

# **Aristocrat Angus 8-2-4**

NENE Sec. 4-T3N-R65W

API #: 123-33562

Facility ID: 473332

**Remediation Project #: 28492**

Excavation Summary Report and No Further Action Request

September 2023 through April 2024

Prepared by Tasman, Inc.



On behalf of Crestone Peak Resources Operating, LLC



October 24, 2024

Jacob Evans, REM  
Environmental Compliance Advisor  
Crestone Peak Resources Operating, LLC

**Re: Aristocrat Angus 8-2-4  
Excavation Summary Report and No Further Action Request  
API #: 123-33562  
Facility ID #: 473332  
Remediation Project #: 28492  
NENE, Section 4, Township 3 N, Range 65 W  
Weld County, Colorado**

Mr. Evans:

On July 18, 2023, Crestone Peak Resources Operating, LLC (Client) reported a historical release to the Colorado Energy & Carbon Management Commission (ECMC) via Form 19-Initial/Supplemental Document No. 403467492. The release was discovered at the Aristocrat Angus 8-4-2 wellhead excavation located in the northeast quarter of the northeast quarter of Section 4, Township 3 North, Range 65 West (Site) [Figure 1].

Wellhead and flowline decommissioning activities were initiated in July 2023 by Tasman, Inc. (Tasman) under Remediation # 28492 and included in Form 27-Initial Document No. 403356986. A Wellhead Decommissioning Package with details of the initial decommissioning activities was submitted as an attachment to Form 27-Supplemental Document No. 403496922. This report describes flowline decommissioning, impacted soil removal, and the results of soil sampling activities completed from September 2023 through April 2024.

### **Excavation Confirmation Sampling**

Tasman collected a total of seventeen (17) confirmation soil samples from the sidewalls and base of the wellhead excavation at depths ranging from 5 feet to 10 feet below ground surface (bgs). The final excavation area for the wellhead excavation measured approximately 30 feet long (north to south) by 16 feet wide (east to west) by 10 feet deep. In total, approximately 175 cubic yards (cyd) of impacted soil were excavated and transported to the Buffalo Ridge Landfill in Keenesburg, Colorado. Excavation extents, confirmation soil sample locations, and field screening locations for the wellhead excavation are illustrated on Figures 2A through 2D.

Tasman collected a total of three (3) confirmation soil samples from the wellhead and separator riser ends of the off-location flowline excavations. Tasman field screened a total of four (4) soil sample locations along the off-location flowline path at depths ranging from 4 to 5 feet bgs. Confirmation soil sample locations and field screening locations for the off-location flowline are illustrated on Figure 3. Confirmation soil sample global positioning system (GPS) locations and photoionization detector (PID) readings are listed in Table 1. Field notes and photo documentation of the sample locations are provided in Attachment A.

Confirmation soil samples collected and submitted to Summit Scientific (Summit) in Golden, Colorado for analysis of the full ECMC Table 915-1 analytical suite.

### **Excavation Analytical Results**

Based on analytical results, concentrations of pH above ECMC Table 915-1 Soil Suitability for Reclamation Standards are currently left in place along the sidewall of the wellhead. Soil analytical results are presented in Tables 2 through 5 and illustrated in Figures 2A through 2D and Figure 3. Laboratory analytical reports are provided as Attachment B.

### **Background Soils**

A total of twenty-five (25) background samples were collected from soils at similar depths and lithologies to the excavations. The Site lithology generally consists of light brown poorly graded sand from 0 to 10 feet bgs above light. Background soil samples representative of the light brown poorly graded sand were collected at a depth of approximately 7 to 10 feet bgs. Field photos describing the Site lithology are presented in Attachment A.

Concentrations of pH exceeded applicable ECMC Table 915-1 soil standards and Site-specific background concentrations. Concentrations of arsenic and pH exceeded applicable ECMC Table 915-1 soil standards but were below Site-specific backgrounds. Site-specific background concentrations for metals were calculated by taking the highest concentration for each lithology (excluding any anomalously high concentrations) and multiplying by 1.25. Site-specific background concentrations for soil suitability parameters were based on the highest concentration for each lithology (excluding any anomalously high concentrations).

A comparison of the Site-specific backgrounds and the range of concentrations left in place (poorly graded sand) is listed below for clarification:

Arsenic - milligrams per kilogram (mg/kg)

- Highest background sample: BG06@7'
- Site-specific background concentration:  $1.64 \text{ mg/kg} * 1.25 = 2.05 \text{ mg/kg}$
- Range of concentrations left in place: 0.345 to 1.00 mg/kg

pH – standard units (su)

- Highest background sample: BG06@10'
- Site-specific background concentration: 8.65 su
- Range of concentrations left in place: 6.10 to 8.71 su

Background soil sample locations are illustrated in Figure 4. The site-specific background concentrations for metals and soil suitability are provided in Tables 4 and 5, respectively.

### **Conclusions and Recommendations**

Based on analytical results, one concentration of pH above ECMC Table 915-1 Soil Suitability for Reclamation Standards and the Site-specific background concentration is currently left in place at a depth of 9 feet bgs along the southern sidewall of the wellhead excavation (WH-S05@9'). Southern sidewall samples, WH-S03@7' and WH-S04@7, collected at the excavation extent previously were below the final Site-specific background concentrations. The concentration of pH at WH-S05@9' (8.71 su) only slightly exceeds the Site-specific background of 8.65 su and appears to be de minimis in

quantity; therefore, this elevated pH may not be indicative of an Exploration & Production (E&P) release and is likely due to heterogeneous lithology.

Based on the data presented in the report, Tasman, on behalf of the Client, requests that a No Further Action determination be issued for the Aristocrat Angus 8-2-4 Site.

Following your review, feel free to contact Tracey at 214-298-4608 if you have any questions.

Sincerely,  
Written by:



Logan Molson,  
Environmental Scientist

Reviewed by:



Tracey Smith, PG  
Project Manager

Figures:

- Figure 1 – Site Location Map
- Figure 2A – Wellhead Soil Sample Location Map (07/03/2023)
- Figure 2B – Wellhead Soil Sample Location Map (09/14/2023)
- Figure 2C – Wellhead Soil Sample Location Map (10/09/2023)
- Figure 2D – Wellhead Soil Sample Location Map (11/21/2023)
- Figure 3 – Flowline Soil Sample Location Map (07/03/2023 & 08/23/2023)
- Figure 4 – Background Soil Sample Location Map (10/09/2023 – 04/15/2024)

Tables – Materials Left in Place:

- Table 1 – Soil Sample Locations Left in Place
- Table 2 – Soil Analytical Data Left In Place – VOCs
- Table 3 – Soil Analytical Data Left In Place – PAHs
- Table 4 – Soil Analytical Data Left In Place – Metals
- Table 5 – Soil Analytical Data Left In Place – Soil Reclamation

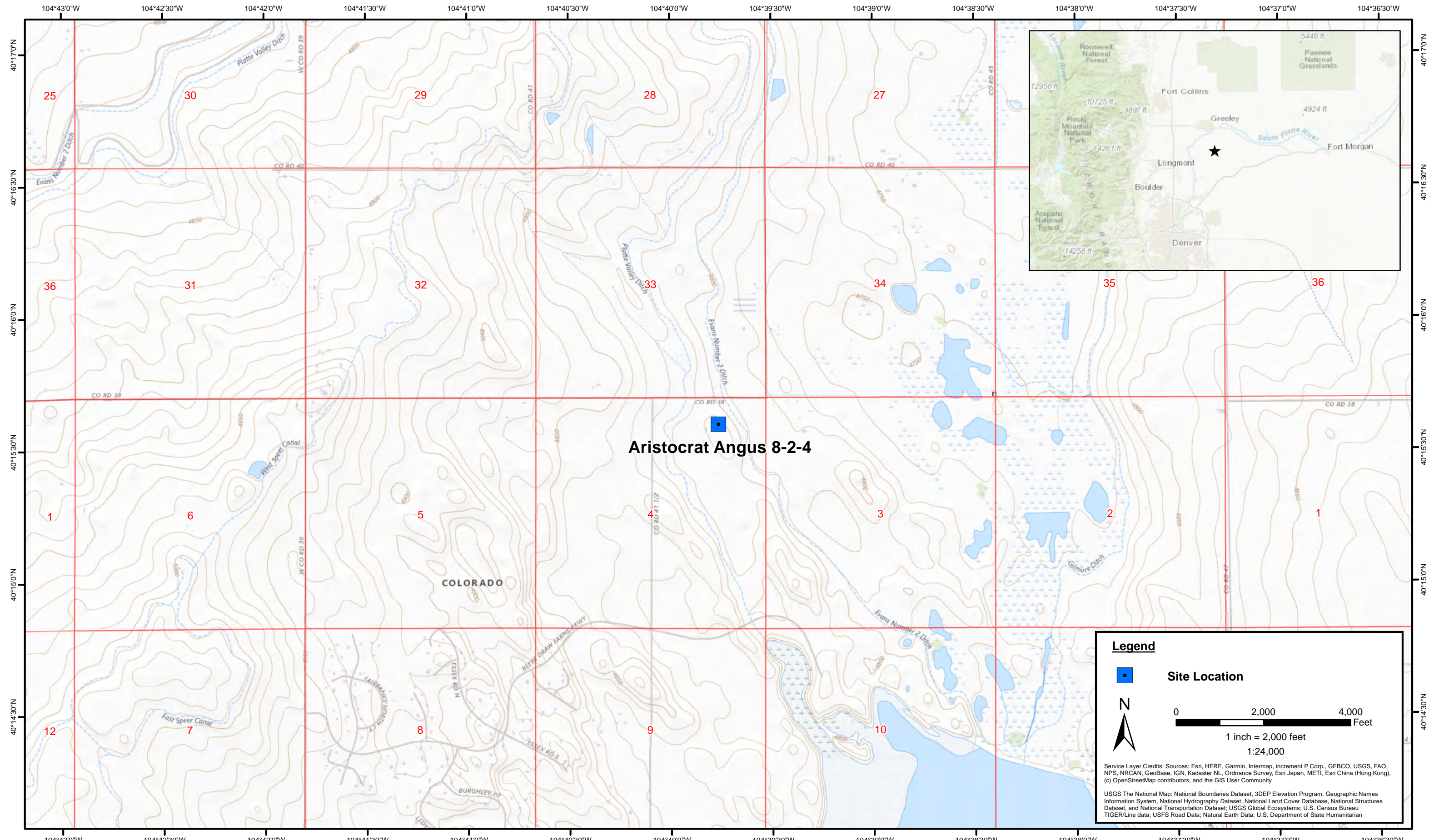
Tables – Impacted Material Removed:

