

Kathy Vertiz
Contract EHS Specialist
Caerus Oil & Gas LLC (Operator #: 10456)
kvertiz@caerusoilandgas.com

Quantitative Vegetation Survey Report

COGCC Location Name (ID)	CHEVRON-66S96W /17NESW (324425)
Operator Location Name	Chevron 22D-17
COGCC Operator Name (Operator #)	Caerus Oil and Gas LLC (10456)
Legal Description	NESW Sec. 17 T6S-R96W
Geographic Coordinates (WGS84)	39.52442 / -108.13372

Ms. Vertiz,

Confluence Compliance Companies LLC (Confluence) is presenting this report to Caerus Oil & Gas LLC (Caerus) documenting the results of a quantitative vegetation survey (survey) completed at the above-referenced location. The survey was conducted to evaluate the status of the reclaimed location (reclaim) by comparing reclaim vegetation cover and composition with the designated reference area (reference). The survey is used alongside a site evaluation to determine if the location meets the following regulatory criteria;

1. Vegetative cover requirements for final reclamation in Colorado Oil & Gas Conservation Commission (COGCC) Rule 1004.d ^[1]
2. Final abandonment requirements as set forth in the Department of Interior (DOI) 43 CFR Part 3160 ^[2]
3. Final abandonment requirements as set forth in the Bureau of Land Management (BLM) Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development – The Gold Book ^[3]

Included with this report is a review of the methodologies used to evaluate the reclaimed surface, results of those evaluations, and recommendations for how to proceed with the information presented in this report. Attached is a summary of field data, topographic location map, reclamation survey site diagram, vegetation assessment photo log, relative foliar species abundance table, and vegetation survey results that illustrate survey findings.

Methods

The survey methodology employed by Confluence is the line-point intercept method with plot-level species inventories conducted in accordance with the Monitoring Manual for Grassland, Shrubland and Savanna Ecosystems (Volume 2) ^[4]. Prior to conducting the field evaluation, a desktop review of available records and historical aerial imagery is performed to define and map all portions of the reclaimed surface and identify and map comparable reference areas. Reference area(s) are selected to ensure that comparative assessments are conducted in areas not previously impacted by oil and gas operations or other surface disturbing activities, have similar slope and aspect to the reclaimed surface, and are reflective of pre-disturbance conditions for the referenced location to the extent practicable. When on-site, preliminary reclaim and reference transect locations selected during the desktop review are confirmed based on observed site conditions. Transect locations are selected to best represent the

vegetative cover and species composition of the respective areas, and to limit subjectivity of field personnel.

Vegetation cover data is collected at 50 survey points along each transect. Foliar and basal cover, along with non-vegetated and noxious weed occurrences, are documented at each survey point. Typically, two transects are completed in the reclaim and reference areas, for a total of 100 survey points in both areas. Survey point data is documented in the Vegetation Survey – Field Data Tables. Photographs are collected throughout the survey to document site conditions and depict transects. These photos are included in the Vegetation Assessment Photo Log. The Reclamation Survey Site Diagram illustrates transect locations as well as photo collection points.

Noxious weeds listed by the Colorado Department of Agriculture are excluded from the percent of reference vegetative coverage calculations, per COGCC Rule 1004.d. To ensure reclamation vegetative composition meets stakeholder standards, undesirable cover is also quantified in the attached summary of field data. Undesirable cover includes species identified by the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) as introduced and not native to the lower 48 states, and not considered beneficial for reclamation purposes. All other vegetation not classified as noxious or undesirable, is identified by growth habit (grass, forb, shrub) and is considered desirable vegetative cover.

Results

The survey was conducted on July 21, 2022, with the following findings:

Reclaim Vegetation Cover Type	Cover (%)	Reference Vegetation Cover Type	Cover (%)
Desirable Foliar Cover	55.0	Desirable Foliar Cover	36.0
Undesirable Foliar Cover	0.0	Undesirable Foliar Cover	4.0
Noxious Weed Foliar Cover	4.0	Noxious Weed Cover	26.0
Desirable vegetation comparison (reclaim/reference)			153%

Please see the attachments for detailed survey results, including a summary of field data, relative foliar species abundance tables, and field data tables.

