

Aristocrat Angus 42-10 & 7-2-10 Common Line

SENE Sec. 10-T3N-R65W

Facility ID: 332743

Remediation Project #: 30964

Form 19 Data Package

October 2023

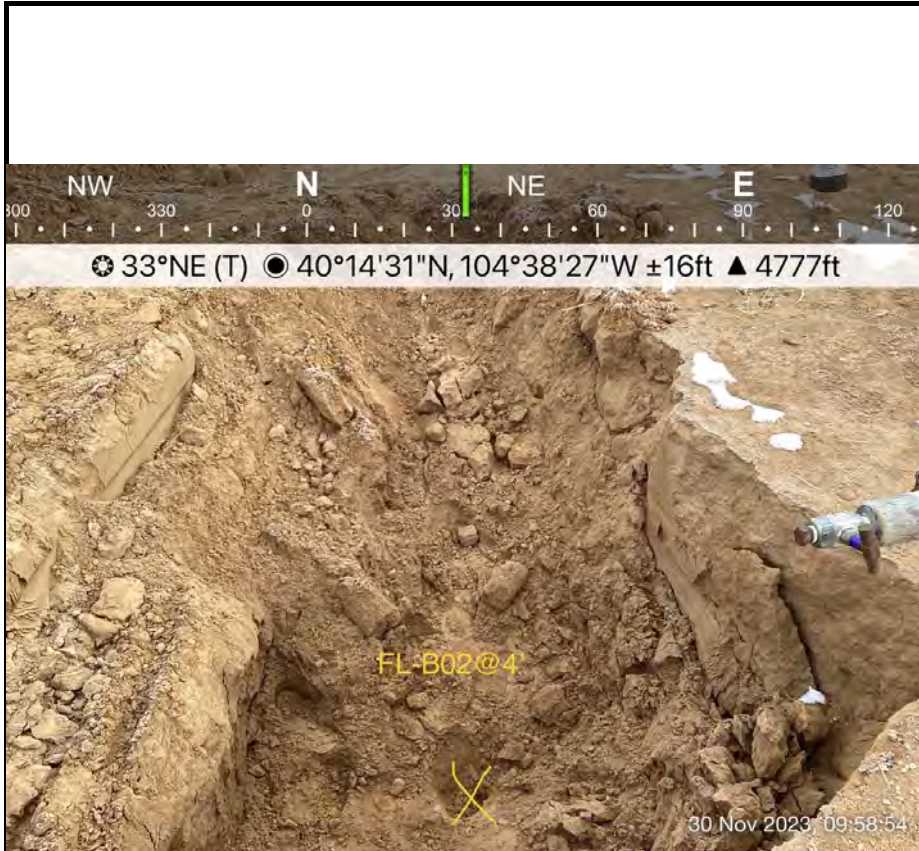

Prepared by Tasman, Inc.






On behalf of Crestone Peak Resources










PHOTO LOG

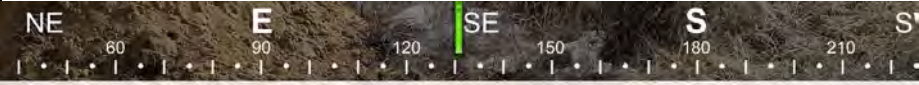



					
<p>Equipment ID:</p>	<p>Equipment Type:</p>		<p>Equipment ID:</p>	<p>Equipment Type:</p>	
<p>Material:</p>	<p>Volume:</p>	<p>Contents:</p>	<p>Material:</p>	<p>Volume:</p>	<p>Contents:</p>
<p>Notes/Conditions: Soil sampling location</p>			<p>Notes/Conditions: Soil screening location</p>		





					
33°NE (T) ● 40°14'31"N, 104°38'26"W ±16ft ▲ 4777ft			188°S (T) ● 40°14'31"N, 104°38'25"W ±16ft ▲ 4775ft		
 <p style="text-align: center;">FL-B04@4'</p> <p style="text-align: right;">30 Nov 2023, 10:00:06</p>			 <p style="text-align: center;">FL-B05@4'</p> <p style="text-align: right;">30 Nov 2023, 10:09:22</p>		
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil screening location			Notes/Conditions: Soil screening location		

					
353°N (T) ● 40°14'32"N, 104°38'25"W ±16ft ▲ 4775ft			139°SE (T) ● 40°14'33"N, 104°38'25"W ±16ft ▲ 4776ft		
					
Equipment ID:			Equipment Type:		
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil screening location			Notes/Conditions: Soil screening location		





					
170°S (T) ● 40°14'34"N, 104°38'25"W ±16ft ▲ 4778ft			6°N (T) ● 40°14'34"N, 104°38'25"W ±16ft ▲ 4779ft		
					
30 Nov 2023, 10:24:21			30 Nov 2023, 10:24:37		
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil screening location			Notes/Conditions: Soil screening location		

							
☉ 272°W (T) ● 40°14'35"N, 104°38'25"W ±16ft ▲ 4782ft			☉ 22°NE (T) ● 40°14'36"N, 104°38'26"W ±16ft ▲ 4780ft				
 <p style="text-align: center; color: yellow;">FL-B10@4'</p> <p style="text-align: right; font-size: small;">30 Nov 2023 10:31:27</p>			 <p style="text-align: center; color: yellow;">FL-B11@4'</p> <p style="text-align: right; font-size: small;">30 Nov 2023 10:35:39</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Soil screening location				Notes/Conditions: Soil screening location			