- Table 1 – Soil Sample Locations Removed
- Table 2 – Soil Analytical Data Removed – VOCs
- Table 3 – Soil Analytical Data Removed – PAHs
- Table 4 – Soil Analytical Data Removed – Metals
- Table 5 – Soil Analytical Data Removed – Soil Reclamation

Attachments:

- Attachment A – Excavation Field Notes and Photolog
- Attachment B – Laboratory Analytical Data

# FIGURES



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



**Tasman, Inc.**  
 6855 W. 119th Ave  
 Broomfield, CO 80020

**Crestone Peak Resources Operating, LLC**  
**Aristocrat Angus 8-2-4**  
 NENE Sec. 4-T3N-R65W  
 Weld County, Colorado

Site Location Map

Figure  
1



**Legend**

- Soil sample location – Field Screened (Collected via Trimble GPS)
- Soil sample location – Below ECMC Table 915-1 Soil Standards (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 (Collected via Trimble GPS)
- Flowline location

ECMC Table 915-1 Soil Standards	
Compound	Date
1-M (mg/kg)	<b>0.006 / 18</b>
Barium (mg/kg)	<b>82 / 15,000</b>
Cadmium (mg/kg)	<b>0.38 / 71</b>

**Notes**

All locations are approximate unless otherwise noted.

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

ECMC = Colorado Energy & Carbon Management Commission

GPS = Global Positioning System

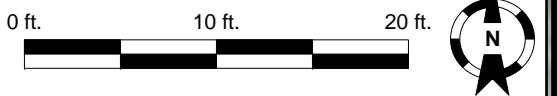
**BOLD** = Analytical result is in exceedance of ECMC Table 915-1 Residential Screening Level Concentrations

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

M = Methylnaphthalene

mg/kg = milligrams per kilogram

FL-B01@5'	
Compound	07/03/2023
1-M (mg/kg)	<b>0.0190</b>
Barium (mg/kg)	<b>388</b>
Cadmium (mg/kg)	<b>0.488</b>



DATE: August 21, 2024

DESIGNED BY: S. Vogt

DRAWN BY: L. Molson



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Wellhead Soil Sample  
Location Map  
(07/03/2023)

**FIGURE**  
**2A**



- Legend**
- Soil sample location – Below ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
  - Soil sample location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
  - Excavation extent (Collected via Trimble GPS)
  - Previous excavation extent (Collected via Trimble GPS)
  - Flowline location

ECMC Table 915-1 Soil Standards	
Compound	Date
Naphthalene (mg/kg)	<b>0.0038 / 2</b>
1,2,4-TMB (mg/kg)	<b>0.0081 / 30</b>
1,3,5-TMB (mg/kg)	<b>0.0087 / 27</b>
1-M (mg/kg)	<b>0.006 / 18</b>
2-M (mg/kg)	<b>0.019 / 24</b>

**Notes**

All locations are approximate unless otherwise noted.

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

Locations removed via excavation not shown unless otherwise noted.

ECMC = Colorado Energy & Carbon Management Commission

GPS = Global Positioning System

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

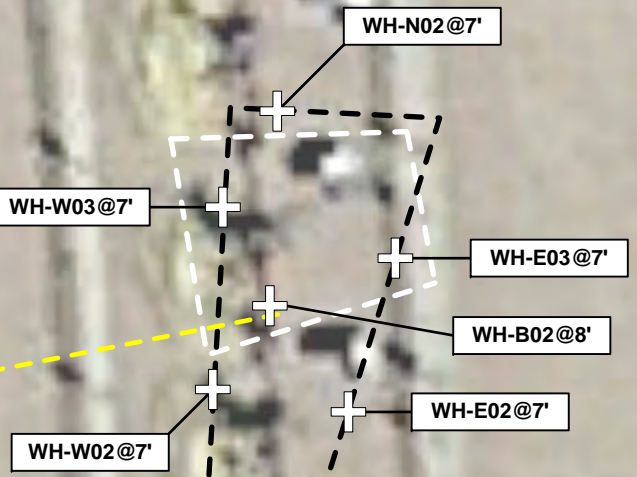
**BOLD** = Analytical result is in exceedance of ECMC Table 915-1 Protection of Groundwater Soil Screening Level Concentrations or Soil Suitability for Reclamation Parameters

TMB = Trimethylbenzene

M = Methylnaphthalene

mg/kg = milligrams per kilogram

0 ft.      10 ft.      20 ft.



WH-S02@7'	
Compound	09/14/2023
Naphthalene (mg/kg)	<b>0.0038</b>
1,2,4-TMB (mg/kg)	<b>0.096</b>
1,2,4-TMB (mg/kg)	<b>0.018</b>
1-M (mg/kg)	<b>0.0232</b>
2-M (mg/kg)	<b>0.0465</b>

DATE: August 21, 2024

DESIGNED BY: S. Vogt

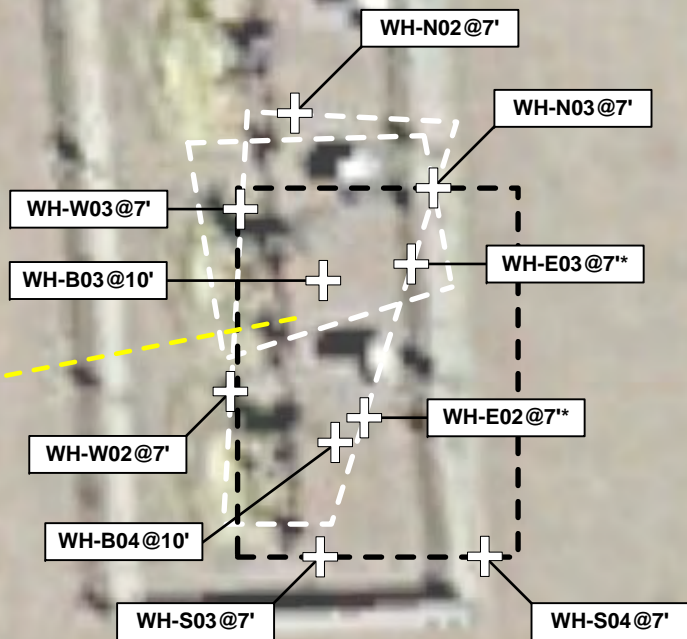
DRAWN BY: L. Molson

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 Weld County, Colorado

Wellhead Soil Sample  
 Location Map  
 (09/14/2023)

FIGURE  
 2B



- Legend**
- ⊕ Soil sample location – Below ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
  - ⊔ Excavation extent (Collected via Trimble GPS)
  - ⊔ Previous excavation extent (Collected via Trimble GPS)
  - Flowline location

**Notes**

All locations are approximate unless otherwise noted.

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

Locations removed via excavation not shown unless otherwise noted.

ECMC = Colorado Energy & Carbon Management Commission

GPS = Global Positioning System

\* = Sample location removed via excavation

0 ft. 10 ft. 20 ft.

DATE: August 21, 2024

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 Weld County, Colorado

Wellhead Soil Sample  
 Location Map  
 (10/09/2023)

FIGURE  
 2C



**Legend**

- ⊕ Soil sample location – Below ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- ⊕ Soil sample location – Exceeded ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- ⊔ Excavation extent (Collected via Trimble GPS)
- ⊔ Previous excavation extent (Collected via Trimble GPS)
- Flowline location

ECMC Table 915-1 Soil Standards	
Compound	Date
pH	6 - 8.3

**Notes**

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Locations removed via excavation not shown unless otherwise noted.

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GPS = Global Positioning System

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

\* = Sample location removed via excavation

0 ft.      10 ft.      20 ft.

WH-S05@9'	
Compound	11/21/2023
pH	<b>8.71</b>

DATE: August 21, 2024

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Wellhead Soil Sample  
Location Map  
(11/21/2023)

FIGURE  
2D



**Legend**

- Soil sample location – Field Screened (Collected via Trimble GPS)
- Soil sample location – Below ECMC Table 915-1 Soil Standards (Collected via Trimble GPS)
- Soil sample location – Removed (Collected via Trimble GPS)
- Final excavation extent – November 21, 2023 (Collected via Trimble GPS)
- Stockpile location (Collected via Trimble GPS)
- Flowline location

**Notes**

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

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GPS = Global Positioning System

0 ft.      40 ft.      80 ft.