Analysis and Recommendations

No reclamation maintenance is recommended for this location as vegetation establishment is uniform with species composition consistent with the plant community of the area. Undesirable and noxious weed species identified in the reclaimed surface are common to the area, underrepresented when compared to reference areas, and no list A or B noxious weeds were identified. Based on the results of the survey, final reclamation is found to be successful and uniform vegetation cover has been established that approximates pre-disturbance conditions with a total plant cover of at least 80% of the reference area. Submittal of a Form 4 (Final Reclamation Completion Notice) is recommended to document successful completion of final reclamation and notify regulators that the site is ready for a final reclamation inspection.



Respectfully,

Chris Jones
Chris Jones

Attachments

- ## References

1. Department of Natural Resources, Colorado Oil and Gas Conservation Commission. "Rules and Regulations", April 30, 2022, [Complete Rules \(100 - 1200 Series\) \(state.co.us\)](#).
2. Department of the Interior, Bureau of Land Management. "43 CFR Subpart 3160 - Onshore Oil and Gas Operations: General", 1983, [eCFR :: 43 CFR Part 3160 -- Onshore Oil and Gas Operations](#).
3. Department of the Interior, Bureau of Land Management. "Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development – The Gold Book", 2007, [The Gold Book | Bureau of Land Management \(blm.gov\)](#).
4. Herrcik, Jeffrey E, et al. "Monitoring Manual for Grassland, Shrubland and Savanna Ecosystems." Monitoring Manual, 2nd Edition, USDA - ARS Jornada Experimental Range, 2009, <https://aim.landscapetoolbox.org/wp-content/uploads/2015/08/Monitoring-Manual-Volume-II.pdf>.

Quantitative Vegetation Survey - Summary of Field Data

Client	Caerus Oil and Gas (10456)
Operator Location Name	Chevron 22D-17
Reclamation Phase	Final Reclamation
API	05-045-14738
Latitude/Longitude	39.52442/-108.13372
Assessment Date	7/21/2022
Inspector Name	Alex Slorby

Based on the survey methodology, the desirable foliar cover (%) in each survey area is calculated by summing the total number of foliar occurrences (#), excluding noxious weeds and undesirable species, and dividing by the total possible foliar occurrences in the transects (100). For this location:

Reclaim Area Vegetation

Desirable Foliar Cover = 55%

$$(44 + 0 + 11) / 100 = 0.55$$

Reference Area Vegetation

Desirable Foliar Cover = 36%

$$(7 + 1 + 28) / 100 = 0.36$$

For the purposes of this assessment, the undesirable foliar cover (%) in each survey is calculated by summing the total number of undesirable* foliar occurrences (#), excluding noxious weeds, and dividing by the total possible foliar occurrences in the transects (100). For this location:

Undesirable Foliar Cover = 0%

$$0 / 100 = 0$$

Undesirable Foliar Cover = 4%

$$4 / 100 = 0.04$$

The percent of reference used to evaluate the reclamation area for compliance with COGCC Rule 1003.e(2) is calculated by dividing the foliar cover (%) in the reclaim area by the foliar cover (%) in the reference area. For this location:

Percent of Reference = 153%

$$55\% / 36\% = 153\%$$

Reclaim Area Vegetation

Cover Type	#	Overall Cover
Desirable Foliar Cover	55	27.5%
Grass	44	22.0%
Forb	0	0.0%
Shrub	11	5.5%
Desirable Basal Cover	21	10.5%
Grass	19	9.5%
Forb	0	0.0%
Shrub	2	1.0%
Undesirable Cover	0	0.0%
Foliar	0	0.0%
Basal	0	0.0%
Unvegetated	118	59.0%
Bare Ground	61	30.5%
Litter	37	18.5%
Rock	20	10.0%
Noxious Weeds Cover	6	3.0%
Foliar	4	2.0%
Basal	2	1.0%
Quality Assurance Total	200	100%