					
<p>☉ 131°SE (T) ● 40°14'37"N, 104°38'26"W ±16ft ▲ 4773ft</p>			<p>☉ 81°E (T) ● 40°14'37"N, 104°38'26"W ±16ft ▲ 4774ft</p>		
 <p>FL-B12@4'</p> <p>30 Nov 2023, 10:57:01</p>			 <p>FL-B13@4'</p> <p>30 Nov 2023, 11:01:22</p>		
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Soil screening location			Notes/Conditions: Soil screening location		

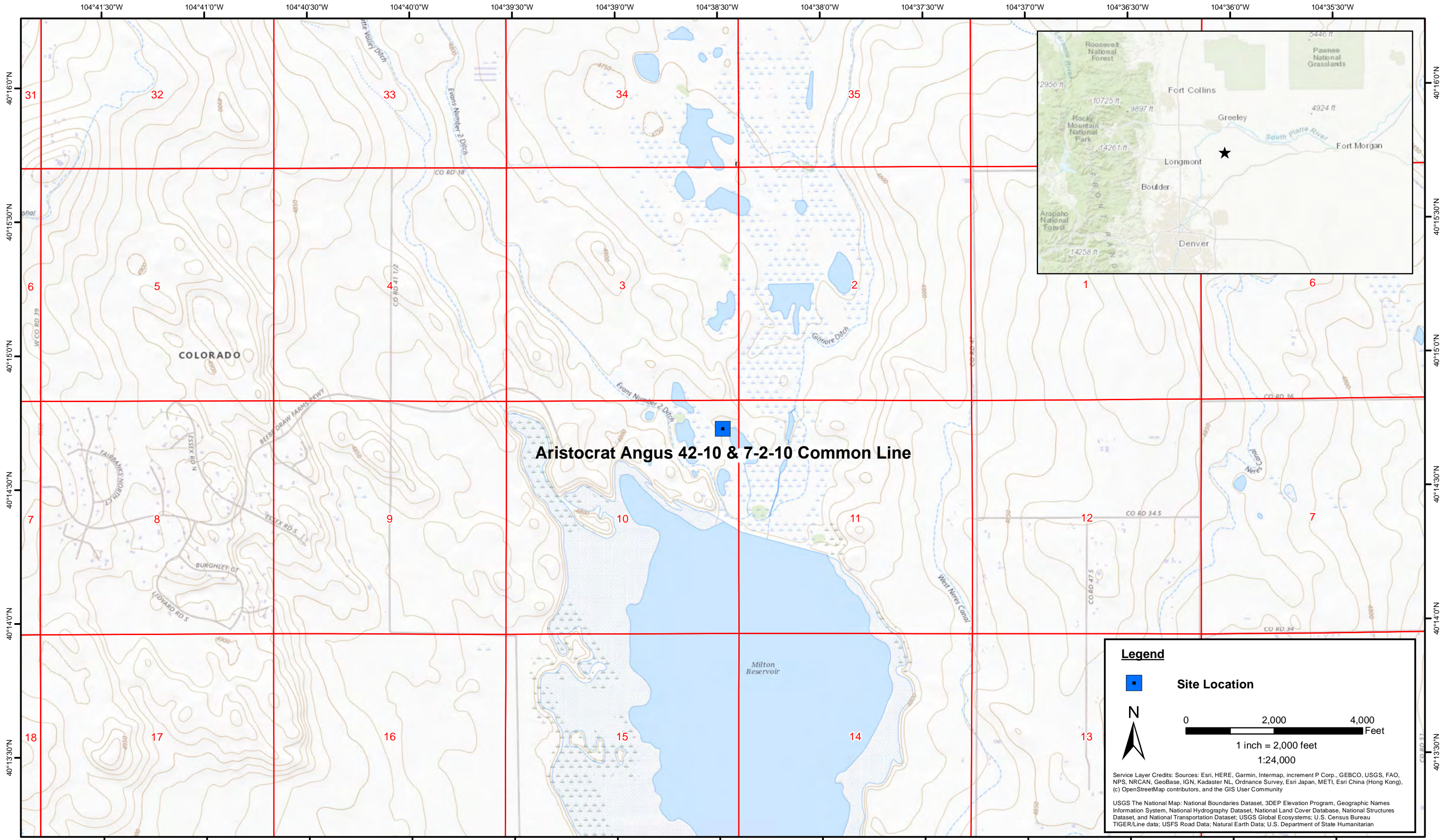
							
170°S (T) ● 40°14'38"N, 104°38'27"W ±16ft ▲ 4769ft			26°NE (T) ● 40°14'39"N, 104°38'27"W ±16ft ▲ 4769ft				
 <p style="text-align: right;">30 Nov 2023, 11:30:43</p>			 <p style="text-align: right;">30 Nov 2023, 11:43:32</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Sampling location				Notes/Conditions: Sampling location			

					
☉ 44°NE (T) ● 40°14'40"N, 104°38'28"W ±19ft ▲ 4780ft			☉ 128°SE (T) ● 40°14'39"N, 104°38'27"W ±16ft ▲ 4770ft		
					
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Sampling location			Notes/Conditions: Sampling location		

							
162°S (T) ● 40°14'42"N, 104°38'28"W ±32ft ▲ 4781ft			26°NE (T) ● 40°14'40"N, 104°38'28"W ±19ft ▲ 4782ft				
 <p style="text-align: right;">30 Nov 2023, 12:59:47</p>			 <p style="text-align: right;">30 Nov 2023, 12:53:04</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Sampling location				Notes/Conditions: Sampling location			