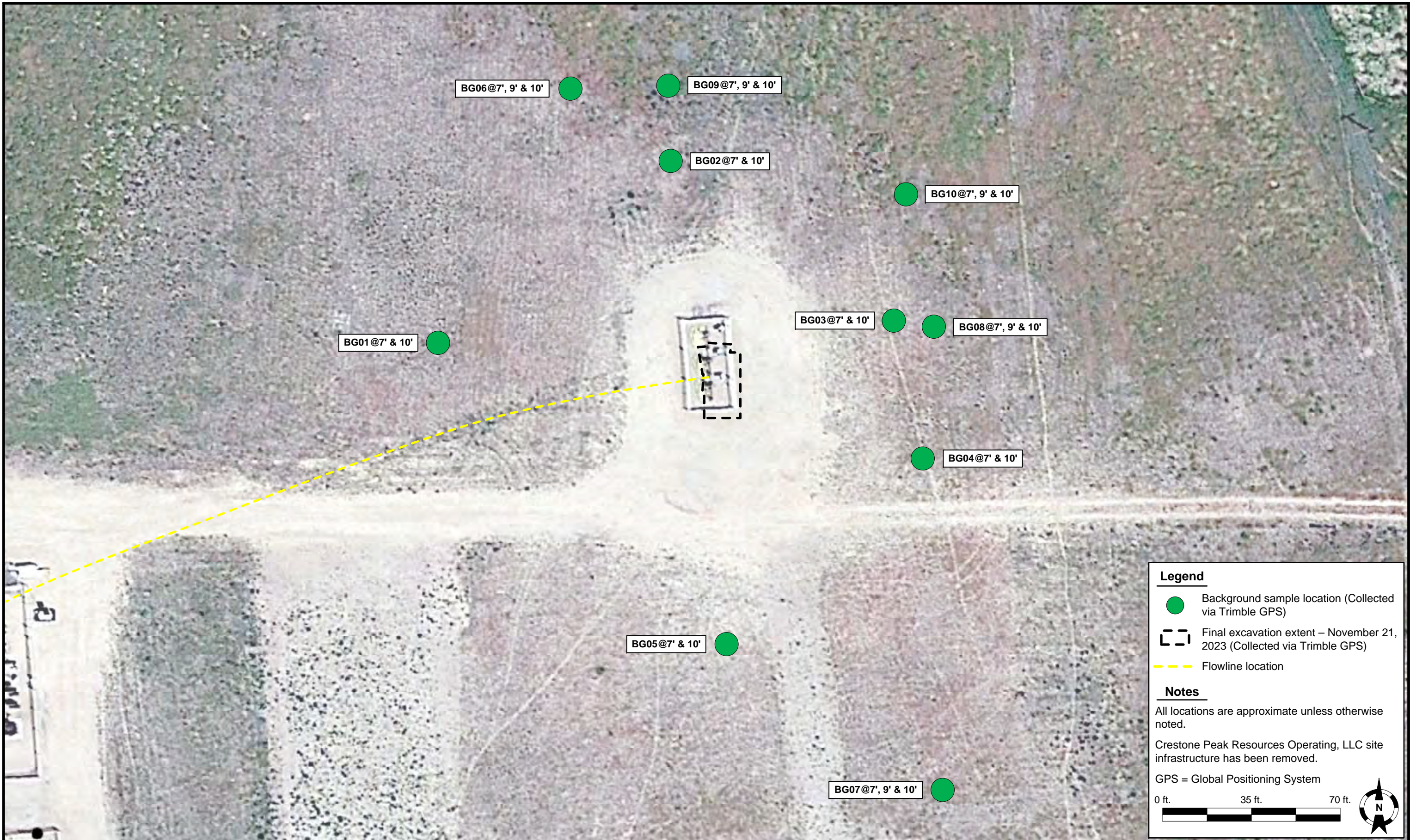
DATE:	August 21, 2024
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 Weld County, Colorado

Flowline Soil Sample  
 Location Map  
 (07/03/2023 – 08/23/2023)

**FIGURE**  
3



**Legend**

- Background sample location (Collected via Trimble GPS)
- Final excavation extent – November 21, 2023 (Collected via Trimble GPS)
- Flowline location

**Notes**

All locations are approximate unless otherwise noted.

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

GPS = Global Positioning System

0 ft.                      35 ft.                      70 ft.

DATE:	August 21, 2024
DESIGNED BY:	S. Vogt
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 NENE Sec. 4-T3N-R65W  
 Weld County, Colorado

Background Soil Sample  
 Location Map  
 (10/09/2023 – 04/15/2024)

**FIGURE**  
4

## **TABLES**

### **MATERIAL LEFT IN PLACE**

**TABLE 1**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL SAMPLE LOCATIONS LEFT IN PLACE**  
**CRESTONE PEAK RESOURCES OPERATING, LLC**



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
FL-B02@5'	5'	08/23/2023	1.6	40.259952	-104.662713	1.1	N
FL-B03@4'	4'	08/23/2023	0.4	40.259919	-104.662905	1.2	N
FL-B04@5'	5'	08/23/2023	0.2	40.259886	-104.663104	0.8	N
FL-B05@5'	5'	08/23/2023	0.6	40.259824	-104.663317	1	N
FL-B06@5'	5'	08/23/2023	0.4	40.259775	-104.663474	1.2	Y
FL-B07@5'	5'	08/23/2023	0.8	40.259696	-104.663713	1	Y
SP-CS02	-	08/23/2023	0.8	-	-	-	Y
WH-N02@7'	7'	09/14/2023	0.2	40.259977	-104.662714	0.9	Y
WH-W02@7'	7'	09/14/2023	0.0	40.259942	-104.662722	0.9	Y
WH-W03@7'	7'	09/14/2023	0.1	40.259968	-104.662722	0.9	Y
WH-B03@10'	10'	10/09/2023	0.0	40.259958	-104.662705	1.3	Y
WH-B04@10'	10'	10/09/2023	0.0	40.259935	-104.662701	1.3	Y
WH-N03@7'	7'	10/09/2023	0.1	40.259972	-104.662684	1.3	Y
WH-S05@9'	9'	11/21/2023	0.1	40.259899	-104.662718	1.1	Y
WH-S06@9'	9'	11/21/2023	0.1	40.259903	-104.662682	0.9	Y
<b>BACKGROUND</b>							
BG01@7'	7'	10/09/2023	0.0	40.259989	-104.663106	1	Y
BG01@10'	10'	10/09/2023	0.1	40.259989	-104.663106	1	Y
BG02@7'	7'	10/09/2023	0.2	40.259989	-104.663106	1	Y
BG02@10'	10'	10/09/2023	0.2	40.260186	-104.662776	1	Y
BG03@7'	7'	10/09/2023	0.0	40.260013	-104.662460	1.1	Y
BG03@10'	10'	10/09/2023	0.1	40.260013	-104.662460	1.1	Y
BG04@7'	7'	10/09/2023	0.1	40.259860	-104.662421	1.1	Y
BG04@10'	10'	10/09/2023	0.1	40.259860	-104.662421	1.1	Y
BG05@7'	7'	10/09/2023	0.1	40.259661	-104.662698	1.1	Y
BG05@10'	10'	10/09/2023	0.0	40.259661	-104.662698	1.1	Y
BG06@7'	7'	04/15/2024	0.3	40.260263	-104.662919	1.1	Y
BG06@9'	9'	04/15/2024	0.9	40.260263	-104.662919	1.1	Y
BG06@10'	10'	04/15/2024	1.2	40.260263	-104.662919	1.1	Y
BG07@7'	7'	04/15/2024	1.9	40.259505	-104.662397	0.8	Y
BG07@9'	9'	04/15/2024	1.5	40.259505	-104.662397	0.8	Y
BG07@10'	10'	04/15/2024	0.5	40.259505	-104.662397	0.8	Y
BG08@7'	7'	04/15/2024	0.6	40.260007	-104.662406	0.9	Y
BG08@9'	9'	04/15/2024	0.0	40.260007	-104.662406	0.9	Y
BG08@10'	10'	04/15/2024	0.7	40.260007	-104.662406	0.9	Y

**TABLE 1**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL SAMPLE LOCATIONS LEFT IN PLACE**  
**CRESTONE PEAK RESOURCES OPERATING, LLC**



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
BG09@7'	7'	04/15/2024	0.0	40.260268	-104.662777	0.9	Y
BG09@9'	9'	04/15/2024	0.4	40.260268	-104.662777	0.9	Y
BG09@10'	10'	04/15/2024	0.0	40.260268	-104.662777	0.9	Y
BG10@7'	7'	04/15/2024	0.6	40.260147	-104.662443	0.9	Y
BG10@9'	9'	04/15/2024	2.4	40.260147	-104.662443	0.9	Y
BG10@10'	10'	04/15/2024	0.6	40.260147	-104.662443	0.9	Y

**Notes:**

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

**TABLE 2**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA LEFT IN PLACE - 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)
<b>ECMC Organic Compounds in Soils <sup>(1)</sup></b>			<b>0.0026</b>	<b>0.69</b>	<b>0.78</b>	<b>9.9</b>	<b>0.0038</b>	<b>500</b>			<b>0.0081</b>	<b>0.0087</b>
<b>ECMC Organic Compounds in Soils <sup>(2)</sup></b>			<b>1.2</b>	<b>490</b>	<b>5.8</b>	<b>58</b>	<b>2</b>	<b>500</b>			<b>30</b>	<b>27</b>
FL-B06@5'	5'	08/23/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
FL-B07@5'	5'	08/23/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS02	-	08/23/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-N02@7'	7'	09/14/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-W02@7'	7'	09/14/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-W03@7'	7'	09/14/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-B03@10'	10'	10/09/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-B04@10'	10'	10/09/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-N03@7'	7'	10/09/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-S05@9'	9'	11/21/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-S06@9'	9'	11/21/2023	<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

(<) = 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

**TABLE 3**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA LEFT IN PLACE - 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)
<b>ECMC Organic Compounds in Soils <sup>(1)</sup></b>			<b>0.55</b>	<b>5.8</b>	<b>0.011</b>	<b>0.3</b>	<b>2.9</b>	<b>0.24</b>	<b>9</b>	<b>0.96</b>	<b>8.9</b>	<b>0.54</b>	<b>0.98</b>	<b>0.006</b>	<b>0.019</b>	<b>1.3</b>
<b>ECMC Organic Compounds in Soils <sup>(2)</sup></b>			<b>360</b>	<b>1,800</b>	<b>1.1</b>	<b>1.1</b>	<b>11</b>	<b>0.11</b>	<b>110</b>	<b>0.11</b>	<b>240</b>	<b>240</b>	<b>1.1</b>	<b>18</b>	<b>24</b>	<b>180</b>
FL-B06@5'	5'	08/23/2023	<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-B07@5'	5'	08/23/2023	<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-CS02	-	08/23/2023	<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
WH-N02@7'	7'	09/14/2023	<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
WH-W02@7'	7'	09/14/2023	<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
WH-W03@7'	7'	09/14/2023	<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
WH-B03@10'	10'	10/09/2023	<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
WH-B04@10'	10'	10/09/2023	<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
WH-N03@7'	7'	10/09/2023	<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
WH-S05@9'	9'	11/21/2023	<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
WH-S06@9'	9'	11/21/2023	<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

