

II. APPENDIX D - DESCRIPTION OF THE LAND

H. Appendix D-8 - Vegetation Inventory (see Guideline No. 2).

The undisturbed portion of the permit area is pastureland and has been grazed. The owner has no information on past seed mixtures that may have been used on the property.

The vegetative cover within the permit area was mapped and described by Grouse Mountain Environmental Consulting. Their report and photos of the vegetative cover types are included.



2024

Vegetation Assessment

Forbes Pit

Prepared For:

Mullinax Inc.
P.O. Box 2044
Sheridan, WY 82801

Prepared By:

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August 30, 2024

Table of Contents

1.0 Introduction2

2.0 Environmental Setting.....2

3.0 Methods and Results2

References3

FIGURES

Figure 1. 2024 Forbes Pit Vegetation Sampling Map 4

ATTACHMENTS/APPENDICES

Appendix A. Forbes Pit Vegetation Sampling Location Species Richness Forms 5

Appendix B. Forbes Pit Vegetation Sampling Location Photos..... 6

Appendix C. Forbes Pit Vegetation Cover by Species18

1.0 INTRODUCTION

Grouse Mountain Environmental Consultants, LLC (Grouse Mountain) was contracted by Mullinax Inc. to conduct a vegetation assessment for the Forbes Pit located in Sheridan County, Wyoming. This assessment is to evaluate what plant species are present on location before disturbance occurs. The proposed project boundary is approximately 1,766 acres. Grouse Mountain assessed vegetation within development phases in May of 2024.

2.0 ENVIRONMENTAL SETTING

The Forbes Pit is approximately 5.5 miles southwest of Sheridan, Wyoming. The local climate is characterized by long cold winters and short warm summers. Average temperatures range from 6° F to 32.5° F in January and from 53.5° F to 88° F in July. Mean annual precipitation is 14.92 inches (Climate Summary). Elevation of the surveyed area ranges from 4,000 to 4,300 feet. The surrounding area is primarily rolling hills bisected by large drainages. Dominant vegetation includes western wheatgrass (*Pascopyrum smithii*), green needlegrass (*Nassella viridula*), needleandthread (*scientific name*), and Sandberg bluegrass (*scientific name*). The project area is dominated by loamy (15-19 NP), shallow clayey (15-19 NP), and shallow loamy (15-19 NP) ecosites.

3.0 METHODS AND RESULTS

The majority of the permit area is mixed-grass prairie with limited shrub cover. As such, sampling locations were selected based on vegetation community within the project boundary (Figure 1). Data was collected using the Database for Inventory, Monitoring, and Assessment (DIMA), and vegetation was assessed using 50-meter transects with randomly determined azimuths. There was little variability in species composition and abundance between sampling locations. All the sample locations had an even mix of grass and forb species, with sample location 20 having a slightly higher shrub component than the other sites (Appendix A). Dominant grass species found throughout the sites were western wheatgrass (*Pascopyrum smithii*) and bluebunch wheatgrass (*Pseudoroegneria spicata*), with Sandberg bluegrass (*Poa secunda*) and prairie Junegrass (*Koeleria macrantha*) commonly found throughout the sites. The dominant forb species found throughout the sites was common dandelion (*Taraxacum officinale*), with spiny phlox (*Phlox hoodia*) and hoary balsamroot (*Balsamorhiza incana*) commonly found throughout the sites.

Sample locations 1-4, 6-13, and 15-22 were all located within the Loamy (Ly) 15-19 Northern Plains Precipitation Zone ecological site. Sample location 5 was located within the Shallow Loamy (SwLy) 15-19 Northern Plains Precipitation Zone ecological site. Sample location 14 was located within the Loamy 15-17 Precipitation Zone. Field data was collected using Field Maps for ArcGIS on an iPad Pro device with an internal global positioning system (GPS), as well as a Dell Rugged Extreme Tablet. Vegetation features were documented with the iPad Pro camera in the Theodolite app (Appendix B). Grouse Mountain did not observe any state or county designated noxious weeds, nor did Grouse Mountain observe any threatened or endangered plant species.