Reference Area Vegetation

Cover Type	#	Overall Cover
Desirable Foliar Cover	36	18.0%
Grass	7	3.5%
Forb	1	0.5%
Shrub	28	14.0%
Desirable Basal Cover	11	5.5%
Grass	4	2.0%
Forb	0	0.0%
Shrub	7	3.5%
Undesirable Cover	6	3.0%
Foliar	4	2.0%
Basal	2	1.0%
Unvegetated	98	49.0%
Bare Ground	18	9.0%
Litter	55	27.5%
Rock	25	12.5%
Noxious Weeds Cover	49	24.5%
Foliar	26	13.0%
Basal	23	11.5%
Quality Assurance Total	200	100%

* Identified as introduced and non-native to the lower 48 states by the USDA NRCS not considered beneficial for reclamation purposes.

Topographic Location Map

Caerus Oil and Gas LLC

Chevron 22D-17

(CHEVRON-66S96W/17NESW)

COGCC Location ID: 324425

API: 05-045-14738

Garfield County

NESW Sec. 17 T6S-R96W



Topographic map sourced from 2020 Earth Point using
data provided by United States Geological Survey

Map created by Alex Slorby on 08/10/2022.

Chevron 22D-17

Reclamation Survey Site Diagram

Caerus Oil and Gas LLC

Chevron 22D-17

(CHEVRON-66S96W /17NESW)

COGCC Location ID: 324425






API: 05-045-14738

Garfield County

NESW Sec. 17 T6S-R96W



Legend

-  Disturbance Area Boundary
-  Reclaimed Surface
-  Reclaim Transect
-  Reference Transect
-  Photo Point

Map created by Alex Slorby on 08/10/2022.