(<) = 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 = Dibenzo(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 4**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA LEFT IN PLACE - 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 <sup>(1)</sup>			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils <sup>(2)</sup>			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
WH-N02@7'	7'	09/14/2023	0.392*	28.2	<0.200	<0.30	0.956	1.84	0.987	<0.260	<0.0200	3.98
WH-W02@7'	7'	09/14/2023	0.357*	25.1	<0.200	<0.30	0.794	2.00	0.925	<0.260	<0.0200	3.10
WH-W03@7'	7'	09/14/2023	0.345*	25.4	<0.200	<0.30	0.783	1.72	0.843	<0.260	<0.0200	2.94
WH-B03@10'	10'	10/09/2023	0.503*	59.7	<0.200	<0.30	1.29	3.67	1.22	<0.260	<0.0200	5.75
WH-B04@10'	10'	10/09/2023	0.519*	48.8	<0.200	<0.30	1.17	3.40	1.13	<0.260	<0.0200	4.91
WH-N03@7'	7'	10/09/2023	0.404*	37.8	<0.200	<0.30	0.903	2.34	0.951	<0.260	<0.0200	3.81
WH-S05@9'	9'	11/21/2023	0.766*	32.6	<0.200	<0.30	0.889	2.50	1.87	<0.260	<0.0200	6.51
WH-S06@9'	9'	11/21/2023	1.00*	61.1	<0.200	<0.30	1.40	4.20	2.54	<0.260	0.0222	9.23
<b>BACKGROUND</b>												
BG01@7'	7'	10/09/2023	0.351	32.7	<0.200	<0.30	0.892	2.05	0.853	<0.260	<0.0200	4.03
BG02@7'	7'	10/09/2023	0.417	28.6	<0.200	<0.30	0.980	2.18	1.02	<0.260	<0.0200	4.32
BG03@7'	7'	10/09/2023	0.403	34.7	<0.200	<0.30	0.886	2.08	0.901	<0.260	<0.0200	3.95
BG04@7'	7'	10/09/2023	0.409	38.8	<0.200	<0.30	0.963	3.98	0.860	<0.260	<0.0200	4.44
BG05@7'	7'	10/09/2023	0.444	47.6	<0.200	<0.30	0.884	3.43	1.01	<0.260	<0.0200	4.46
BG06@7'	7'	04/15/2024	<b>1.64</b>	60.4	<0.200	<0.30	<b>2.43</b>	<b>4.22</b>	<b>3.34</b>	<0.260	<b>0.0239</b>	<b>12.3</b>
BG07@7'	7'	04/15/2024	1.10	38.1	<0.200	<0.30	2.14	2.92	2.32	<0.260	<0.0200	8.52
BG08@7'	7'	04/15/2024	0.873	35.8	<0.200	<0.30	1.86	2.52	1.77	<0.260	<0.0200	8.10
BG09@7'	7'	04/15/2024	0.975	36.1	<0.200	<0.30	1.87	2.63	1.82	<0.260	<0.0200	8.47
BG10@7'	7'	04/15/2024	1.01	41.9	<0.200	<0.30	2.09	3.01	2.13	<0.260	<0.0200	8.69
BG06@9'	9'	04/15/2024	1.16	42.9	<0.200	<0.30	2.27	3.19	2.40	<0.260	<0.0200	9.43
BG07@9'	9'	04/15/2024	1.11	35.6	<0.179	<0.30	2.24	2.93	2.44	<0.232	<0.0179	8.92
BG08@9'	9'	04/15/2024	0.912	32.4	<0.200	<0.30	2.07	2.52	1.94	<0.260	<0.0200	8.15
BG09@9'	9'	04/15/2024	1.03	36.5	<0.200	<0.30	2.16	2.93	1.88	<0.260	<0.0200	8.43

**TABLE 4**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA LEFT IN PLACE - 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)
<b>ECMC Metals in Soils <sup>(1)</sup></b>			<b>0.29</b>	<b>82</b>	<b>0.38</b>	<b>0.00067</b>	<b>46</b>	<b>14</b>	<b>26</b>	<b>0.26</b>	<b>0.8</b>	<b>370</b>
<b>ECMC Metals in Soils <sup>(2)</sup></b>			<b>0.68</b>	<b>15,000</b>	<b>71</b>	<b>0.3</b>	<b>3,100</b>	<b>400</b>	<b>1,500</b>	<b>390</b>	<b>390</b>	<b>23,000</b>
BG10@9'	9'	04/15/2024	0.994	38.2	<0.181	<0.30	2.11	3.13	1.96	<0.236	<0.0181	8.70
BG01@10'	10'	10/09/2023	0.454	47.0	<0.200	<0.30	0.985	3.10	0.999	<0.260	<0.0200	4.43
BG02@10'	10'	10/09/2023	0.447	38.2	<0.200	<0.30	1.06	2.46	0.942	<0.260	<0.0200	4.41
BG03@10'	10'	10/09/2023	0.465	46.0	<0.200	<0.30	1.06	2.80	1.11	<0.260	<0.0200	5.10
BG04@10'	10'	10/9/2023	0.418	47.6	<0.200	<0.30	0.963	2.80	1.06	<0.260	<0.0200	4.57
BG05@10'	10'	10/09/2023	0.537	<b>71.6</b>	<0.200	<0.30	1.08	3.41	1.17	<0.260	<0.0200	4.78
BG06@10'	10'	04/15/2024	1.03	34.2	<0.200	<0.30	2.16	2.96	2.11	<0.260	<0.0200	8.91
BG07@10'	10'	04/15/2024	1.27	39.7	<0.200	<0.30	2.30	3.29	2.42	<0.260	<0.0200	9.52
BG08@10'	10'	04/15/2024	0.818	34.0	<0.200	<0.30	1.93	3.79	1.81	<0.260	<0.0200	8.31
BG09@10'	10'	04/15/2024	1.07	41.1	<0.200	<0.30	2.16	2.77	2.18	<0.260	<0.0200	9.12
BG10@10'	10'	04/15/2024	1.00	39.3	<0.200	<0.30	2.16	3.16	2.12	<0.260	<0.0200	8.96
<b>Highest Background @ 0-10' x1.25 (SP)</b>			<b>2.05</b>	<b>89.5</b>	-	-	<b>3.04</b>	<b>5.28</b>	<b>4.18</b>	-	<b>0.0299</b>	<b>15.4</b>

**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 levels

**TABLE 5  
ARISTOCRAT ANGUS 8-2-4**



**SOIL ANALYTICAL DATA LEFT IN PLACE - SOIL RECLAMATION  
CRESTONE PEAK RESOURCES OPERATING, LLC**

Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<b>ECMC Soil Suitability for Reclamation<sup>(1)</sup></b>			<b>6 - 8.3</b>	<b>&lt; 6</b>	<b>&lt; 4</b>	<b>2</b>
FL-B06@5'	5'	08/23/2023	6.97	0.164	0.119	0.0182
FL-B07@5'	5'	08/23/2023	7.88	0.166	0.179	<0.0100
SP-CS02	-	08/23/2023	7.30	0.609	0.472	<0.0100
WH-N02@7'	7'	09/14/2023	7.97	1.86	0.384	0.184
WH-W02@7'	7'	09/14/2023	6.10	0.392	0.106	0.0369
WH-W03@7'	7'	09/14/2023	6.66	0.215	0.184	0.0568
WH-B03@10'	10'	10/09/2023	8.18	0.803	0.272	<2.00
WH-B04@10'	10'	10/09/2023	8.22	1.04	0.270	<2.00
WH-N03@7'	7'	10/09/2023	7.38	0.0602	0.0709	<2.00
WH-S05@9'	9'	11/21/2023	<b>8.71</b>	0.117	0.0558	<2.00
WH-S06@9'	9'	11/21/2023	8.61*	0.511	0.163	<2.00
<b>BACKGROUND</b>						
BG01@7'	7'	10/09/2023	6.79	0.263	0.157	<2.00
BG02@7'	7'	10/09/2023	7.29	0.125	0.0914	<2.00
BG03@7'	7'	10/09/2023	7.02	0.0627	0.0319	<2.00
BG04@7'	7'	10/09/2023	6.87	0.156	0.0914	<2.00
BG05@7'	7'	10/09/2023	6.74	0.177	0.0886	<2.00
BG06@7'	7'	04/15/2024	7.73	0.0707	0.0776	<2.00
BG07@7'	7'	04/15/2024	8.46	0.132	<b>0.201</b>	<2.00
BG08@7'	7'	04/15/2024	7.24	0.0533	0.146	<2.00
BG09@7'	7'	04/15/2024	7.87	0.0380	0.0158	<2.00
BG10@7'	7'	04/15/2024	8.15	0.0709	0.0293	<2.00
BG06@9'	9'	04/15/2024	7.84	0.0753	0.0535	<2.00
BG07@9'	9'	04/15/2024	8.40	0.270	0.164	<2.00
BG08@9'	9'	04/15/2024	7.18	0.0654	0.175	<2.00
BG09@9'	9'	04/15/2024	7.69	0.0478	0.0266	<2.00
BG10@9'	9'	04/15/2024	7.36	0.133	0.0661	<2.00
BG01@10'	10'	10/09/2023	6.63	0.230	0.177	<2.00
BG02@10'	10'	10/09/2023	8.14	<b>0.310</b>	0.154	<2.00
BG03@10'	10'	10/09/2023	7.14	0.0653	0.0340	<2.00

TABLE 5  
ARISTOCRAT ANGUS 8-2-4



SOIL ANALYTICAL DATA LEFT IN PLACE - SOIL RECLAMATION  
CRESTONE PEAK RESOURCES OPERATING, LLC

Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<b>ECMC Soil Suitability for Reclamation<sup>(1)</sup></b>			<b>6 - 8.3</b>	<b>&lt; 6</b>	<b>&lt; 4</b>	<b>2</b>
BG04@10'	10'	10/09/2023	7.13	0.0588	0.0432	<2.00
BG05@10'	10'	10/09/2023	7.10	0.263	0.0920	<2.00
BG06@10'	10'	04/15/2024	<b>8.65</b>	0.168	0.126	<2.00
BG07@10'	10'	04/15/2024	8.56	0.104	0.191	<2.00
BG08@10'	10'	04/15/2024	7.22	0.0555	0.0196	<2.00
BG09@10'	10'	04/15/2024	7.94	0.0424	0.0201	<2.00
BG10@10'	10'	04/15/2024	7.34	0.126	0.0742	<2.00
<b>Highest Background @ 0-10' (SP)</b>			<b>8.65</b>	<b>0.310</b>	<b>0.201</b>	<b>-</b>

