

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
SEP-B01@6'	6'	06/28/2024	2.4	39.662679	-104.624340	-	Y
SEP-B02@6'	6'	06/28/2024	1.5	39.662680	-104.624294	-	Y
SEP-B03@6'	6'	06/28/2024	2.0	39.662680	-104.624254	-	Y

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Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
SEP-N01@5'	5'	06/28/2024	1.9	39.662702	-104.624362	0.8	Y
SEP-N02@5'	5'	06/28/2024	0.8	39.662703	-104.624297	0.8	Y
SEP-N03@5'	5'	06/28/2024	1.6	39.662702	-104.624228	0.8	Y
SEP-S01@5'	5'	06/28/2024	2.1	39.662663	-104.624350	0.7	Y
SEP-S02@5'	5'	06/28/2024	2.1	39.662660	-104.624277	0.7	Y
SEP-S03@5'	5'	06/28/2024	1.9	39.662657	-104.624222	0.8	Y
SEP-E01@5'	5'	06/28/2024	1.2	39.662678	-104.624203	0.7	Y
SEP-W01@5'	5'	06/28/2024	1.0	39.662681	-104.624386	0.8	Y
SEP-W01@5'R	5'	01/13/2025	0.2	39.662680	-104.624388	0.9	Y
SEP-N01@5'R	5'	01/13/2025	0.0	39.662701	-104.624361	0.9	Y
SEP-N02@5'R	5'	01/13/2025	0.0	39.662698	-104.624296	0.9	Y
SEP-N03@5'R	5'	01/13/2025	0.2	39.662702	-104.624232	1	Y
SEP-E01@5'R	5'	01/13/2025	0.3	39.662677	-104.624190	1	Y
SEP-S01@5'R	5'	01/13/2025	0.0	39.662659	-104.624346	0.9	Y
SEP-S02@5'R	5'	01/13/2025	0.0	39.662657	-104.624275	0.9	Y
SEP-S03@5'R	5'	01/13/2025	0.1	39.662661	-104.624223	1.2	Y
SEP3-B02@3''R	3''	01/13/2025	0.1	39.662611	-104.624241	0.8	Y
SEP4-B02@3''R	3''	01/13/2025	0.0	39.662611	-104.624186	0.9	Y
SEP4-B01@3''R	3''	01/13/2025	0.0	39.662569	-104.624192	0.8	Y
SEP3-B01@3''R	3''	01/13/2025	0.0	39.662571	-104.624248	0.8	Y
SEP2-B01@3''R	3''	01/13/2025	0.0	39.662586	-104.624297	0.9	Y
SEP1-B01@3''R	3''	01/13/2025	0.2	39.662587	-104.624349	0.9	Y
B-SEP-B01@3''R	3''	01/13/2025	0.2	39.662594	-104.624454	0.9	Y
SGS-SEP-B01@3''R	3''	01/13/2025	0.1	39.662808	-104.624715	0.8	Y
SEP-B03@6'R	6'	01/13/2025	0.1	39.662680	-104.624242	1	Y
SEP-B04@1'	1'	04/03/2025	0.0	39.662618	-104.624294	0.8	Y
SEP-B05@1'	1'	04/03/2025	0.1	39.662618	-104.624224	0.9	Y
SEP-B06@1'	1'	04/03/2025	0.0	39.662604	-104.624184	0.9	Y
BACKGROUND							
BG01@3''	3''	05/20/2024	0.3	39.663002	-104.624352	0.9	Y
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
BG11@3'	3'	06/21/2024	1.0	39.663272	-104.624472	1.3	Y