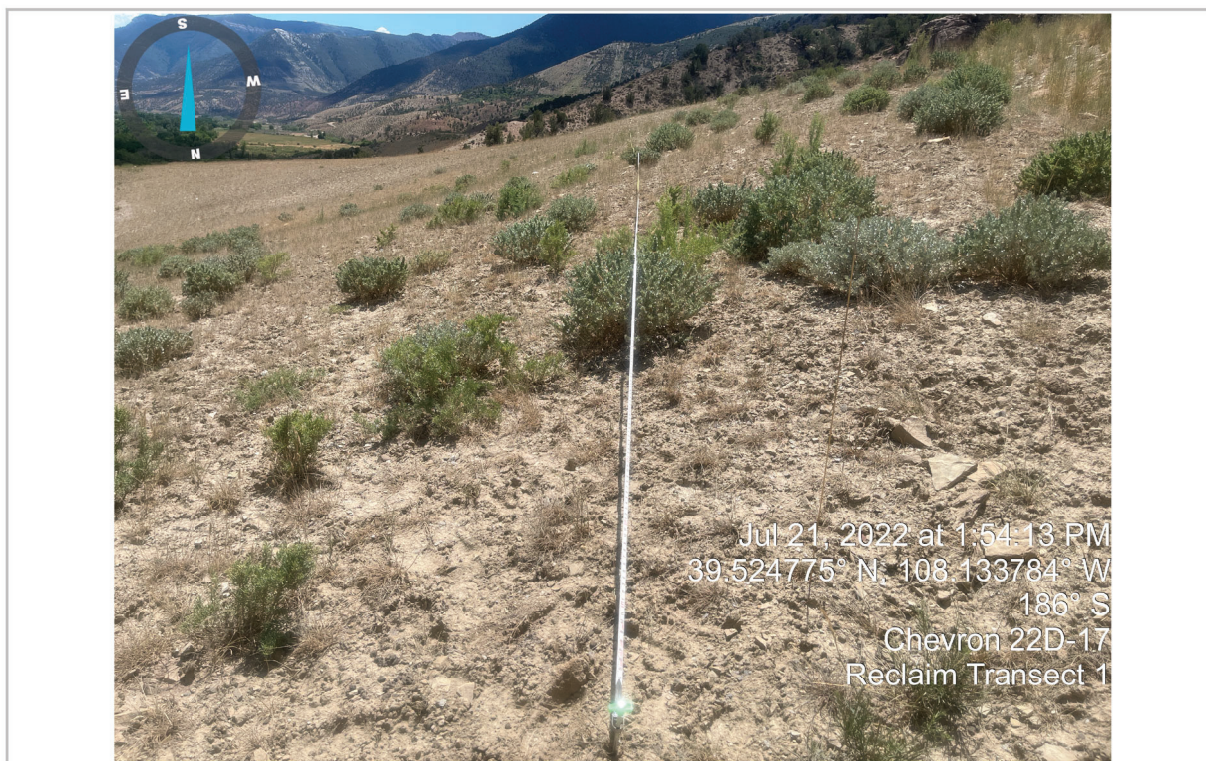


Photo Point A - Reclaim Transect 1



Photo Point B - Reclaim Transect 2



Photo Point C - Reference Transect 1



Photo Point D - Reference Transect 2

Client Caerus Oil and Gas (10456)
Operator Location Chevron 22D-17
Assessment Date 7/21/2022
Inspector Name Alex Slorby

Transect Detail - Reclamation Area Species Abundance Table

Plant species indicated by red text include all State-listed noxious weeds and undesirable species identified as introduced and non-native to the lower 48 states by the USDA NRCS not considered beneficial for reclamation purposes.

Observation Summary				
Life Cycle	Foliar Occurrence	Foliar Cover	Basal Occurrence	Basal Cover
Annual	4	4%	2	2%
Perennial	55	55%	21	21%
Unvegetated	41	41%	77	77%
Grand Total	100	100%	100	100%

Life Cycle	Species Code	Scientific Name	Common Name	Cover Type	Foliar Occurrence	Foliar Cover	Basal Occurrence	Basal Cover
Annual	BRTE	<i>Bromus tectorum</i>	Downy brome	Noxious List C	4	4%	2	2%
Perennial	AGCR	<i>Agropyron cristatum</i>	Crested wheatgrass	Grass	26	26%	10	10%
Perennial	ATCA2	<i>Atriplex canescens</i>	Fourwing saltbush	Shrub	3	3%	1	1%
Perennial	ATCO	<i>Atriplex confertifolia</i>	Shadscale saltbush	Shrub	3	3%	0	0%
Perennial	ERNA10	<i>Ericameria nauseosa</i>	Rubber Rabbitbrush	Shrub	4	4%	1	1%
Perennial	PASM	<i>Pascopyrum smithii</i>	Western Wheatgrass	Grass	18	18%	9	9%
Perennial	SAVE4	<i>Sarcobatus vermiculatus</i>	Greasewood	Shrub	1	1%	0	0%
Unvegetated	NA	NA	Bare Ground	Unvegetated	24	24%	37	37%
Unvegetated	NA	NA	Litter	Unvegetated	9	9%	28	28%
Unvegetated	NA	NA	Rock	Unvegetated	8	8%	12	12%
Unvegetated	NA	NA	Other	Unvegetated	0	0%	0	0%

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Transect Detail - Reference Area Species Abundance Table

Plant species indicated by red text include all State-listed noxious weeds and undesirable species identified as introduced and non-native to the lower 48 states by the USDA NRCS not considered beneficial for reclamation purposes.