**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

**Highest background concentration**

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

## **TABLES**

**IMPACTED MATERIAL REMOVED**

**TABLE 1**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL SAMPLE LOCATIONS REMOVED**  
**CRESTONE PEAK RESOURCES OPERATING, LLC**



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
WH-B01@7'	7'	07/03/2023	52.2	40.259968	-104.662717	1	Y
WH-N01@6'	6'	07/03/2023	2.6	40.259983	-104.662717	1	N
WH-S01@6'	6'	07/03/2023	11.4	40.259959	-104.662713	1	N
WH-E01@6'	6'	07/03/2023	23.8	40.259974	-104.662705	0.9	Y
WH-W01@6'	6'	07/03/2023	2.2	40.259973	-104.662731	1	N
FL-B01@5'	5'	07/03/2023	91.3	40.259959	-104.662718	1	Y
SP-CS01	-	07/03/2023	28.8	40.259923	-104.662670	-	Y
WH-B02@8'	8'	09/14/2023	0.3	40.259954	-104.662712	0.9	Y
WH-S02@7'	7'	09/14/2023	33.2	40.259924	-104.662724	0.9	Y
WH-E02@7'	7'	09/14/2023	1.0	40.259939	-104.662697	0.9	Y
WH-E03@7'	7'	09/14/2023	0.3	40.259961	-104.662689	0.9	Y
WH-S03@7'	7'	10/09/2023	0.3	40.259919	-104.662706	1.3	Y
WH-S04@7'	7'	10/09/2023	0.0	40.259920	-104.662673	1.2	Y
<b>BACKGROUND</b>							
BG01@7'	7'	10/09/2023	0.0	40.259989	-104.663106	1	Y
BG01@10'	10'	10/09/2023	0.1	40.259989	-104.663106	1	Y
BG02@7'	7'	10/09/2023	0.2	40.259989	-104.663106	1	Y
BG02@10'	10'	10/09/2023	0.2	40.260186	-104.662776	1	Y
BG03@7'	7'	10/09/2023	0.0	40.260013	-104.662460	1.1	Y
BG03@10'	10'	10/09/2023	0.1	40.260013	-104.662460	1.1	Y
BG04@7'	7'	10/09/2023	0.1	40.259860	-104.662421	1.1	Y
BG04@10'	10'	10/09/2023	0.1	40.259860	-104.662421	1.1	Y
BG05@7'	7'	10/09/2023	0.1	40.259661	-104.662698	1.1	Y
BG05@10'	10'	10/09/2023	0.0	40.259661	-104.662698	1.1	Y
BG06@7'	7'	04/15/2024	0.3	40.260263	-104.662919	1.1	Y
BG06@9'	9'	04/15/2024	0.9	40.260263	-104.662919	1.1	Y
BG06@10'	10'	04/15/2024	1.2	40.260263	-104.662919	1.1	Y
BG07@7'	7'	04/15/2024	1.9	40.259505	-104.662397	0.8	Y
BG07@9'	9'	04/15/2024	1.5	40.259505	-104.662397	0.8	Y
BG07@10'	10'	04/15/2024	0.5	40.259505	-104.662397	0.8	Y
BG08@7'	7'	04/15/2024	0.6	40.260007	-104.662406	0.9	Y
BG08@9'	9'	04/15/2024	0.0	40.260007	-104.662406	0.9	Y
BG08@10'	10'	04/15/2024	0.7	40.260007	-104.662406	0.9	Y
BG09@7'	7'	04/15/2024	0.0	40.260268	-104.662777	0.9	Y
BG09@9'	9'	04/15/2024	0.4	40.260268	-104.662777	0.9	Y

**TABLE 1**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL SAMPLE LOCATIONS REMOVED**  
**CRESTONE PEAK RESOURCES OPERATING, LLC**



Soil Sample Location	Depth	Date	PID Reading (ppm)	Latitude	Longitude	GPS PDOP Value	Lab (Y/N)
BG09@10'	10'	04/15/2024	0.0	40.260268	-104.662777	0.9	Y
BG10@7'	7'	04/15/2024	0.6	40.260147	-104.662443	0.9	Y
BG10@9'	9'	04/15/2024	2.4	40.260147	-104.662443	0.9	Y
BG10@10'	10'	04/15/2024	0.6	40.260147	-104.662443	0.9	Y

**Notes:**

PID = Photoionization Detector

ppm = parts per million

GPS = Global Positioning System

PDOP = Position Dilution of Precision

- = Not Applicable

**TABLE 2**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA REMOVED - 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 <sup>(1)</sup>			0.0026	0.69	0.78	9.9	0.0038	500			0.0081	0.0087
ECMC Organic Compounds in Soils <sup>(2)</sup>			1.2	490	5.8	58	2	500			30	27
WH-B01@7'	7'	07/03/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-E01@6'	6'	07/03/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
FL-B01@5'	5'	07/03/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
SP-CS01	-	07/03/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-B02@8'	8'	09/14/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-S02@7'	7'	09/14/2023	<0.0020	<0.0050	0.0080	<0.010	<b>0.0038</b>	1.9	<50	<50	<b>0.096</b>	<b>0.018</b>
WH-E02@7'	7'	09/14/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-E03@7'	7'	09/14/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-S03@7'	7'	10/09/2023	<0.0020	<0.0050	<0.0050	<0.010	<0.0038	<0.50	<50	<50	<0.0050	<0.0050
WH-S04@7'	7'	10/09/2023	<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

(<) = 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

**TABLE 3**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA REMOVED - 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)
<b>ECMC Organic Compounds in Soils <sup>(1)</sup></b>			<b>0.55</b>	<b>5.8</b>	<b>0.011</b>	<b>0.3</b>	<b>2.9</b>	<b>0.24</b>	<b>9</b>	<b>0.96</b>	<b>8.9</b>	<b>0.54</b>	<b>0.98</b>	<b>0.006</b>	<b>0.019</b>	<b>1.3</b>
<b>ECMC Organic Compounds in Soils <sup>(2)</sup></b>			<b>360</b>	<b>1,800</b>	<b>1.1</b>	<b>1.1</b>	<b>11</b>	<b>0.11</b>	<b>110</b>	<b>0.11</b>	<b>240</b>	<b>240</b>	<b>1.1</b>	<b>18</b>	<b>24</b>	<b>180</b>
WH-B01@7'	7'	07/03/2023	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
WH-E01@6'	6'	07/03/2023	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
FL-B01@5'	5'	07/03/2023	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<b>0.0190</b>	0.0146	<0.0050
SP-CS01	-	07/03/2023	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
WH-B02@8'	8'	09/14/2023	<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
WH-S02@7'	7'	09/14/2023	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<0.00500	<b>0.0232</b>	<b>0.0465</b>	<0.00500
WH-E02@7'	7'	09/14/2023	<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
WH-E03@7'	7'	09/14/2023	<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
WH-S03@7'	7'	10/09/2023	<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
WH-S04@7'	7'	10/09/2023	<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

(<) = 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 4**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA REMOVED - 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 <sup>(1)</sup>			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
ECMC Metals in Soils <sup>(2)</sup>			0.68	15,000	71	0.3	3,100	400	1,500	390	390	23,000
FL-B01@5'	5'	07/03/2023	1.65*	388	0.488	<0.30	8.93	4.87	4.10	<0.299	0.0248	17.4
WH-B02@8'	8'	09/14/2023	0.561*	53.7	<0.200	<0.30	1.45	2.72	1.34	<0.260	<0.0200	5.18
WH-S02@7'	7'	09/14/2023	0.500*	39.2	<0.200	<0.30	1.27	3.97	1.26	<0.260	<0.0200	4.89
WH-E02@7'	7'	09/14/2023	0.347*	29.0	<0.200	<0.30	0.876	1.80	1.01	<0.260	<0.0200	3.46
WH-E03@7'	7'	09/14/2023	0.356*	30.4	<0.200	<0.30	1.16	2.20	0.889	<0.260	<0.0200	3.63
WH-S03@7'	7'	10/09/2023	0.719*	54.1	<0.200	<0.30	2.13	4.95	1.21	<0.260	0.0333	5.89
WH-S04@7'	7'	10/09/2023	0.464*	48.3	<0.200	<0.30	0.982	3.53	1.06	<0.260	<0.0200	4.55
<b>BACKGROUND</b>												
BG01@7'	7'	10/09/2023	0.351	32.7	<0.200	<0.30	0.892	2.05	0.853	<0.260	<0.0200	4.03
BG02@7'	7'	10/09/2023	0.417	28.6	<0.200	<0.30	0.980	2.18	1.02	<0.260	<0.0200	4.32
BG03@7'	7'	10/09/2023	0.403	34.7	<0.200	<0.30	0.886	2.08	0.901	<0.260	<0.0200	3.95
BG04@7'	7'	10/09/2023	0.409	38.8	<0.200	<0.30	0.963	3.98	0.860	<0.260	<0.0200	4.44
BG05@7'	7'	10/09/2023	0.444	47.6	<0.200	<0.30	0.884	3.43	1.01	<0.260	<0.0200	4.46
BG06@7'	7'	04/15/2024	1.64	60.4	<0.200	<0.30	2.43	4.22	3.34	<0.260	0.0239	12.3
BG07@7'	7'	04/15/2024	1.10	38.1	<0.200	<0.30	2.14	2.92	2.32	<0.260	<0.0200	8.52
BG08@7'	7'	04/15/2024	0.873	35.8	<0.200	<0.30	1.86	2.52	1.77	<0.260	<0.0200	8.10
BG09@7'	7'	04/15/2024	0.975	36.1	<0.200	<0.30	1.87	2.63	1.82	<0.260	<0.0200	8.47
BG10@7'	7'	04/15/2024	1.01	41.9	<0.200	<0.30	2.09	3.01	2.13	<0.260	<0.0200	8.69
BG06@9'	9'	04/15/2024	1.16	42.9	<0.200	<0.30	2.27	3.19	2.40	<0.260	<0.0200	9.43
BG07@9'	9'	04/15/2024	1.11	35.6	<0.179	<0.30	2.24	2.93	2.44	<0.232	<0.0179	8.92
BG08@9'	9'	04/15/2024	0.912	32.4	<0.200	<0.30	2.07	2.52	1.94	<0.260	<0.0200	8.15
BG09@9'	9'	04/15/2024	1.03	36.5	<0.200	<0.30	2.16	2.93	1.88	<0.260	<0.0200	8.43
BG10@9'	9'	04/15/2024	0.994	38.2	<0.181	<0.30	2.11	3.13	1.96	<0.236	<0.0181	8.70