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BG11@4'	4'	06/21/2024	0.3	39.663272	-104.624472	1.3	Y
BG12@3'	3'	06/21/2024	0.2	39.663140	-104.624574	1	Y
BG12@4'	4'	06/21/2024	1.1	39.663140	-104.624574	1	Y
BG13@3'	3'	06/21/2024	0.8	39.663228	-104.624732	1	Y
BG13@4'	4'	06/21/2024	0.6	39.663228	-104.624732	1	Y
BG14@3'	3'	06/21/2024	0.7	39.663141	-104.624869	1	Y
BG14@4'	4'	06/21/2024	0.6	39.663141	-104.624869	1	Y
BG15@3'	3'	06/21/2024	0.2	39.663127	-104.624977	0.9	Y
BG15@4'	4'	06/21/2024	0.3	39.663127	-104.624977	0.9	Y
BG06@3"	3"	06/28/2024	2.3	39.662254	-104.623691	0.9	Y
BG06@5'	5'	06/28/2024	0.5	39.662254	-104.623691	0.9	Y
BG06@6'	6'	06/28/2024	0.5	39.662254	-104.623691	0.9	Y
BG07@3"	3"	06/28/2024	0.5	39.662012	-104.623705	0.8	Y
BG07@5'	5'	06/28/2024	1.5	39.662012	-104.623705	0.8	Y
BG07@6'	6'	06/28/2024	1.2	39.662012	-104.623705	0.8	Y
BG08@3"	3"	06/28/2024	1.2	39.661778	-104.623737	0.9	Y
BG08@5'	5'	06/28/2024	1.6	39.661778	-104.623737	0.9	Y
BG08@6'	6'	06/28/2024	2.9	39.661778	-104.623737	0.9	Y
BG09@3"	3"	06/28/2024	1.8	39.662712	-104.625166	0.7	Y
BG09@5'	5'	06/28/2024	1.5	39.662712	-104.625166	0.7	Y
BG09@6'	6'	06/28/2024	1.5	39.662712	-104.625166	0.7	Y
BG10@3"	3"	06/28/2024	1.3	39.662604	-104.625219	0.8	Y
BG10@5'	5'	06/28/2024	1.1	39.662604	-104.625219	0.8	Y
BG10@6'	6'	06/28/2024	0.5	39.662604	-104.625219	0.8	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

[Soil Sample Location] = Removed

[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	0.0140	<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	0.0160	0.0540	<0.0147	0.106	<0.00408	0.149	16,200	16,000	0.0380	<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	0.00250	<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	0.024	<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
SEP-B04@1'	1'	04/03/2025	<0.000467	0.00280	<0.000737	<0.000880	<0.00579	0.0345	2.13	4.29	<0.00158	<0.00200
SEP-B05@1'	1'	04/03/2025	<0.000467	0.00200	<0.000737	<0.000880	<0.00579	0.0231	<1.61	<0.274	<0.00158	<0.00200
SEP-B06@1'	1'	04/03/2025	<0.000467	0.00185	<0.000737	<0.000880	<0.00579	0.0241	4.36	13.1	<0.00158	<0.00200

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

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

[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
SEP-B04@1'	1'	04/03/2025	<0.00162	<0.00163	<0.00200	<0.00275	<0.00213	<0.00163	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
SEP-B05@1'	1'	04/03/2025	<0.00162	<0.00163	<0.00200	<0.00275	<0.00213	<0.00163	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205
SEP-B06@1'	1'	04/03/2025	<0.00162	<0.00163	<0.00200	<0.00275	<0.00213	<0.00163	<0.00206	<0.00201	<0.00239	<0.00180	<0.00234	<0.00219	<0.00571	<0.00205

Notes:

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

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

[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)	Confirmation/Resample for Sample Location(s) ⁽³⁾
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	-
BACKGROUND													
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	-
BG06@3" ^{OP}	3"	06/28/2024	2.86	306	0.175	0.367	173	8.29	11.7	0.339	<0.0882	73.1	-
BG07@3" ^{OP}	3"	06/28/2024	3.05	5,820**	0.245	<0.155	35.6	9.04	13.3	0.518	0.140	83.9	-
BG08@3" ^{OP}	3"	06/28/2024	1.93	2,400**	49.9**	0.375	1,390**	855**	15.4	1.87	1.53**	5,660**	-
BG09@3" ^{OP}	3"	06/28/2024	1.53	210	<0.0867	<0.166	17.4	3.34	18.5	<0.225	<0.0867	112	-
BG10@3" ^{OP}	3"	06/28/2024	2.37	232	<0.0942	<0.153	26.6	4.99	17.9	0.268	<0.0942	74.1	-
Highest Background @ 3"-2' x1.25 (Pad)			4.34	134	0.409	0.394	13.3	18.5	11.98	1.34	-	48.0	-
BG11@3'	3'	06/21/2024	1.90	150	<0.0855	<0.255	9.13	8.1	8.81	0.998	<0.500	40.5	-
BG11@4'	4'	06/21/2024	2.44	156	<0.0855	<0.255	8.19	7.6	8.26	0.628	<0.500	35.7	-
BG12@3'	3'	06/21/2024	2.54	81.7	0.159	0.299	7.83	8.5	6.93	0.295	<0.500	21.6	-
BG12@4'	4'	06/21/2024	3.02	108	0.194	0.307	9.37	11.8	8.36	0.351	<0.500	28.2	-
BG13@3'	3'	06/21/2024	3.00	88.2	0.189	0.313	7.83	10.5	7.60	0.309	<0.500	24.6	-
BG13@4'	4'	06/21/2024	3.68	127	0.148	0.364	10.7	11.1	11.6	0.369	0.102	32.7	-
BG14@3'	3'	06/21/2024	1.64	77	<0.0855	<0.255	5.69	6.9	5.06	0.259	<0.500	16.7	-
BG14@4'	4'	06/21/2024	1.95	84.8	0.118	<0.255	5.86	7.6	5.69	<2.50	<0.500	18.9	-
BG15@3'	3'	06/21/2024	1.41	125	0.0921	<0.255	6.11	7.0	5.19	<2.50	<0.500	17.5	-
BG15@4'	4'	06/21/2024	1.79	77.2	0.103	<0.255	5.64	6.8	6.56	<2.50	<0.500	15.2	-
BG06@5" ^{OP}	5'	06/28/2024	2.40	215	0.102	<0.173	<8.91	14.2	3.87	<0.232	<0.0891	49.9	-
BG07@5" ^{OP}	5'	06/28/2024	1.01	475	<0.0970	0.439	<9.70	6.21	<9.70	<0.252	<0.0970	<35.9	-
BG08@5" ^{OP}	5'	06/28/2024	3.81	221	0.292	<0.324	<9.15	13.2	2.49	<0.238	<0.0915	48.1	-
BG09@5" ^{OP}	5'	06/28/2024	1.44	51.5	<0.0860	0.353	<8.60	4.42	3.51	<0.224	<0.0860	<31.8	-
BG10@5" ^{OP}	5'	06/28/2024	1.90	325	<0.0895	0.351	<8.95	4.83	3.98	<0.233	<0.0895	<33.1	-
BG06@6" ^{OP}	6'	06/28/2024	1.04	287	<0.0904	0.297	<9.04	7.63	1.14	<0.235	<0.0904	<33.5	-