					
Equipment ID:		Equipment Type:	Equipment ID:		Equipment Type:
Material:	Volume:	Contents:	Material:	Volume:	Contents:
Notes/Conditions: Sampling location			Notes/Conditions:		

FIGURES



DATE:	October 2023
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Reed

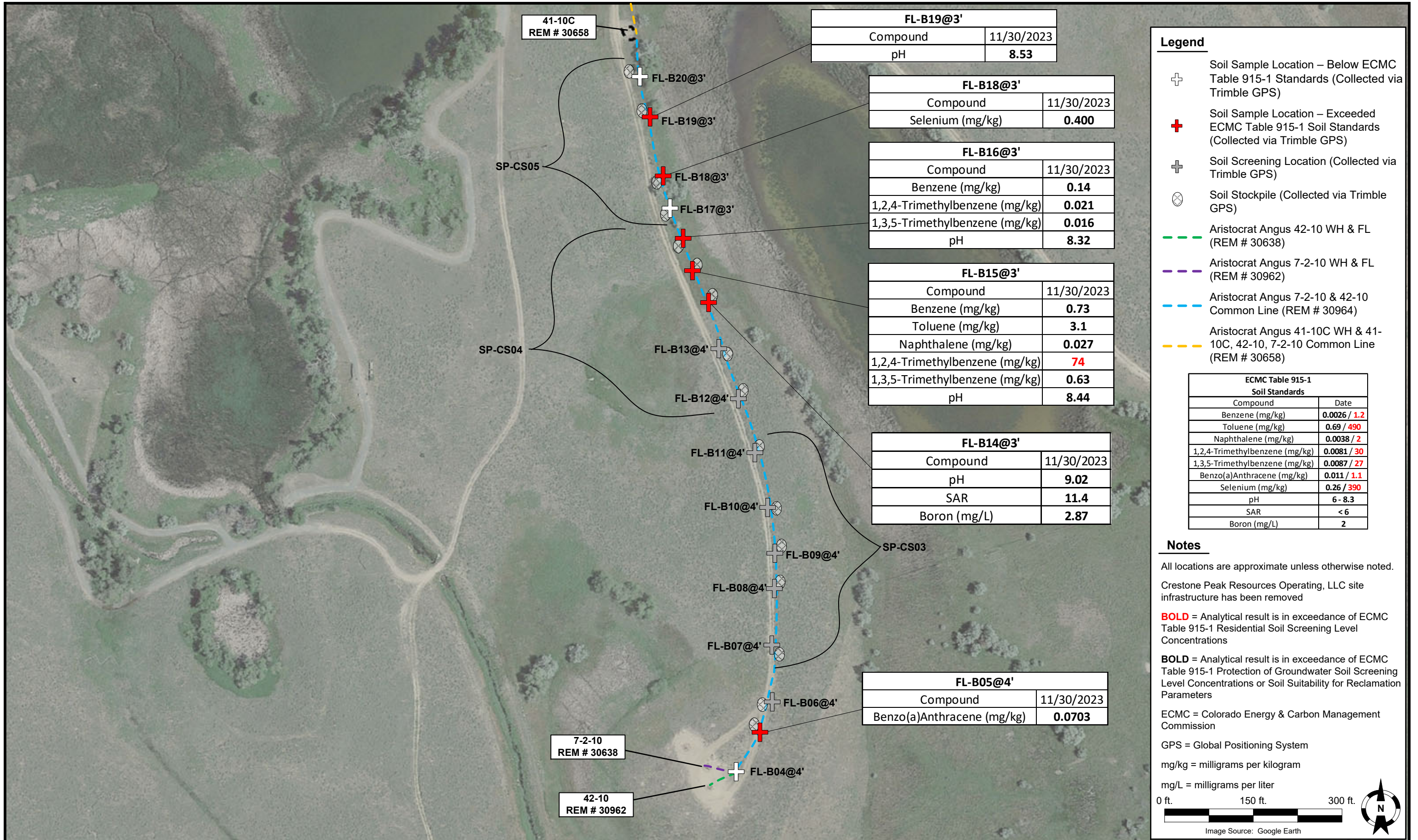


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Crestone Peak Resources Operating, LLC
Aristocrat Angus 42-10 & 7-2-10 Common Line
 SENE Sec. 10-T3N-R65W
 Weld County, Colorado

Site Location Map

Figure
1



FL-B19@3'	
Compound	11/30/2023
pH	8.53

FL-B18@3'	
Compound	11/30/2023
Selenium (mg/kg)	0.400

FL-B16@3'	
Compound	11/30/2023
Benzene (mg/kg)	0.14
1,2,4-Trimethylbenzene (mg/kg)	0.021
1,3,5-Trimethylbenzene (mg/kg)	0.016
pH	8.32

FL-B15@3'	
Compound	11/30/2023
Benzene (mg/kg)	0.73
Toluene (mg/kg)	3.1
Naphthalene (mg/kg)	0.027
1,2,4-Trimethylbenzene (mg/kg)	74
1,3,5-Trimethylbenzene (mg/kg)	0.63
pH	8.44

