	0.153
Highest Background @ 3" (SM)			7.02	0.116	0.107	0.206

Notes:

TABLE 5
STATE BIERSTADT 4-65 35-34 2AH
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

(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

Highest background concentration

* Result exceeded the ECMC Table 915-1 standard, but was within site-specific background concentrations

[Soil Sample Location] = Removed

10/29/2024 [date] = Data collected by Client