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)	Confirmation/Resample for Sample Location(s) ⁽³⁾
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	-
BG07@6 ^{OP}	6'	06/28/2024	2.20	232	<0.0984	<0.185	<9.84	9.35	1.14	<0.256	<0.0984	<36.4	-
BG08@6 ^{OP}	6'	06/28/2024	12.4**	1,500**	<0.234	<0.192	15.8	11.6	7.88	0.272	<0.0991	66.2	-
BG09@6 ^{OP}	6'	06/28/2024	2.99	82.4	<0.0906	0.427	<9.06	6.15	5.22	<0.236	<0.0906	<33.5	-
BG10@6 ^{OP}	6'	06/28/2024	1.83	158	<0.0949	0.411	<9.49	5.44	4.51	<0.247	<0.0949	<35.1	-
Highest Background @ 2' - 6' x1.25 (SC)			4.60	195	0.243	0.455	13.4	14.8	14.5	1.248	0.128	50.6	-

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)

(3) List sample location that exceeded ECMC Table 915-1 Standards that the confirmation/resample sample represents. Sample location resampled to confirm heterogeneous lithology or lab variability.

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

SC = Clayey Sand

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 background concentrations or confirmation/resample result was below the ECMC Table 915-1 standard or within site-specific background concentrations

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

^{OP} = Background collected on pad, not approved for site-specific background concentration

[Soil Sample Location] = Removed

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

- = Constituent not analyzed

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)	Confirmation/Resample for Sample Location(s) ⁽²⁾
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	-
SEP-B01@6'	6'	06/28/2024	8.26	3.47	1.81	0.518	-
SEP-B02@6'	6'	06/28/2024	8.29	3.39	1.44	0.403	-
SEP-B03@6'	6'	06/28/2024	8.20	3.26	2.23	0.466	-
SEP-N01@5'	5'	06/28/2024	8.22	3.67	2.21	0.794	-
SEP-N02@5'	5'	06/28/2024	8.26	3.47	2.29	1.25	-
SEP-N03@5'	5'	06/28/2024	8.35	3.32	2.19	0.856	-
SEP-S01@5'	5'	06/28/2024	8.47	3.60	1.45	1.64	-
SEP-S02@5'	5'	06/28/2024	8.63	3.20	0.789	1.42	-
SEP-S03@5'	5'	06/28/2024	8.66	3.08	0.737	1.39	-
SEP-E01@5'	5'	06/28/2024	8.40	2.96	1.61	0.906	-
SEP-W01@5'	5'	06/28/2024	8.48*	3.88	1.81	1.39	-
SEP-W01@5'R	5'	01/13/2025	8.27	-	-	-	SEP-W01@5'
SEP-N03@5'R	5'	01/13/2025	8.52	-	-	-	SEP-N03@5'
SEP-E01@5'R	5'	01/13/2025	8.79	-	-	-	SEP-E01@5'
SEP-S01@5'R	5'	01/13/2025	8.51	-	-	-	SEP-S01@5'
SEP-S02@5'R	5'	01/13/2025	8.58	-	-	-	SEP-S02@5'
SEP-S03@5'R	5'	01/13/2025	8.75	-	-	-	SEP-S03@5'
SEP3-B02@3"R	3"	01/13/2025	-	-	0.197	-	SEP3-B02@3"