FL-B14@3'	
Compound	11/30/2023
pH	9.02
SAR	11.4
Boron (mg/L)	2.87

FL-B05@4'	
Compound	11/30/2023
Benzo(a)Anthracene (mg/kg)	0.0703

- Legend**
- ⊕ Soil Sample Location – Below ECMC Table 915-1 Standards (Collected via Trimble GPS)
 - ⊕ Soil Sample Location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
 - ⊕ Soil Screening Location (Collected via Trimble GPS)
 - ⊗ Soil Stockpile (Collected via Trimble GPS)
 - Aristocrat Angus 42-10 WH & FL (REM # 30638)
 - Aristocrat Angus 7-2-10 WH & FL (REM # 30962)
 - Aristocrat Angus 7-2-10 & 42-10 Common Line (REM # 30964)
 - Aristocrat Angus 41-10C WH & 41-10C, 42-10, 7-2-10 Common Line (REM # 30658)

ECMC Table 915-1 Soil Standards	
Compound	Date
Benzene (mg/kg)	0.0026 / 1.2
Toluene (mg/kg)	0.69 / 490
Naphthalene (mg/kg)	0.0038 / 2
1,2,4-Trimethylbenzene (mg/kg)	0.0081 / 30
1,3,5-Trimethylbenzene (mg/kg)	0.0087 / 27
Benzo(a)Anthracene (mg/kg)	0.011 / 1.1
Selenium (mg/kg)	0.26 / 390
pH	6 - 8.3
SAR	< 6
Boron (mg/L)	2

Notes

All locations are approximate unless otherwise noted.

Crestone Peak Resources Operating, LLC site infrastructure has been removed

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

BOLD = Analytical result is in exceedance of ECMC Table 915-1 Protection of Groundwater Soil Screening Level Concentrations or Soil Suitability for Reclamation Parameters

ECMC = Colorado Energy & Carbon Management Commission

GPS = Global Positioning System

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

0 ft. 150 ft. 300 ft.

Image Source: Google Earth

DATE: February 12, 2025

DESIGNED BY: S. Vogt

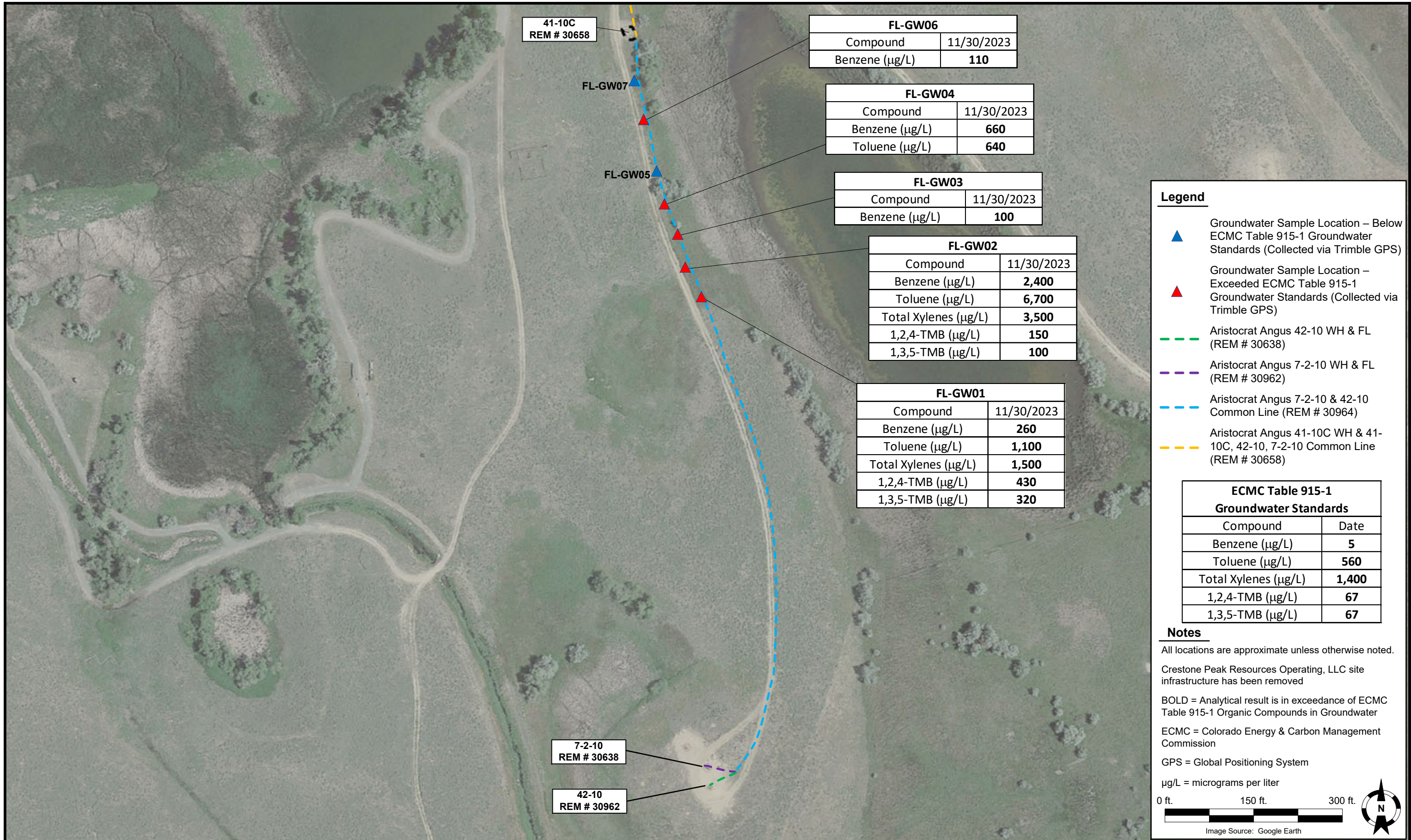
DRAWN BY: S. Vogt

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Aristocrat 41-10C
NENE Sec. 10-T3N-R65W
Weld County, Colorado
Remediation #: 30964