REFERENCES

SHERIDAN FLD STN, WYOMING - Climate Summary. (n.d.). <https://wrcc.dri.edu/cgi-bin/cliMAIN.pl?wy8160>

FIGURES

Figure 1. 2024 Forbes Pit Vegetation Sampling Map

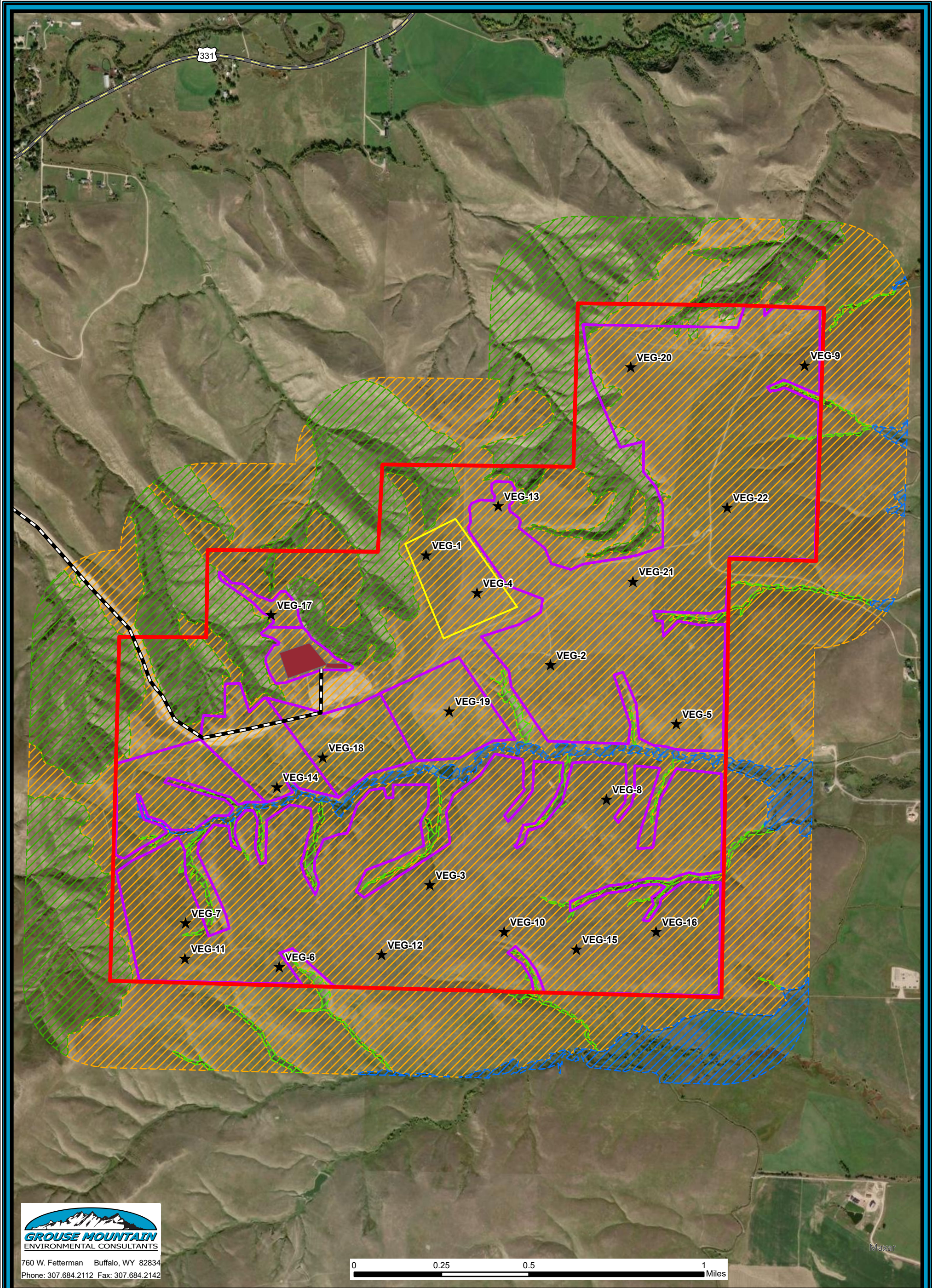


Figure 1. 2024 Forbes Pit Vegetation Sampling Map

- | | | |
|----------------------|--------------------|--------------------|
| ★ Sampling Locations | Upland Grassland | Reference Area |
| Affected Area | Upland Drainages | Existing Haul Road |
| Permit Boundary | Shrub/Juniper/Tree | |
| Proposed Facilities | Wet Drainages | |