Observation Summary				
Life Cycle	Foliar Occurrence	Foliar Cover	Basal Occurrence	Basal Cover
Annual	31	31%	25	25%
Perennial	35	35%	11	11%
Unvegetated	34	34%	64	64%
Grand Total	100	100%	100	100%

Life Cycle	Species Code	Scientific Name	Common Name	Cover Type	Foliar Occurrence	Foliar Cover	Basal Occurrence	Basal Cover
Annual	ALS18	<i>Alyssum simplex</i>	Alyssum	Undesirable	2	2%	2	2%
Annual	BRTE	<i>Bromus tectorum</i>	Downy brome	Noxious List C	26	26%	23	23%
Annual	DEPI	<i>Descurainia pinnata</i>	Western tansymustard	Forb	1	1%	0	0%
Annual	LEPE2	<i>Lepidium perfoliatum</i>	Clasping pepperweed	Undesirable	2	2%	0	0%
Perennial	ACHY	<i>Achnatherum hymenoides</i>	Indian Ricegrass	Grass	2	2%	0	0%
Perennial	ARTR2	<i>Artemisia tridentata</i>	Big Sagebrush	Shrub	10	10%	4	4%
Perennial	ARTRW8	<i>Artemisia tridentata</i> ssp. <i>Wyomingensis</i>	Wyoming Big Sagebrush	Shrub	1	1%	0	0%
Perennial	ATCO	<i>Atriplex confertifolia</i>	Shadscale saltbush	Shrub	10	10%	2	2%
Perennial	PASM	<i>Pascopyrum smithii</i>	Western Wheatgrass	Grass	3	3%	3	3%
Perennial	PSP6	<i>Pseudoroegneria spicata</i>	Bluebunch wheatgrass	Grass	2	2%	1	1%
Perennial	SAVE4	<i>Sarcobatus vermiculatus</i>	Greasewood	Shrub	7	7%	1	1%
Unvegetated	NA	NA	Rock	Unvegetated	9	9%	16	16%
Unvegetated	NA	NA	Litter	Unvegetated	17	17%	38	38%
Unvegetated	NA	NA	Bare Ground	Unvegetated	8	8%	10	10%

Client Caerus Oil and Gas (10456)
Operator Location Information Chevron 22D-17
Assessment Date 7/21/2022
Inspector Name Alex Slorby
Transect Length (ft.) 150

Reclaim Transect 1

Point #	Cover Type - Foliar	Species - Foliar	Cover Type - Basal	Species - Basal
1	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM
2	Unvegetated	NA	Unvegetated	Bare Ground
3	Unvegetated	NA	Unvegetated	Bare Ground
4	Shrub	Fourwing saltbush (<i>Atriplex canescens</i>) - ATCA2	Shrub	Fourwing saltbush (<i>Atriplex canescens</i>) - ATCA2
5	Shrub	Greasewood (<i>Sarcobatus vermiculatus</i>) - SAVE4	Unvegetated	Litter
6	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM
7	Unvegetated	NA	Unvegetated	Litter
8	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Unvegetated	Bare Ground
9	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Unvegetated	Litter
10	Unvegetated	NA	Unvegetated	Bare Ground
11	Unvegetated	NA	Unvegetated	Bare Ground
12	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Unvegetated	Rock
13	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR
14	Shrub	Fourwing saltbush (<i>Atriplex canescens</i>) - ATCA2	Unvegetated	Litter
15	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Unvegetated	Bare Ground
16	Unvegetated	NA	Unvegetated	Rock
17	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Unvegetated	Bare Ground
18	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Unvegetated	Bare Ground
19	Unvegetated	NA	Unvegetated	Bare Ground
20	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Unvegetated	Bare Ground
21	Shrub	Fourwing saltbush (<i>Atriplex canescens</i>) - ATCA2	Unvegetated	Litter
22	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Unvegetated	Bare Ground
23	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Unvegetated	Litter
24	Unvegetated	NA	Unvegetated	Bare Ground
25	Shrub	Rubber Rabbitbrush (<i>Ericameria nauseosa</i>) - ERNA10	Unvegetated	Litter
26	Unvegetated	NA	Unvegetated	Rock
27	Unvegetated	NA	Unvegetated	Rock
28	Unvegetated	NA	Unvegetated	Rock
29	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Unvegetated	Litter
30	Unvegetated	NA	Unvegetated	Rock
31	Unvegetated	NA	Unvegetated	Bare Ground
32	Shrub	Rubber Rabbitbrush (<i>Ericameria nauseosa</i>) - ERNA10	Unvegetated	Bare Ground
33	Unvegetated	NA	Unvegetated	Litter
34	Unvegetated	NA	Unvegetated	Rock
35	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR
36	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Unvegetated	Bare Ground
37	Unvegetated	NA	Unvegetated	Litter
38	Unvegetated	NA	Unvegetated	Bare Ground
39	Unvegetated	NA	Unvegetated	Litter
40	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR
41	Unvegetated	NA	Unvegetated	Bare Ground
42	Unvegetated	NA	Unvegetated	Bare Ground
43	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Unvegetated	Litter
44	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR	Grass	Crested wheatgrass (<i>Agropyron cristatum</i>) - AGCR
45	Unvegetated	NA	Unvegetated	Bare Ground
46	Unvegetated	NA	Unvegetated	Bare Ground
47	Unvegetated	NA	Unvegetated	Rock
48	Unvegetated	NA	Unvegetated	Bare Ground
49	Unvegetated	NA	Unvegetated	Litter
50	Unvegetated	NA	Unvegetated	Litter