Flowline Soil Analytical Exceedance Map South (11/30/2023)

Figure 2A



- Legend**
- ▲ Groundwater Sample Location – Below ECMC Table 915-1 Groundwater Standards (Collected via Trimble GPS)
 - ▲ Groundwater Sample Location – Exceeded ECMC Table 915-1 Groundwater Standards (Collected via Trimble GPS)
 - Aristocrat Angus 42-10 WH & FL (REM # 30638)
 - Aristocrat Angus 7-2-10 WH & FL (REM # 30962)
 - Aristocrat Angus 7-2-10 & 42-10 Common Line (REM # 30964)
 - Aristocrat Angus 41-10C WH & 41-10C, 42-10, 7-2-10 Common Line (REM # 30658)

ECMC Table 915-1 Groundwater Standards	
Compound	Date
Benzene (µg/L)	5
Toluene (µg/L)	560
Total Xylenes (µg/L)	1,400
1,2,4-TMB (µg/L)	67
1,3,5-TMB (µg/L)	67

Notes

All locations are approximate unless otherwise noted.

Crestone Peak Resources Operating, LLC site infrastructure has been removed

BOLD = Analytical result is in exceedance of ECMC Table 915-1 Organic Compounds in Groundwater

ECMC = Colorado Energy & Carbon Management Commission

GPS = Global Positioning System

µg/L = micrograms per liter

0 ft. 150 ft. 300 ft.

Image Source: Google Earth

DATE: February 12, 2025

DESIGNED BY: S. Vogt

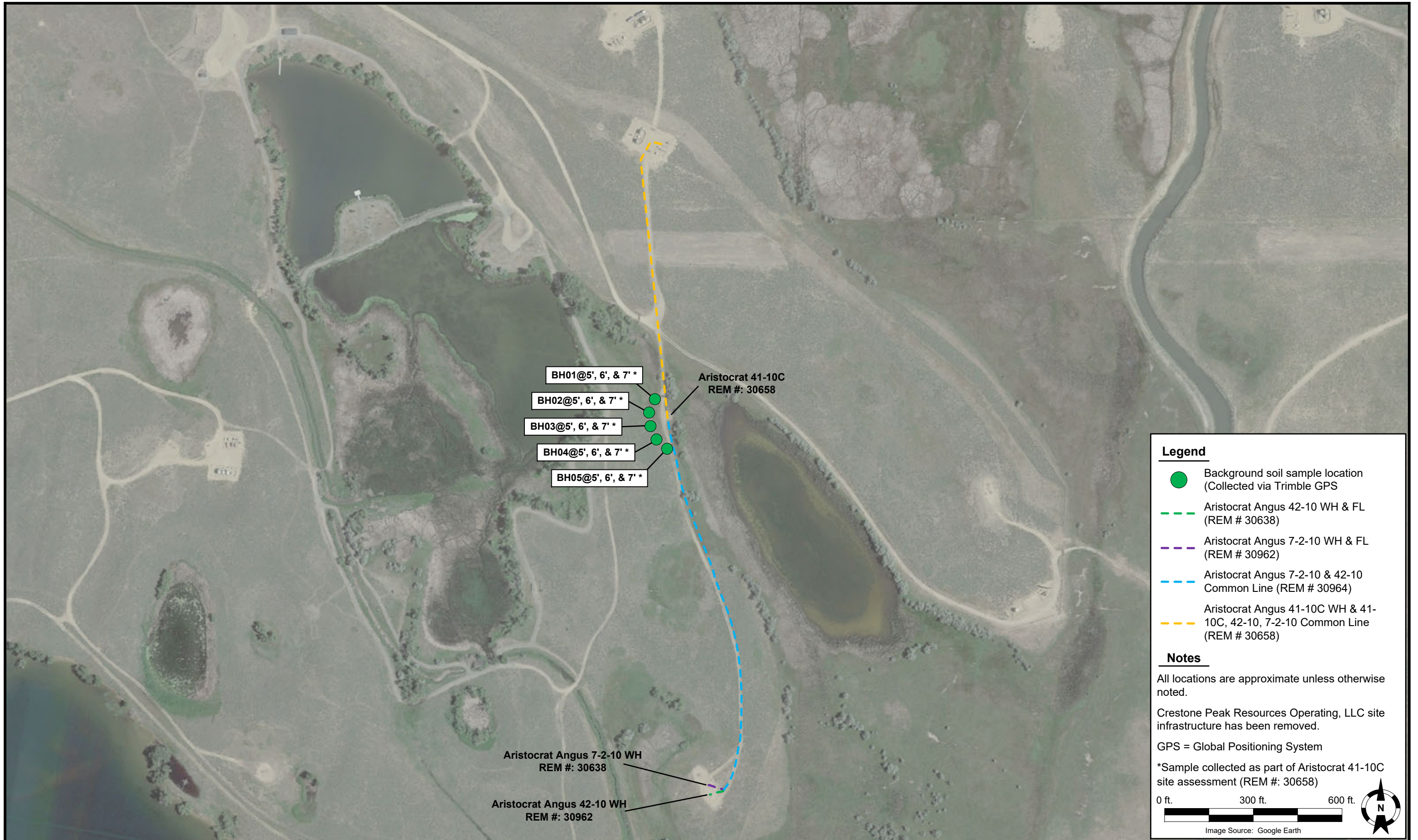
DRAWN BY: S. Vogt

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Crestone Peak Resources Operating, LLC
Aristocrat Angus 7-2-10 & 42-10 Common Line
NENE Sec. 10-T3N-R65W
Weld County, Colorado
Remediation #: 30964

Flowline Groundwater
Analytical Exceedance Map
(11/30/2023)

Figure
2B



Legend

- Background soil sample location (Collected via Trimble GPS)
- Aristocrat Angus 42-10 WH & FL (REM # 30638)
- Aristocrat Angus 7-2-10 WH & FL (REM # 30962)
- Aristocrat Angus 7-2-10 & 42-10 Common Line (REM # 30964)
- Aristocrat Angus 41-10C WH & 41-10C, 42-10, 7-2-10 Common Line (REM # 30658)

Notes

All locations are approximate unless otherwise noted.