**TABLE 4**  
**ARISTOCRAT ANGUS 8-2-4**  
**SOIL ANALYTICAL DATA REMOVED - 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)
<b>ECMC Metals in Soils<sup>(1)</sup></b>			<b>0.29</b>	<b>82</b>	<b>0.38</b>	<b>0.00067</b>	<b>46</b>	<b>14</b>	<b>26</b>	<b>0.26</b>	<b>0.8</b>	<b>370</b>
<b>ECMC Metals in Soils<sup>(2)</sup></b>			<b>0.68</b>	<b>15,000</b>	<b>71</b>	<b>0.3</b>	<b>3,100</b>	<b>400</b>	<b>1,500</b>	<b>390</b>	<b>390</b>	<b>23,000</b>
BG01@10'	10'	10/09/2023	0.454	47.0	<0.200	<0.30	0.985	3.10	0.999	<0.260	<0.0200	4.43
BG02@10'	10'	10/09/2023	0.447	38.2	<0.200	<0.30	1.06	2.46	0.942	<0.260	<0.0200	4.41
BG03@10'	10'	10/09/2023	0.465	46.0	<0.200	<0.30	1.06	2.80	1.11	<0.260	<0.0200	5.10
BG04@10'	10'	10/9/2023	0.418	47.6	<0.200	<0.30	0.963	2.80	1.06	<0.260	<0.0200	4.57
BG05@10'	10'	10/09/2023	0.537	<b>71.6</b>	<0.200	<0.30	1.08	3.41	1.17	<0.260	<0.0200	4.78
BG06@10'	10'	04/15/2024	1.03	34.2	<0.200	<0.30	2.16	2.96	2.11	<0.260	<0.0200	8.91
BG07@10'	10'	04/15/2024	1.27	39.7	<0.200	<0.30	2.30	3.29	2.42	<0.260	<0.0200	9.52
BG08@10'	10'	04/15/2024	0.818	34.0	<0.200	<0.30	1.93	3.79	1.81	<0.260	<0.0200	8.31
BG09@10'	10'	04/15/2024	1.07	41.1	<0.200	<0.30	2.16	2.77	2.18	<0.260	<0.0200	9.12
BG10@10'	10'	04/15/2024	1.00	39.3	<0.200	<0.30	2.16	3.16	2.12	<0.260	<0.0200	8.96
<b>Highest Background @ 0-10' x1.25 (SP)</b>			<b>2.05</b>	<b>89.5</b>	-	-	<b>3.04</b>	<b>5.28</b>	<b>4.18</b>	-	<b>0.0299</b>	<b>15.4</b>

**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 levels

**TABLE 5  
ARISTOCRAT ANGUS 8-2-4**



**SOIL ANALYTICAL DATA REMOVED - SOIL RECLAMATION  
CRESTONE PEAK RESOURCES OPERATING, LLC**

Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<b>ECMC Soil Suitability for Reclamation<sup>(1)</sup></b>			<b>6 - 8.3</b>	<b>&lt; 6</b>	<b>&lt; 4</b>	<b>2</b>
WH-B01@7'	7'	07/03/2023	8.03	0.558	0.250	0.0646
WH-E01@6'	6'	07/03/2023	7.29	0.773	0.147	0.0450
FL-B01@5'	5'	07/03/2023	7.33	1.46	0.429	0.148
SP-CS01	-	07/03/2023	8.33*	1.33	0.388	0.112
WH-B02@8'	8'	09/14/2023	8.01	0.925	0.460	0.225
WH-S02@7'	7'	09/14/2023	7.62	0.415	0.401	0.196
WH-E02@7'	7'	09/14/2023	6.89	0.213	0.184	0.148
WH-E03@7'	7'	09/14/2023	6.87	0.296	0.140	0.0447
WH-S03@7'	7'	10/09/2023	8.34*	0.342	0.332	<2.00
WH-S04@7'	7'	10/09/2023	7.86	0.292	0.148	<2.00
<b>BACKGROUND</b>						
BG01@7'	7'	10/09/2023	6.79	0.263	0.157	<2.00
BG02@7'	7'	10/09/2023	7.29	0.125	0.0914	<2.00
BG03@7'	7'	10/09/2023	7.02	0.0627	0.0319	<2.00
BG04@7'	7'	10/09/2023	6.87	0.156	0.0914	<2.00
BG05@7'	7'	10/09/2023	6.74	0.177	0.0886	<2.00
BG06@7'	7'	04/15/2024	7.73	0.0707	0.0776	<2.00
BG07@7'	7'	04/15/2024	8.46	0.132	<b>0.201</b>	<2.00
BG08@7'	7'	04/15/2024	7.24	0.0533	0.146	<2.00
BG09@7'	7'	04/15/2024	7.87	0.0380	0.0158	<2.00
BG10@7'	7'	04/15/2024	8.15	0.0709	0.0293	<2.00
BG06@9'	9'	04/15/2024	7.84	0.0753	0.0535	<2.00
BG07@9'	9'	04/15/2024	8.40	0.270	0.164	<2.00
BG08@9'	9'	04/15/2024	7.18	0.0654	0.175	<2.00
BG09@9'	9'	04/15/2024	7.69	0.0478	0.0266	<2.00
BG10@9'	9'	04/15/2024	7.36	0.133	0.0661	<2.00
BG01@10'	10'	10/09/2023	6.63	0.230	0.177	<2.00
BG02@10'	10'	10/09/2023	8.14	<b>0.310</b>	0.154	<2.00
BG03@10'	10'	10/09/2023	7.14	0.0653	0.0340	<2.00
BG04@10'	10'	10/09/2023	7.13	0.0588	0.0432	<2.00

**TABLE 5**  
**ARISTOCRAT ANGUS 8-2-4**



**SOIL ANALYTICAL DATA LEFT IN PLACE - SOIL RECLAMATION**  
**CRESTONE PEAK RESOURCES OPERATING, LLC**

Soil Sample Location	Depth	Date	pH	SAR	EC (mmhos/cm)	Boron (mg/L)
<b>ECMC Soil Suitability for Reclamation<sup>(1)</sup></b>			<b>6 - 8.3</b>	<b>&lt; 6</b>	<b>&lt; 4</b>	<b>2</b>
BG05@10'	10'	10/09/2023	7.10	0.263	0.0920	<2.00
BG06@10'	10'	04/15/2024	<b>8.65</b>	0.168	0.126	<2.00
BG07@10'	10'	04/15/2024	8.56	0.104	0.191	<2.00
BG08@10'	10'	04/15/2024	7.22	0.0555	0.0196	<2.00
BG09@10'	10'	04/15/2024	7.94	0.0424	0.0201	<2.00
BG10@10'	10'	04/15/2024	7.34	0.126	0.0742	<2.00
<b>Highest Background @ 0-10' (SP)</b>			<b>8.65</b>	<b>0.310</b>	<b>0.201</b>	<b>-</b>

**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

**Highest background concentration**

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

**ATTACHMENT A**  
**EXCAVATION FIELD NOTES AND PHOTO LOG**

<b>SITE NAME:</b> Aristocrat Angus 8-2-4 WH							<b>DATE:</b> 7/3/2023	<b>REM. PROJECT #:</b> 28492	<b>WEATHER:</b> 90F		
<b>SITE DIRECTIONS:</b> CR 38 & CR 43, W 1250ft, S On access rd 500ft, E 400 ft INTO							<b>CLIENT:</b> Crestone Peak Operating Resources, LLC				
<b>LEGALS AND LAT/LONG:</b> 40.259672, -104.663706							<b>TASMAN PERSONNEL:</b> Daniel Hensel				
<b>SOIL TYPES:</b> Poorly Graded Sand - SP							<b>SURFACE GRADIENT:</b> North				
<b>SURROUNDING LAND USE:</b> Cropland							<b>CROP:</b>				
<b>SOIL SAMPLING</b>							<b>FACILITY INFRASTRUCTURE</b>				
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity		
							Above Ground Storage Tank (AST)				
7/3/2023 12:29	WH-B01@7'	52.2	HC Staining	Slight HC Odor	Yes	Lab	Buried or Partially Buried Vessel				
7/3/2023 12:35	WH-N01@6'	2.6	No Staining	No Odor	Yes	N/A	Separator				
7/3/2023 12:46	WH-S01@6'	11.4	No Staining	No Odor	Yes	N/A	Emission Control Device (ECD)				
7/3/2023 12:52	WH-E01@6'	23.8	No Staining	Slight HC Odor	Yes	Lab	Dump Line				
7/3/2023 13:03	WH-W01@6'	2.2	No Staining	No Odor	Yes	N/A	Wellhead		1		
7/3/2023 13:17	FL-B01@5'	91.3	HC Staining	Slight HC Odor	Yes	Lab	Flowline		1		
7/3/2023 13:28	SP-CS01	28.8	No Staining	Slight HC Odor	No	Lab	Method of Closure		Removed		
8/23/2023 14:25	FL-B02@5'	1.6	No Staining	No Odor	Yes	N/A	Footage Removed		310		
8/23/2023 14:35	FL-B03@4'	0.4	No Staining	No Odor	Yes	N/A	Footaged Abandoned in Place				
8/23/2023 14:36	FL-B04@5'	0.2	No Staining	No Odor	Yes	N/A	Other:				
8/23/2023 14:41	FL-B05@5'	0.6	No Staining	No Odor	Yes	N/A	<b>Soil Loads Removed</b>				
8/23/2023 14:53	FL-B06@5'	0.4	No Staining	No Odor	Yes	Lab	<b>IMPACTED SOIL IDENTIFIED?</b> Yes				
8/23/2023 15:11	FL-B07@5'	0.8	No Staining	No Odor	Yes	Lab	<b>ESTIMATED VOLUME OF IMPACTS:</b> See Below				
8/23/2023 15:25	SP-CS02	0.8	No Staining	No Odor	No	Lab	<b>Date</b>		<b>Number</b>	<b>CY</b>	
9/14/2023 14:36	WH-B02@8'	0.3	No Staining	No Odor	Yes	Lab	September 2023 - November 2023		1	175	
9/14/2023 14:44	WH-N02@7'	0.2	No Staining	No Odor	Yes	Lab					
9/14/2023 14:52	WH-S02@7'	33.2	HC Staining	Slight HC Odor	Yes	Lab					
9/14/2023 14:55	WH-E02@7'	1.0	No Staining	No Odor	Yes	Lab					
9/14/2023 15:01	WH-E03@7'	0.3	No Staining	No Odor	Yes	Lab	<b>Total Removed</b>		1	175	
9/14/2023 15:04	WH-W02@7'	0.0	No Staining	No Odor	Yes	Lab	<b>Disposal Facility:</b> Buffalo Ridge Landfill				
9/14/2023 15:08	WH-W03@7'	0.1	No Staining	No Odor	Yes	Lab	<b>Groundwater Recovery</b>				
10/9/2023 10:50	BG01@7'	0	No Staining	No Odor	Yes	Lab	<b>DATE GW ENCOUNTERED:</b> N/A			<b>DEPTH:</b>	
10/9/2023 11:00	BG01@10'	0.1	No Staining	No Odor	Yes	Lab	<b>GROUNDWATER IN CONTACT WITH IMPACTED SOIL?</b>				
10/9/2023 11:10	BG02@7'	0.2	No Staining	No Odor	Yes	Lab					
10/9/2023 11:15	BG02@10'	0.2	No Staining	No Odor	Yes	Lab	<b>LNAPL OR SHEEN OBSERVED ON GW?</b>				
<b>GROUNDWATER SAMPLING</b>							<b>Date</b>		<b>BBLs</b>		
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?					
							<b>Total Removed</b>		0		
							<b>Disposal Facility:</b>				