Client Caerus Oil and Gas (10456)
Operator Location Information Chevron 22D-17
Assessment Date 7/21/2022
Inspector Name Alex Slorby
Transect Length (ft.) 150

Reclaim Transect 2

Point #	Cover Type - Foliar	Species - Foliar	Cover Type - Basal	Species - Basal
1	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM
2	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Unvegetated	Litter
3	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Unvegetated	Litter
4	Shrub	Rubber Rabbitbrush (Ericameria nauseosa) - ERNA10	Noxious List C	Downy brome (Bromus tectorum) - BRTE
5	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM
6	Unvegetated	NA	Unvegetated	Bare Ground
7	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM
8	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Unvegetated	Litter
9	Shrub	Rubber Rabbitbrush (Ericameria nauseosa) - ERNA10	Shrub	Rubber Rabbitbrush (Ericameria nauseosa) - ERNA10
10	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
11	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Unvegetated	Bare Ground
12	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM
13	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Unvegetated	Litter
14	Unvegetated	NA	Unvegetated	Bare Ground
15	Unvegetated	NA	Unvegetated	Litter
16	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Unvegetated	Bare Ground
17	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR
18	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Unvegetated	Litter
19	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Unvegetated	Litter
20	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Unvegetated	Litter
21	Unvegetated	NA	Unvegetated	Bare Ground
22	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR
23	Unvegetated	NA	Unvegetated	Bare Ground
24	Unvegetated	NA	Unvegetated	Bare Ground
25	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Unvegetated	Rock
26	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR
27	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Unvegetated	Bare Ground
28	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM
29	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Unvegetated	Litter
30	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Unvegetated	Litter
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32	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Unvegetated	Litter
33	Unvegetated	NA	Unvegetated	Bare Ground
34	Unvegetated	NA	Unvegetated	Rock
35	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR
36	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Unvegetated	Rock
37	Unvegetated	NA	Unvegetated	Bare Ground
38	Unvegetated	NA	Unvegetated	Bare Ground
39	Unvegetated	NA	Unvegetated	Bare Ground
40	Unvegetated	NA	Unvegetated	Litter
41	Unvegetated	NA	Unvegetated	Bare Ground
42	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR
43	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Unvegetated	Bare Ground
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46	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM
47	Unvegetated	NA	Unvegetated	Bare Ground
48	Unvegetated	NA	Unvegetated	Litter
49	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Unvegetated	Rock
50	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR	Grass	Crested wheatgrass (Agropyron cristatum) - AGCR