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

GPS = Global Positioning System

*Sample collected as part of Aristocrat 41-10C site assessment (REM #: 30658)

0 ft. 300 ft. 600 ft.

Image Source: Google Earth

DATE:	February 14, 2025
DESIGNED BY:	S. Vogt
DRAWN BY:	L. Molson

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Crestone Peak Resources Operating, LLC
Aristocrat Angus 42-10 & 7-2-10 Common Line
 SENE Sec. 10-T3N-R65W
 Weld County, Colorado

Background Soil Sample
 Location Map
 (11/28/2023)

Figure
 3

TABLES

TABLE 1
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC

Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
FL-B04@4'	4'	11/30/2023	0.5	40.241960	-104.640744	1	Y
FL-B05@4'	4'	11/30/2023	0.4	40.242115	-104.640554	0.8	Y
FL-B06@4'	4'	11/30/2023	0.4	40.242252	-104.640475	0.8	N
FL-B07@4'	4'	11/30/2023	0.5	40.242516	-104.640454	-	N
FL-B08@4'	4'	11/30/2023	0.4	40.242793	-104.640440	-	N
FL-B09@4'	4'	11/30/2023	0.3	40.242952	-104.640446	-	N
FL-B10@4'	4'	11/30/2023	0.5	40.243159	-104.640485	-	N
FL-B11@4'	4'	11/30/2023	0.6	40.243423	-104.640551	-	N
FL-B12@4'	4'	11/30/2023	0.4	40.243665	-104.640664	-	N
FL-B13@4'	4'	11/30/2023	0.3	40.243902	-104.640783	-	N
FL-B14@3'	3'	11/30/2023	25.6	40.244134	-104.640881	-	Y
FL-B15@3'	3'	11/30/2023	35.7	40.244268	-104.640949	-	Y
FL-B16@3'	3'	11/30/2023	51.2	40.244418	-104.641014	-	Y
FL-B17@3'	3'	11/30/2023	0.6	40.244558	-104.641078	-	Y
FL-B18@3'	3'	11/30/2023	0.3	40.244712	-104.641135	1.3	Y
FL-B19@3'	3'	11/30/2023	0.7	40.244983	-104.641219	0.9	Y
FL-B20@3'	3'	11/30/2023	0.8	40.245147	-104.641262	1	Y
FL-GW01	1'	11/30/2023	-	40.244134	-104.640880	-	Y
FL-GW02	1'	11/30/2023	-	40.244270	-104.640947	0.9	Y
FL-GW03	1'	11/30/2023	-	40.244415	-104.641014	-	Y
FL-GW04	1'	11/30/2023	-	40.244557	-104.641086	1.3	Y
FL-GW05	1'	11/30/2023	-	40.244714	-104.641115	1.3	Y
FL-GW06	1'	11/30/2023	-	40.244983	-104.641219	0.9	Y
FL-GW07	1'	11/30/2023	-	40.245160	-104.641272	0.9	Y
SP-CS03	-	11/30/2023	0.5	40.242250	-104.640432	-	Y
SP-CS04	-	11/30/2023	28.7	40.243421	-104.640517	-	Y
SP-CS05	-	11/30/2023	1.8	40.244481	-104.641074	-	Y
BACKGROUND							
BH01@5'*	5'	11/28/2023	0.4	40.245549	-104.641534	0.8	Y
BH01@6'*	6'	11/28/2023	0.4	40.245549	-104.641534	0.8	Y
BH01@7'*	7'	11/28/2023	0.2	40.245549	-104.641534	0.8	Y
BH02@5'*	5'	11/28/2023	0.1	40.245430	-104.641560	0.8	Y
BH02@6'*	6'	11/28/2023	0.1	40.245430	-104.641560	0.8	Y
BH02@7'*	7'	11/28/2023	0.0	40.245430	-104.641560	0.8	Y

TABLE 1
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
SAMPLE LOCATIONS
CRESTONE PEAK RESOURCES OPERATING, LLC

Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
BH03@5'*	5'	11/28/2023	0.0	40.245287	-104.641516	0.8	Y
BH03@6'*	6'	11/28/2023	0.1	40.245287	-104.641516	0.8	Y
BH03@7'*	7'	11/28/2023	0.0	40.245287	-104.641516	0.8	Y
BH04@5'*	5'	11/28/2023	1.3	40.245167	-104.641401	0.8	Y
BH04@6'*	6'	11/28/2023	0.5	40.245167	-104.641401	0.8	Y
BH04@7'*	7'	11/28/2023	0.4	40.245167	-104.641401	0.8	Y
BH05@5'	5'	11/28/2023	1.3	40.245162	-104.641312	0.8	Y
BH05@6'*	6'	11/28/2023	1.4	40.245162	-104.641312	0.8	Y
BH05@7'*	7'	11/28/2023	1.1	40.245162	-104.641312	0.8	Y