<b>SITE NAME:</b> Aristocrat Angus 8-2-4 WH							<b>DATE:</b> 10/9/2023	<b>REM. PROJECT #:</b> 28492	<b>WEATHER:</b> 60F		
<b>SITE DIRECTIONS:</b> CR 38 & CR 43, W 1250ft, S On access rd 500ft, E 400 ft INTO							<b>CLIENT:</b> Crestone Peak Operating Resources, LLC				
<b>LEGALS AND LAT/LONG:</b> 40.259672, -104.663706							<b>TASMAN PERSONNEL:</b> Daniel Hensel				
<b>SOIL TYPES:</b> Poorly Graded Sand - SP							<b>SURFACE GRADIENT:</b> North				
<b>SURROUNDING LAND USE:</b> Cropland							<b>CROP:</b>				
<b>SOIL SAMPLING</b>							<b>FACILITY INFRASTRUCTURE</b>				
Date/Time	Soil Sample ID	PID (ppm)	Visual	Olfactory	Photo?	Grab or Lab Sample?	EQUIPMENT		Quantity		
							Above Ground Storage Tank (AST)				
10/9/2023 12:00	BG03@7'	0	No Staining	No Odor	Yes	Lab	Buried or Partially Buried Vessel				
10/9/2023 12:10	BG03@10'	0.1	No Staining	No Odor	Yes	Lab	Separator				
10/9/2023 12:20	BG04@7'	0.1	No Staining	No Odor	Yes	Lab	Emission Control Device (ECD)				
10/9/2023 12:30	BG04@10'	0.1	No Staining	No Odor	Yes	Lab	Dump Line				
10/9/2023 12:40	BG05@7'	0.1	No Staining	No Odor	Yes	Lab	Wellhead		1		
10/9/2023 12:50	BG05@10'	0	No Staining	No Odor	Yes	Lab	Flowline		1		
10/9/2023 10:00	WH-S03@7'	0.3	No Staining	No Odor	Yes	Lab	Method of Closure		Removed		
10/9/2023 10:05	WH-S04@7'	0.0	No Staining	No Odor	Yes	Lab	Footage Removed		310		
10/9/2023 10:10	WH-N03@7'	0.1	No Staining	No Odor	Yes	Lab	Footaged Abandoned in Place				
10/9/2023 10:15	WH-B03@10'	0.0	No Staining	No Odor	Yes	Lab	Other:				
10/9/2023 10:20	WH-B04@10'	0.0	No Staining	No Odor	Yes	Lab	<b>Soil Loads Removed</b>				
11/21/2023 11:40	WH-S05@9'	0.1	No Staining	No Odor	Yes	Lab	<b>IMPACTED SOIL IDENTIFIED?</b> Yes				
11/21/2023 11:45	WH-S06@9'	0.1	No Staining	No Odor	Yes	Lab	<b>ESTIMATED VOLUME OF IMPACTS:</b> See Below				
4/15/2024 09:50	BG06@7'	0.4	No Staining	No Odor	Yes	Lab	<b>Date</b>		<b>Number</b>	<b>CY</b>	
4/15/2024 09:55	BG06@9'	0.5	No Staining	No Odor	Yes	Lab	September 2023 - November 2023		1	175	
4/15/2024 10:00	BG06@10'	0.4	No Staining	No Odor	Yes	Lab					
4/15/2024 10:05	BG07@7'	0.3	No Staining	No Odor	Yes	Lab					
4/15/2024 10:10	BG07@9'	0.1	No Staining	No Odor	Yes	Lab					
4/15/2024 10:15	BG07@10'	1.1	No Staining	No Odor	Yes	Lab	<b>Total Removed</b>		1	175	
4/15/2024 10:20	BG08@7'	3.7	No Staining	No Odor	Yes	Lab	<b>Disposal Facility:</b> Buffalo Ridge Landfill				
4/15/2024 10:25	BG08@9'	1.1	No Staining	No Odor	Yes	Lab	<b>Groundwater Recovery</b>				
4/15/2024 10:30	BG08@10'	3.7	No Staining	No Odor	Yes	Lab	<b>DATE GW ENCOUNTERED:</b> N/A			<b>DEPTH:</b>	
4/15/2024 10:35	BG09@7'	3.4	No Staining	No Odor	Yes	Lab	<b>GROUNDWATER IN CONTACT WITH IMPACTED SOIL?</b>				
4/15/2024 10:40	BG09@9'	2.5	No Staining	No Odor	Yes	Lab					
4/15/2024 10:45	BG09@10'	3.2	No Staining	No Odor	Yes	Lab	<b>LNAPL OR SHEEN OBSERVED ON GW?</b>				
<b>GROUNDWATER SAMPLING</b>							<b>Date</b>		<b>BBLs</b>		
Date/Time	Groundwater Sample ID	Depth Collected	Turbid?	Sheen?	Odor?	Photo?					
							<b>Total Removed</b>		0		
							<b>Disposal Facility:</b>				





Photographic Log

☀ 359°N (T) ● 40°15'36"N, 104°39'45"W ±16ft ▲ 4819ft			☀ 157°SE (T) ● 40°15'36"N, 104°39'45"W ±29ft ▲ 4820ft		
<b>Equipment ID:</b>		<b>Equipment Type:</b>	<b>Equipment ID:</b>		<b>Equipment Type:</b>
<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>	<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>
<b>Notes/Conditions:</b> Surrounding land use facing North			<b>Notes/Conditions:</b> Surrounding land use facing South		



Photographic Log

<p>☀ 75°E (T) ● 40°15'36"N, 104°39'45"W ±13ft ▲ 4820ft</p>			<p>☀ 274°W (T) ● 40°15'36"N, 104°39'45"W ±22ft ▲ 4819ft</p>		
<p>03 Jul 2023, 13:15:07</p>			<p>03 Jul 2023, 13:14:56</p>		
<b>Equipment ID:</b>		<b>Equipment Type:</b>	<b>Equipment ID:</b>		<b>Equipment Type:</b>
<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>	<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>
<b>Notes/Conditions:</b> Surrounding land use facing East			<b>Notes/Conditions:</b> Surrounding land use facing West		



Photographic Log

<table border="1"> <tr> <td colspan="2">Equipment ID:</td> <td colspan="2">Equipment Type:</td> </tr> <tr> <td>Material:</td> <td>Volume:</td> <td colspan="2">Contents:</td> </tr> <tr> <td colspan="4">Notes/Conditions: Surface gradient (North)</td> </tr> </table>	Equipment ID:		Equipment Type:		Material:	Volume:	Contents:		Notes/Conditions: Surface gradient (North)				<table border="1"> <tr> <td colspan="2">Equipment ID:</td> <td colspan="2">Equipment Type:</td> </tr> <tr> <td>Material:</td> <td>Volume:</td> <td colspan="2">Contents:</td> </tr> <tr> <td colspan="4">Notes/Conditions: Soil screening and sampling locations facing NE</td> </tr> </table>	Equipment ID:		Equipment Type:		Material:	Volume:	Contents:		Notes/Conditions: Soil screening and sampling locations facing NE			
Equipment ID:		Equipment Type:																							
Material:	Volume:	Contents:																							
Notes/Conditions: Surface gradient (North)																									
Equipment ID:		Equipment Type:																							
Material:	Volume:	Contents:																							
Notes/Conditions: Soil screening and sampling locations facing NE																									