Client Caerus Oil and Gas (10456)
Operator Location Information Chevron 22D-17
Assessment Date 7/21/2022
Inspector Name Alex Slorby
Transect Length (ft.) 150

Reference Transect 1

Point #	Cover Type - Foliar	Species - Foliar	Cover Type - Basal	Species - Basal
1	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM
2	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2
3	Shrub	Shadscale saltbush (<i>Atriplex confertifolia</i>) - ATCO	Shrub	Shadscale saltbush (<i>Atriplex confertifolia</i>) - ATCO
4	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
5	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
6	Grass	Indian Ricegrass (<i>Achnatherum hymenoides</i>) - ACHY	Unvegetated	Rock
7	Grass	Indian Ricegrass (<i>Achnatherum hymenoides</i>) - ACHY	Unvegetated	Rock
8	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Unvegetated	Litter
9	Unvegetated	NA	Unvegetated	Rock
10	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2
11	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
12	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Unvegetated	Bare Ground
13	Unvegetated	NA	Unvegetated	Litter
14	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Unvegetated	Litter
15	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM	Unvegetated	Rock
16	Unvegetated	NA	Unvegetated	Litter
17	Shrub	Wyoming Big Sagebrush (<i>Artemisia tridentata</i> ssp. <i>Wyomingensis</i>) - ARTRW8	Unvegetated	Bare Ground
18	Unvegetated	NA	Unvegetated	Rock
19	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
20	Grass	Bluebunch wheatgrass (<i>Pseudoroegneria spicata</i>) - PSSP6	Grass	Bluebunch wheatgrass (<i>Pseudoroegneria spicata</i>) - PSSP6
21	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Shrub	Greasewood (<i>Sarcobatus vermiculatus</i>) - SAVE4
22	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
23	Unvegetated	NA	Unvegetated	Rock
24	Unvegetated	NA	Unvegetated	Rock
25	Shrub	Greasewood (<i>Sarcobatus vermiculatus</i>) - SAVE4	Unvegetated	Rock
26	Shrub	Shadscale saltbush (<i>Atriplex confertifolia</i>) - ATCO	Unvegetated	Rock
27	Undesirable	Alyssum (<i>Alyssum simplex</i>) - ALSI8	Unvegetated	Litter
28	Unvegetated	NA	Unvegetated	Litter
29	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Unvegetated	Litter
30	Grass	Bluebunch wheatgrass (<i>Pseudoroegneria spicata</i>) - PSSP6	Unvegetated	Rock
31	Unvegetated	NA	Unvegetated	Bare Ground
32	Unvegetated	NA	Unvegetated	Litter
33	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Unvegetated	Litter
34	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2
35	Shrub	Shadscale saltbush (<i>Atriplex confertifolia</i>) - ATCO	Unvegetated	Litter
36	Shrub	Greasewood (<i>Sarcobatus vermiculatus</i>) - SAVE4	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
37	Unvegetated	NA	Unvegetated	Bare Ground
38	Unvegetated	NA	Unvegetated	Rock
39	Unvegetated	NA	Unvegetated	Litter
40	Shrub	Shadscale saltbush (<i>Atriplex confertifolia</i>) - ATCO	Unvegetated	Litter
41	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Unvegetated	Litter
42	Shrub	Greasewood (<i>Sarcobatus vermiculatus</i>) - SAVE4	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
43	Shrub	Greasewood (<i>Sarcobatus vermiculatus</i>) - SAVE4	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE
44	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Unvegetated	Litter
45	Unvegetated	NA	Unvegetated	Litter
46	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Grass	Western Wheatgrass (<i>Pascopyrum smithii</i>) - PASM
47	Shrub	Big Sagebrush (<i>Artemisia tridentata</i>) - ARTR2	Unvegetated	Litter
48	Noxious List C	Downy brome (<i>Bromus tectorum</i>) - BRTE	Unvegetated	Litter
49	Unvegetated	NA	Unvegetated	Bare Ground
50	Unvegetated	NA	Unvegetated	Bare Ground