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)	Confirmation/Resample for Sample Location(s) ⁽²⁾
ECMC Soil Suitability for Reclamation⁽¹⁾			6 - 8.3	< 6	< 4	2	-
SEP4-B02@3"R	3"	01/13/2025	-	0.669	0.153	<2.00	SEP4-B02@3"
SEP4-B01@3"R	3"	01/13/2025	8.87	-	-	-	SEP4-B01@3"
SEP3-B01@3"R	3"	01/13/2025	9.12	-	-	-	SEP3-B01@3"
SEP2-B01@3"R	3"	01/13/2025	8.40	0.320	-	-	SEP2-B01@3"
SEP1-B01@3"R	3"	01/13/2025	8.75	-	-	-	SEP1-B01@3"
B-SEP-B01@3"R	3"	01/13/2025	9.06	-	-	-	B-SEP-B01@3"
SGS-SEP-B01@3"R	3"	01/13/2025	8.85	-	-	-	SGS-B01@3"
SEP-B04@1'	1'	04/03/2025	8.38	-	-	-	-
SEP-B05@1'	1'	04/03/2025	8.15	-	-	-	-
SEP-B06@1'	1'	04/03/2025	8.13	-	-	-	-
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	-
BG06@3" ^{OP}	3"	06/28/2024	8.40	1.84	1.27	0.381	-
BG07@3" ^{OP}	3"	06/28/2024	8.08	2.48	6.02	0.800	-
BG08@3" ^{OP}	3"	06/28/2024	8.23	1.92	2.80	0.393	-
BG09@3" ^{OP}	3"	06/28/2024	8.18	0.564	1.07	<0.101	-
BG10@3" ^{OP}	3"	06/28/2024	8.21	1.17	1.28	0.106	-
Highest Background @ 3" (Pad)			7.02	0.116	0.107	0.206	-
BG11@3'	3'	06/21/2024	7.73	1.92	2.35	0.446	-
BG11@4'	4'	06/21/2024	7.68	2.07	2.54	0.519	-
BG12@3'	3'	06/21/2024	7.65	0.439	0.509	0.223	-
BG12@4'	4'	06/21/2024	7.64	0.617	0.533	0.272	-
BG13@3'	3'	06/21/2024	6.67	0.143	0.678	0.289	-
BG13@4'	4'	06/21/2024	6.86	0.161	0.59	0.27	-
BG14@3'	3'	06/21/2024	7.62	0.929	1.26	0.337	-
BG14@4'	4'	06/21/2024	7.67	1.04	1.23	0.35	-
BG15@3'	3'	06/21/2024	7.68	1.11	1.42	0.376	-
BG15@4'	4'	06/21/2024	7.77	0.354	0.152	0.358	-
BG06@5' ^{OP}	5'	06/28/2024	8.46	2.52	1.33	1.13	-
BG07@5' ^{OP}	5'	06/28/2024	8.01	2.21	1.77	0.129	-
BG08@5' ^{OP}	5'	06/28/2024	8.16	2.46	2.84	0.373	-
BG09@5' ^{OP}	5'	06/28/2024	8.33	1.55	0.354	<0.0996	-
BG10@5' ^{OP}	5'	06/28/2024	8.66	5.41	0.406	0.204	-
BG06@6' ^{OP}	6'	06/28/2024	8.12	2.15	2.98	0.465	-
BG07@6' ^{OP}	6'	06/28/2024	8.10	2.21	1.87	0.152	-

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)	Confirmation/Resample for Sample Location(s) ⁽²⁾
ECMC Soil Suitability for Reclamation ⁽¹⁾			6 - 8.3	< 6	< 4	2	-
BG08@6' ^{OP}	6'	06/28/2024	8.26	2.3	3.13	0.362	-
BG09@6' ^{OP}	6'	06/28/2024	8.54	2.99	0.436	<0.0998	-
BG10@6' ^{OP}	6'	06/28/2024	8.73	6.09	0.497	0.232	-
Highest Background @ 2' - 6' (SC)			7.77	2.07	2.54	0.519	-

Notes:

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

(2) List sample location that exceeded ECMC Table 915-1 Standards that the confirmation/resample sample represents. Sample location resampled to confirm heterogeneous lithology or lab variability.

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

SC = Clayey Sand

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 or confirmation/resample result was below the ECMC Table 915-1 standard or within site-specific background concentrations

^{OP} = Background collected on pad, not approved for site-specific background concentration

[Soil Sample Location] = Removed

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