Photographic Log

<p>☀ 170°S (T) ● 40°15'36"N, 104°39'45"W ±9ft ▲ 4820ft</p>	<p>☀ 298°NW (T) ● 40°15'35"N, 104°39'45"W ±59ft ▲ 4818ft</p>				
<p>FL-B01@5'</p> <p>WH-S01@6'</p> <p>03 Jul 2023, 13:16:12</p>	<p>FL-B02@5'</p> <p>X</p> <p>23 Aug 2023, 14:59:04</p>				
<p><b>Equipment ID:</b></p>	<p><b>Equipment Type:</b></p>	<p><b>Equipment ID:</b></p>	<p><b>Equipment Type:</b></p>		
<p><b>Material:</b></p>	<p><b>Volume:</b></p>	<p><b>Contents:</b></p>	<p><b>Material:</b></p>	<p><b>Volume:</b></p>	<p><b>Contents:</b></p>
<p><b>Notes/Conditions:</b> Soil screening and sampling locations facing S</p>			<p><b>Notes/Conditions:</b> Soil sampling location</p>		



Photographic Log

<p>☀ 242°SW (T) ● 40°15'35"N, 104°39'46"W ±16ft ▲ 4806ft</p>	<p>☀ 24°NE (T) ● 40°15'35"N, 104°39'47"W ±16ft ▲ 4811ft</p>				
<p>FL-B03@3' X</p> <p>23 Aug 2023, 15:03:10</p>	<p>FL-B04@5' X</p> <p>23 Aug 2023, 15:43:11</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 sampling location</p>		



Photographic Log

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



Photographic Log

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



Photographic 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 locations</p>			<p>Notes/Conditions: Soil sampling location</p>		



Photographic Log

171°S (T) ● 40°15'36"N, 104°39'46"W ±13ft ▲ 4818ft			196°S (T) ● 40°15'36"N, 104°39'44"W ±16ft ▲ 4819ft		
09 Oct 2023 13:24:46			09 Oct 2023 13:25:18		
<b>Equipment ID:</b>		<b>Equipment Type:</b>	<b>Equipment ID:</b>		<b>Equipment Type:</b>
<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>	<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>
<b>Notes/Conditions:</b> Soil sampling location			<b>Notes/Conditions:</b> Soil sampling location		



Photographic Log

☉ 142°SE (T) ● 40°15'35"N, 104°39'44"W ±16ft ▲ 4819ft			☉ 218°SW (T) ● 40°15'34"N, 104°39'45"W ±16ft ▲ 4820ft				
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> <span style="color: yellow;">WH-S03@7'</span>  <span style="color: yellow;">WH-S04@7'</span> </p> <p> <span style="color: yellow;">WH-B04@13'</span> </p> <p>09 Oct 2023, 13:26:49</p>			<p> <span style="color: yellow;">WH-N03@7'</span>  <span style="color: yellow;">WH-B03@10'</span> </p> <p>09 Oct 2023, 13:26:27</p>		
<p> <span>⊙ 231°SW (T) ● 40°15'36"N, 104°39'45"W ±13ft ▲ 4819ft</span> </p>			<p> <span>⊙ 342°N (T) ● 40°15'35"N, 104°39'45"W ±16ft ▲ 4818ft</span> </p>		
<p><b>Equipment ID:</b></p>		<p><b>Equipment Type:</b></p>	<p><b>Equipment ID:</b></p>		<p><b>Equipment Type:</b></p>
<p><b>Material:</b></p>	<p><b>Volume:</b></p>	<p><b>Contents:</b></p>	<p><b>Material:</b></p>	<p><b>Volume:</b></p>	<p><b>Contents:</b></p>
<p><b>Notes/Conditions:</b> Soil sampling location</p>			<p><b>Notes/Conditions:</b> Soil sampling location</p>		



Photographic Log

166°S (T) ● 40°15'35"N, 104°39'45"W ±29ft ▲ 4819ft			240°SW (T) ● 40°15'35"N, 104°39'45"W ±36ft ▲ 4819ft		
09 Oct 2023 13:40:23			09 Oct 2023 13:40:30		
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

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



Photographic Log

<b>Equipment ID:</b>		<b>Equipment Type:</b>		<b>Equipment ID:</b>		<b>Equipment Type:</b>	
<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>		<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>	
<b>Notes/Conditions:</b> Soil sampling location				<b>Notes/Conditions:</b> Soil from BH			



Photographic Log



<b>Equipment ID:</b>		<b>Equipment Type:</b>	
<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>	
<b>Notes/Conditions:</b> Soil from BH			

<b>Equipment ID:</b>		<b>Equipment Type:</b>	
<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>	
<b>Notes/Conditions:</b> Soil screening and sampling locations facing NE			



Photographic Log

<b>Material:</b>		<b>Volume:</b>	<b>Contents:</b>		
<b>Notes/Conditions:</b> Soil screening and sampling locations facing S					



Photographic Log

<p>N 0 30 60 90 120 150 180 S</p> <p>89°E (T) 40°15'36"N, 104°39'46"W ±16ft ▲ 4810ft</p>			<p>N 0 30 60 90 120 150 180 S</p> <p>89°E (T) 40°15'37"N, 104°39'46"W ±16ft ▲ 4810ft</p>		
<p>15 Apr 2024 10:41:04</p>			<p>15 Apr 2024 10:41:57</p>		
<b>Equipment ID:</b>		<b>Equipment Type:</b>	<b>Equipment ID:</b>		<b>Equipment Type:</b>
<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>	<b>Material:</b>	<b>Volume:</b>	<b>Contents:</b>
<b>Notes/Conditions:</b> Background soil sample location.			<b>Notes/Conditions:</b> Background soil sample location.		



Photographic Log

<p>☉ 68°E (T) ● 40°15'36"N, 104°39'44"W ±16ft ▲ 4810ft</p>			<p>☉ 64°NE (T) ● 40°15'36"N, 104°39'44"W ±16ft ▲ 4810ft</p>				
<p style="text-align: center;">BG08@7.9.10 X</p> <p style="text-align: right;">15 Apr 2024 10:42:47</p>			<p style="text-align: center;">BG09@7.9.10 X</p> <p style="text-align: right;">15 Apr 2024 10:43:14</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Background soil sample location.				Notes/Conditions: Background soil sample location.			

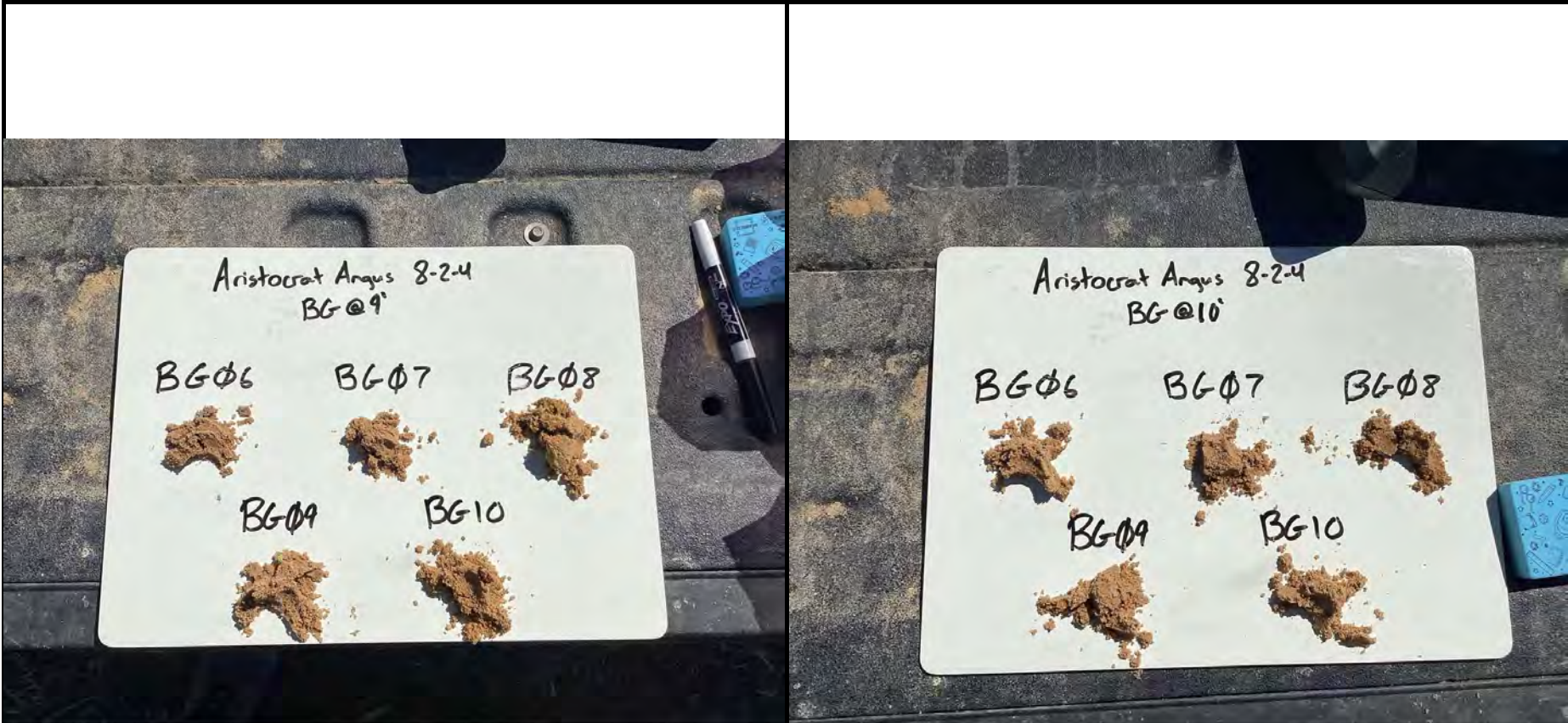


Photographic Log

<p>W 270 NW 300 330 N 0 NE 60          348°N (T) 40°15'34"N, 104°39'44"W ±16ft ▲ 4812ft</p> <p>15 Apr 2024 10:44:11</p>			<p>Aristocrat Angus 8-2-4          BG@7'</p> <p>BG06 BG07 BG08          BG09 BG10</p>				
Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:		Volume:		Material:		Volume:	
Contents:				Contents:			
Notes/Conditions: Background soil sample location.				Notes/Conditions: Background soil sample lithology.			



Photographic Log



Equipment ID:		Equipment Type:		Equipment ID:		Equipment Type:	
Material:	Volume:	Contents:		Material:	Volume:	Contents:	
Notes/Conditions: Background soil sample lithology.				Notes/Conditions: Background soil sample lithology.			