Coordinate System: NAD 1983 UTM Zone 13N
Projection: Transverse Mercator
Datum: North American 1983
Units: Meter
Scale: 1:16,000
Date: 5/30/2024
Created by: gshedd
File Name: Forbes_Pit_Veg_Sampling

Appendix A.
**Forbes Pit Vegetation Sampling Location Species Richness
Forms**

Site ID VEG-01		Site Name VEG-01 (Reference)	Plot ID VEG-01 (Reference)		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
AGCR	Agropyron cristatum	crested wheatgrass	Non-woody	Graminoid	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ASPU9	Astragalus purshii	woollypod milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
ERCA2	Erigeron caespitosus	tufted fleabane	Non-woody	Forb/herb	Perennial
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HECO26	Hesperostipa comata	needle and thread	Non-woody	Graminoid	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POBU	Poa bulbosa	bulbous bluegrass	Non-woody	Graminoid	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
POTEN	Potentilla	cinquefoil	Non-woody	Forb/herb	
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	33		

Site ID VEG-02		Site Name VEG-02	Plot ID VEG-02		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARLU	Artemisia ludoviciana	white sagebrush	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CICA11	Cirsium canescens	prairie thistle	Non-woody	Forb/herb	Biennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POPR	Poa pratensis	Kentucky bluegrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/29/24	1	27		

Site ID VEG-03		Site Name VEG-03	Plot ID VEG-03		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
AGCR	Agropyron cristatum	crested wheatgrass	Non-woody	Graminoid	Perennial
ANMI3	Antennaria microphylla	littleleaf pussytoes	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASPU9	Astragalus purshii	woollypod milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CIUN	Cirsium undulatum	wavyleaf thistle	Non-woody	Forb/herb	Biennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ECAN2	Echinacea angustifolia	blacksamson echinacea	Non-woody	Forb/herb	Perennial
FEID	Festuca idahoensis	Idaho fescue	Non-woody	Graminoid	Perennial
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POPR	Poa pratensis	Kentucky bluegrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	35		

Site ID VEG-04		Site Name VEG-04 (Reference)	Plot ID VEG-04 (Reference)		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANMI3	Antennaria microphylla	littleleaf pussytoes	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ERIC6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	29		

Site ID VEG-05		Site Name VEG-05	Plot ID VEG-05		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARLU	Artemisia ludoviciana	white sagebrush	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
COLI2	Collomia linearis	tiny trumpet	Non-woody	Forb/herb	Annual
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
DESCU	Descurainia	tansymustard	Non-woody	Forb/herb	
ERCI6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
MESA	Medicago sativa	alfalfa	Non-woody	Forb/herb	Perennial
OPPO	Opuntia polyacantha	plains pricklypear	Woody	Succulent	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
POPR	Poa pratensis	Kentucky bluegrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
POTEN	Potentilla	cinquefoil	Non-woody	Forb/herb	
PSLA3	Psoralidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
	Form Date	Line ID	Species Count		
	05/20/24	1	27		

Site ID VEG-06		Site Name VEG-06	Plot ID VEG-06		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANMI3	Antennaria microphylla	littleleaf pussytoes	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ARLU	Artemisia ludoviciana	white sagebrush	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASDR3	Astragalus drummondii	Drummond's milkvetch	Non-woody	Forb/herb	Perennial
ASG15	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
BRIN2	Bromus inermis	smooth brome	Non-woody	Graminoid	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
CIUN	Cirsium undulatum	wavyleaf thistle	Non-woody	Forb/herb	Biennial
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POPR	Poa pratensis	Kentucky bluegrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
POTEN	Potentilla	cinquefoil	Non-woody	Forb/herb	
PSLA3	Psoraleidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	40		