Notes:

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

*Sample location collected as part of Aristocrat 41-10C site assessment (REM #: 30658)

TABLE 2
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
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
FL-B04@4'	4'	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
FL-B05@4'	4'	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
FL-B14@3'	3'	11/30/2023	<0.0020	0.0078	<0.0050	0.050	<0.0038	<0.50	<50	<50	0.0057	0.0071
FL-B15@3'	3'	11/30/2023	0.73	3.1	0.40	3.4	0.027	100	<50	<50	74	0.63
FL-B16@3'	3'	11/30/2023	0.14	0.25	<0.0050	0.27	<0.0038	2.0	<50	<50	0.021	0.016
FL-B17@3'	3'	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
FL-B18@3'	3'	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
FL-B19@3'	3'	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
FL-B20@3'	3'	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS03	-	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS04	-	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS05	-	11/30/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050

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

TABLE 3
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
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
FL-B04@4'	4'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B05@4'	4'	11/30/2023	<0.00500	0.0174	0.0703	0.0545	0.0183	0.0634	0.0658	<0.00500	0.0900	<0.00500	0.0282	<0.00500	<0.00500	0.0979
FL-B14@3'	3'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B15@3'	3'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B16@3'	3'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B17@3'	3'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B18@3'	3'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B19@3'	3'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
FL-B20@3'	3'	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SP-CS03	-	11/30/2023	<0.00500	<0.00500	0.00505	0.00608	<0.00500	0.00611	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SP-CS04	-	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500
SP-CS05	-	11/30/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500

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

TABLE 3
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
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

- = Not Applicable

TABLE 4
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
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
FL-B04@4'	4'	11/30/2023	1.09*	37.9	<0.200	<0.30	2.49	5.17	2.24	<0.260	<0.0200	9.65
FL-B05@4'	4'	11/30/2023	1.21*	41.5	<0.200	<0.30	2.41	3.91	2.38	<0.260	0.0224	9.50
FL-B14@3'	3'	11/30/2023	1.17*	21.6	<0.200	<0.30	2.37	4.55	1.83	<0.260	<0.0200	8.86
FL-B15@3'	3'	11/30/2023	0.519*	15.1	<0.200	<0.30	2.24	4.99	1.47	<0.260	<0.0200	9.08
FL-B16@3'	3'	11/30/2023	1.04*	20.0	<0.200	<0.30	2.10	4.25	1.71	<0.260	<0.0200	8.08
FL-B17@3'	3'	11/30/2023	1.00*	23.8	<0.200	<0.30	2.09	3.55	1.66	<0.260	<0.0200	8.56
FL-B18@3'	3'	11/30/2023	1.06*	24.9	<0.200	<0.30	2.06	4.04	1.73	0.400	<0.0200	8.65
FL-B19@3'	3'	11/30/2023	0.707*	18.7	<0.200	<0.30	2.04	3.60	1.50	<0.260	<0.0200	7.69
FL-B20@3'	3'	11/30/2023	1.18*	22.1	<0.200	<0.30	2.20	4.10	1.65	<0.260	0.0309	8.31
SP-CS03	-	11/30/2023	1.16*	30.3	<0.200	<0.30	2.11	3.46	2.07	<0.260	<0.0200	8.54
SP-CS04	-	11/30/2023	0.940*	29.6	<0.200	<0.30	2.42	3.66	2.22	<0.260	<0.0200	9.44
SP-CS05	-	11/30/2023	0.904*	19.9	<0.200	<0.30	2.14	4.15	1.61	<0.260	<0.0200	8.44
BACKGROUND												
BH01@5'***	5'	11/28/2023	0.657	49.9	<0.200	<0.30	1.16	2.87	1.30	<0.260	<0.0200	4.88
BH02@5'***	5'	11/28/2023	1.21	43.0	<0.200	<0.30	2.40	3.29	2.59	<0.260	0.0204	9.64
BH03@5'***	5'	11/28/2023	1.15	49.2	<0.200	<0.30	2.14	3.64	2.28	<0.260	<0.0200	8.99
BH04@5'***	5'	11/28/2023	0.544	52.2	<0.200	<0.30	1.10	2.63	1.13	<0.260	<0.0200	4.61
BH05@5'***	5'	11/28/2023	0.836	25.4	<0.200	<0.30	2.02	2.69	1.80	<0.260	<0.0200	7.94
BH01@6'***	6'	11/28/2023	0.730	66.4	<0.200	<0.30	1.89	4.88	2.01	<0.260	0.0250	7.59
BH02@6'***	6'	11/28/2023	1.34	50.0	<0.200	<0.30	2.30	3.50	2.75	<0.260	<0.0200	10.7
BH03@6'***	6'	11/28/2023	1.34	45.2	<0.200	<0.30	2.75	3.65	2.77	<0.260	<0.0200	10.8
BH04@6'***	6'	11/28/2023	1.09	36.4	<0.200	<0.30	2.16	2.98	2.44	<0.260	<0.0200	9.19
BH05@6'***	6'	11/28/2023	1.27	45.2	<0.200	<0.30	2.49	3.44	2.59	<0.260	<0.0200	10.5
BH01@7'***	7'	11/28/2023	1.77	51.7	<0.200	<0.30	3.43	4.89	3.52	<0.260	0.0213	14.0
BH02@7'***	7'	11/28/2023	1.51	54.7	<0.200	<0.30	3.23	4.62	3.41	<0.260	0.0201	13.1