Client Caerus Oil and Gas (10456)
Operator Location Information Chevron 22D-17
Assessment Date 7/21/2022
Inspector Name Alex Slorby
Transect Length (ft.) 150

Reference Transect 2

Point #	Cover Type - Foliar	Species - Foliar	Cover Type - Basal	Species - Basal
1	Undesirable	Alyssum (Alyssum simplex) - ALSI8	Undesirable	Alyssum (Alyssum simplex) - ALSI8
2	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM	Noxious List C	Downy brome (Bromus tectorum) - BRTE
3	Unvegetated	NA	Unvegetated	Bare Ground
4	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Undesirable	Alyssum (Alyssum simplex) - ALSI8
5	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Unvegetated	Litter
6	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Unvegetated	Litter
7	Unvegetated	NA	Unvegetated	Rock
8	Unvegetated	NA	Unvegetated	Litter
9	Undesirable	Clasping pepperweed (Lepidium perfoliatum) - LEPE2	Grass	Western Wheatgrass (Pascopyrum smithii) - PASM
10	Unvegetated	NA	Unvegetated	Litter
11	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Noxious List C	Downy brome (Bromus tectorum) - BRTE
12	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
13	Unvegetated	NA	Unvegetated	Litter
14	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
15	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Unvegetated	Litter
16	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Unvegetated	Litter
17	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Noxious List C	Downy brome (Bromus tectorum) - BRTE
18	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Noxious List C	Downy brome (Bromus tectorum) - BRTE
19	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Noxious List C	Downy brome (Bromus tectorum) - BRTE
20	Unvegetated	NA	Unvegetated	Litter
21	Unvegetated	NA	Unvegetated	Bare Ground
22	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
23	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
24	Shrub	Greasewood (Sarcobatus vermiculatus) - SAVE4	Unvegetated	Litter
25	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
26	Undesirable	Clasping pepperweed (Lepidium perfoliatum) - LEPE2	Noxious List C	Downy brome (Bromus tectorum) - BRTE
27	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Unvegetated	Litter
28	Shrub	Greasewood (Sarcobatus vermiculatus) - SAVE4	Unvegetated	Litter
29	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
30	Unvegetated	NA	Unvegetated	Litter
31	Unvegetated	NA	Unvegetated	Rock
32	Unvegetated	NA	Unvegetated	Litter
33	Unvegetated	NA	Unvegetated	Litter
34	Shrub	Greasewood (Sarcobatus vermiculatus) - SAVE4	Noxious List C	Downy brome (Bromus tectorum) - BRTE
35	Unvegetated	NA	Unvegetated	Bare Ground
36	Unvegetated	NA	Unvegetated	Litter
37	Unvegetated	NA	Unvegetated	Rock
38	Shrub	Big Sagebrush (Artemisia tridentata) - ARTR2	Shrub	Big Sagebrush (Artemisia tridentata) - ARTR2
39	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Unvegetated	Litter
40	Unvegetated	NA	Unvegetated	Litter
41	Unvegetated	NA	Unvegetated	Litter
42	Shrub	Big Sagebrush (Artemisia tridentata) - ARTR2	Unvegetated	Litter
43	Unvegetated	NA	Unvegetated	Bare Ground
44	Unvegetated	NA	Unvegetated	Litter
45	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO	Unvegetated	Rock
46	Unvegetated	NA	Unvegetated	Rock
47	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Unvegetated	Litter
48	Forb	Western tansymustard (Descurainia pinnata) - DEPI	Shrub	Shadscale saltbush (Atriplex confertifolia) - ATCO
49	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE
50	Noxious List C	Downy brome (Bromus tectorum) - BRTE	Noxious List C	Downy brome (Bromus tectorum) - BRTE