Site ID VEG-07		Site Name VEG-07	Plot ID VEG-07		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANMI3	Antennaria microphylla	littleleaf pussytoes	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO2	Lepidium montanum	mountain pepperweed	Non-woody	Forb/herb	Biennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	29		

Site ID VEG-08		Site Name VEG-08	Plot ID VEG-08		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
AMAR2	Ambrosia artemisiifolia	annual ragweed	Non-woody	Forb/herb	Annual
ANMI3	Antennaria microphylla	littleleaf pussytoes	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASDR3	Astragalus drummondii	Drummond's milkvetch	Non-woody	Forb/herb	Perennial
ASPU9	Astragalus purshii	woolypod milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CIUN	Cirsium undulatum	wavyleaf thistle	Non-woody	Forb/herb	Biennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ERCA2	Erigeron caespitosus	tufted fleabane	Non-woody	Forb/herb	Perennial
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LELU	Lesquerella ludoviciana	foothill bladderpod	Non-woody	Forb/herb	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POPR	Poa pratensis	Kentucky bluegrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	37		

Site ID VEG-09		Site Name VEG-09	Plot ID VEG-09		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HECO26	Hesperostipa comata	needle and thread	Non-woody	Graminoid	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIRU4	Lithospermum ruderales	western stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
MESA	Medicago sativa	alfalfa	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
OPPO	Opuntia polyacantha	plains pricklypear	Woody	Succulent	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSLA3	Psoraleidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	32		

Site ID VEG-10		Site Name VEG-10	Plot ID VEG-10		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
AMAR2	Ambrosia artemisiifolia	annual ragweed	Non-woody	Forb/herb	Annual
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASDR3	Astragalus drummondii	Drummond's milkvetch	Non-woody	Forb/herb	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
ASLO4	Astragalus lotiflorus	lotus milkvetch	Non-woody	Forb/herb	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CIUN	Cirsium undulatum	wavyleaf thistle	Non-woody	Forb/herb	Biennial
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stone seed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POPR	Poa pratensis	Kentucky bluegrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSLA3	Psoralidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	35		

Site ID VEG-11		Site Name VEG-11	Plot ID VEG-11		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
ASPU9	Astragalus purshii	woollypod milkvetch	Non-woody	Forb/herb	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
CIUN	Cirsium undulatum	wavyleaf thistle	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
POTEN	Potentilla	cinquefoil	Non-woody	Forb/herb	
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	33		

Site ID VEG-12		Site Name VEG-12	Plot ID VEG-12		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
AMAR2	Ambrosia artemisiifolia	annual ragweed	Non-woody	Forb/herb	Annual
ANMI3	Antennaria microphylla	littleleaf pussytoes	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ASDR3	Astragalus drummondii	Drummond's milkvetch	Non-woody	Forb/herb	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
ASPU9	Astragalus purshii	woollypod milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CIUN	Cirsium undulatum	wavyleaf thistle	Non-woody	Forb/herb	Biennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ECAN2	Echinacea angustifolia	blacksamson echinacea	Non-woody	Forb/herb	Perennial
ERCA2	Erigeron caespitosus	tufted fleabane	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSLA3	Psoralidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	38		

Site ID VEG-13		Site Name VEG-13	Plot ID VEG-13		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANMI3	Antennaria microphylla	littleleaf pussytoes	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARPU9	Aristida purpurea	purple threeawn	Non-woody	Graminoid	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASDR3	Astragalus drummondii	Drummond's milkvetch	Non-woody	Forb/herb	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
ERCI6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
GETR	Geum triflorum	old man's whiskers	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSLA3	Psoraleidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	31		

Site ID VEG-14		Site Name VEG-14	Plot ID VEG-14		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ERCI6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
POTEN	Potentilla	cinquefoil	Non-woody	Forb/herb	
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/29/24	1	26		