TABLE 4
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
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
BH03@7'***	7'	11/28/2023	1.34	36.7	<0.200	<0.30	2.36	3.49	2.76	<0.260	<0.0200	10.8
BH04@7'***	7'	11/28/2023	1.06	40.6	<0.200	<0.30	2.04	2.84	2.21	<0.260	<0.0200	8.67
BH05@7'***	7'	11/28/2023	1.05	43.6	<0.200	<0.30	2.29	2.79	2.21	<0.260	<0.0200	8.81
Highest Background @ 0 - 7' x 1.25 (SP)			2.21	83.0	-	-	4.29	6.11	4.40	-	0.0313	17.5

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

SP = Poorly Graded 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 1.25x background multiplier levels

**Sample location collected as part of Aristocrat 41-10C site assessment (REM #: 30658)

- = Not Applicable

TABLE 5
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
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
FL-B04@4'	4'	11/30/2023	7.60	0.0282	0.0391	<2.00
FL-B05@4'	4'	11/30/2023	6.93	0.0883	0.0623	<2.00
FL-B14@3'	3'	11/30/2023	9.02	11.4	2.52	2.87
FL-B15@3'	3'	11/30/2023	8.44	8.24*	2.22	<2.00
FL-B16@3'	3'	11/30/2023	8.32	6.67*	1.66	<2.00
FL-B17@3'	3'	11/30/2023	8.19	3.94	0.873	<2.00
FL-B18@3'	3'	11/30/2023	8.01	2.09	0.505	<2.00
FL-B19@3'	3'	11/30/2023	8.53	3.84	1.11	<2.00
FL-B20@3'	3'	11/30/2023	7.72	3.78	0.628	<2.00
SP-CS03	-	11/30/2023	7.09	0.0284	0.0414	<2.00
SP-CS04	-	11/30/2023	8.00	8.20*	2.69	<2.00
SP-CS05	-	11/30/2023	8.25	4.56	1.67	<2.00
BACKGROUND						
BH01@5'***	5'	11/28/2023	7.79	2.78	0.420	<2.00
BH02@5'***	5'	11/28/2023	7.77	3.35	0.520	<2.00
BH03@5'***	5'	11/28/2023	7.93	9.22	0.968	<2.00
BH04@5'***	5'	11/28/2023	7.88	6.36	0.805	<2.00
BH05@5'***	5'	11/28/2023	7.61	4.17	0.807	<2.00
BH01@6'***	6'	11/28/2023	7.24	2.75	0.407	<2.00
BH02@6'***	6'	11/28/2023	7.95	4.49	0.540	<2.00
BH03@6'***	6'	11/28/2023	7.53	6.01	1.26	<2.00
BH04@6'***	6'	11/28/2023	7.56	3.35	0.784	<2.00
BH05@6'***	6'	11/28/2023	7.66	4.61	0.971	<2.00
BH01@7'***	7'	11/28/2023	7.31	2.82	0.386	<2.00
BH02@7'***	7'	11/28/2023	7.19	0.875	0.384	<2.00
BH03@7'***	7'	11/28/2023	7.65	2.58	0.813	<2.00
BH04@7'***	7'	11/28/2023	7.82	3.26	0.765	<2.00
BH05@7'***	7'	11/28/2023	7.74	2.70	0.978	<2.00
Highest Background @ 0 - 7' (SP)			7.95	9.22	1.26	-

Notes:

TABLE 5
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
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

SP = Poorly Graded 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

**Sample location collected as part of Aristocrat 41-10C site assessment (REM #: 30658)

- = Not Applicable

TABLE 6
ARISTOCRAT ANGUS 42-10 & 7-2-10 COMMON LINE
GROUNDWATER ANALYTICAL DATA
CRESTONE PEAK RESOURCES OPERATING, LLC



Groundwater Sample ID	Date	Benzene (µg/L)	Toluene (µg/L)	Ehtylbenzene (µg/L)	Total Xylenes (µg/L)	Naphthalene (µg/L)	1,2,4-TMB (µg/L)	1,3,5-TMB (µg/L)	Chloride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
ECMC Organic Compounds in Groundwater and Groundwater Inorganic Parameters ⁽¹⁾		5	560	700	1,400	140	67	67	250 or <1.25 x Background	250 or <1.25 x Background	<1.25 x Background
FL-GW01	11/30/2023	260	1,100	67	1,500	44	430	320	-	-	-
FL-GW02	11/30/2023	2,400	6,700	160	3,500	18	150	100	-	-	-
FL-GW03	11/30/2023	100	140	6.9	100	<1.0	8.3	5.8	-	-	-
FL-GW04	11/30/2023	660	640	25	390	<1.0	16	11	-	-	-
FL-GW05	11/30/2023	4.7	19	<1.0	12	<1.0	<1.0	<1.0	-	-	-
FL-GW06	11/30/2023	110	220	12	190	<1.0	16	11	-	-	-
FL-GW07	11/30/2023	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	-	-	-

Notes:

(1) Standards for groundwater are taken from ECMC Table 915-1: Organic Compounds in Groundwater and Groundwater Inorganic Parameters (Effective January 15, 2021)

ECMC = Colorado Energy & Carbon Management Commission

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

µg/L = micrograms per liter

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

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

TDS = Total Dissolved Solids

BOLD = Analytical result is in exceedance of ECMC Table 915-1: Organic Compounds in Groundwater and Groundwater Inorganic Parameters

- = Constituent not analyzed