Site ID VEG-15		Site Name VEG-15	Plot ID VEG-15		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASPU9	Astragalus purshii	woollypod milkvetch	Non-woody	Forb/herb	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ERCI6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSLA3	Psoralidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	32		

Site ID VEG-16		Site Name VEG-16	Plot ID VEG-16		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
AGCR	Agropyron cristatum	crested wheatgrass	Non-woody	Graminoid	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BRAR5	Bromus arvensis	field brome	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
CIUN	Cirsium undulatum	wavyleaf thistle	Non-woody	Forb/herb	Biennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ERIC6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
OPPO	Opuntia polyacantha	plains pricklypear	Woody	Succulent	Perennial
OXLA3	Oxytropis lambertii	purple locoweed	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/15/24	1	32		

Site ID VEG-17		Site Name VEG-17	Plot ID VEG-17		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARLU	Artemisia ludoviciana	white sagebrush	Non-woody	Forb/herb	Perennial
ARPU9	Aristida purpurea	purple threeawn	Non-woody	Graminoid	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
HECO26	Hesperostipa comata	needle and thread	Non-woody	Graminoid	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	32		

Site ID VEG-18		Site Name VEG-18	Plot ID VEG-18		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARLU	Artemisia ludoviciana	white sagebrush	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ERIC6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
FEID	Festuca idahoensis	Idaho fescue	Non-woody	Graminoid	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
HECO26	Hesperostipa comata	needle and thread	Non-woody	Graminoid	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PEAR6	Pedimelum argophyllum	silverleaf Indian breadroot	Non-woody	Forb/herb	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POBU	Poa bulbosa	bulbous bluegrass	Non-woody	Graminoid	Perennial
POPR	Poa pratensis	Kentucky bluegrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/29/24	1	31		

Site ID VEG-19		Site Name VEG-19	Plot ID VEG-19		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARLU	Artemisia ludoviciana	white sagebrush	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
DEBI	Delphinium bicolor	little larkspur	Non-woody	Forb/herb	Perennial
ERCI6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
HECO26	Hesperostipa comata	needle and thread	Non-woody	Graminoid	Perennial
HEVI4	Heterotheca villosa	hairy false goldenaster	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
POTEN	Potentilla	cinquefoil	Non-woody	Forb/herb	
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
ROWO	Rosa woodsii	Woods' rose	Woody	Sub-Shrub	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
ZIVE	Zigadenus venenosus	meadow deathcamas	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/29/24	1	25		

Site ID VEG-20		Site Name VEG-20	Plot ID VEG-20		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARPU9	Aristida purpurea	purple threeawn	Non-woody	Graminoid	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CRAC2	Crepis acuminata	tapertip hawksbeard	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIRU4	Lithospermum ruderales	western stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	28		

Site ID VEG-21		Site Name VEG-21	Plot ID VEG-21		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ANPA4	Antennaria parvifolia	small-leaf pussytoes	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	Woody	Shrub	Perennial
ASAG2	Astragalus agrestis	purple milkvetch	Non-woody	Forb/herb	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
ASPU9	Astragalus purshii	woollypod milkvetch	Non-woody	Forb/herb	Perennial
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BEWY	Besseyia wyomingensis	Wyoming besseyia	Non-woody	Forb/herb	Perennial
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CEAR4	Cerastium arvense	field chickweed	Non-woody	Forb/herb	Perennial
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	Woody	Shrub	Perennial
ERCA2	Erigeron caespitosus	tufted fleabane	Non-woody	Forb/herb	Perennial
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
GUSA2	Gutierrezia sarothrae	broom snakeweed	Woody	Sub-Shrub	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSLA3	Psoraleidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	32		

Site ID VEG-22		Site Name VEG-22	Plot ID VEG-22		
Code	Scientific	Common	Growth Habit	Sub-Code	Duration
ACMI2	Achillea millefolium	common yarrow	Non-woody	Forb/herb	Perennial
ARCA13	Artemisia cana	silver sagebrush	Woody	Shrub	Perennial
ARFR4	Artemisia frigida	prairie sagewort	Non-woody	Forb/herb	Perennial
ARFU3	Arnica fulgens	foothill arnica	Non-woody	Forb/herb	Perennial
ASGI5	Astragalus gilviflorus	plains milkvetch	Non-woody	Forb/herb	Perennial
ASTRA	Astragalus	milkvetch	Non-woody	Forb/herb	
BAIN	Balsamorhiza incana	hoary balsamroot	Non-woody	Forb/herb	Perennial
BOGR2	Bouteloua gracilis	blue grama	Non-woody	Graminoid	Perennial
BRTE	Bromus tectorum	cheatgrass	Non-woody	Graminoid	Annual
CAFI	Carex filifolia	threadleaf sedge	Non-woody	Graminoid	Perennial
CRAC2	Crepis acuminata	tapertip hawksbeard	Non-woody	Forb/herb	Perennial
DENU2	Delphinium nuttallianum	twolobe larkspur	Non-woody	Forb/herb	Perennial
ERCI6	Erodium cicutarium	redstem stork's bill	Non-woody	Forb/herb	Annual
GRSQ	Grindelia squarrosa	curlycup gumweed	Non-woody	Forb/herb	Biennial
HECO26	Hesperostipa comata	needle and thread	Non-woody	Graminoid	Perennial
KOMA	Koeleria macrantha	prairie Junegrass	Non-woody	Graminoid	Perennial
LEMO4	Leucocrinum montanum	common starlily	Non-woody	Forb/herb	Perennial
LIIN2	Lithospermum incisum	narrowleaf stoneseed	Non-woody	Forb/herb	Perennial
LIRU4	Lithospermum ruderales	western stoneseed	Non-woody	Forb/herb	Perennial
LOMAT	Lomatium	desertparsley	Non-woody	Forb/herb	Perennial
LUWY	Lupinus wyethii	Wyeth's lupine	Non-woody	Forb/herb	Perennial
NAVI4	Nassella viridula	green needlegrass	Non-woody	Graminoid	Perennial
NOCU	Nothocalais cuspidata	prairie false dandelion	Non-woody	Forb/herb	Perennial
OPPO	Opuntia polyacantha	plains pricklypear	Woody	Succulent	Perennial
PASM	Pascopyrum smithii	western wheatgrass	Non-woody	Graminoid	Perennial
PHHO	Phlox hoodii	spiny phlox	Non-woody	Forb/herb	Perennial
POFE	Poa fendleriana	muttongrass	Non-woody	Graminoid	Perennial
POSE	Poa secunda	Sandberg bluegrass	Non-woody	Graminoid	Perennial
PSLA3	Psoraleidium lanceolatum	lemon scurfpea	Non-woody	Forb/herb	Perennial
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	Non-woody	Graminoid	Perennial
SPCO	Sphaeralcea coccinea	scarlet globemallow	Non-woody	Forb/herb	Perennial
TAOF	Taraxacum officinale	common dandelion	Non-woody	Forb/herb	Perennial
TRDU	Tragopogon dubius	yellow salsify	Non-woody	Forb/herb	Biennial
VIAM	Vicia americana	American vetch	Non-woody	Forb/herb	Perennial
VINU2	Viola nuttallii	Nuttall's violet	Non-woody	Forb/herb	Perennial
	Form Date	Line ID	Species Count		
	05/20/24	1	35		

Appendix B.

Forbes Pit Vegetation Sampling Location Photos



Forbes Pit Vegetation Sample Point 1 facing southeast



Forbes Pit Vegetation Sample Point 2 facing southeast



Forbes Pit Vegetation Sample Point 3 facing west-southwest



Forbes Pit Vegetation Sample Point 4 facing east-southeast



Forbes Pit Vegetation Sample Point 5 facing southeast



Forbes Pit Vegetation Sample Point 6 facing north



Forbes Pit Vegetation Sample Point 7 facing east-northeast



Forbes Pit Vegetation Sample Point 8 facing west



Forbes Pit Vegetation Sample Point 9 facing northeast



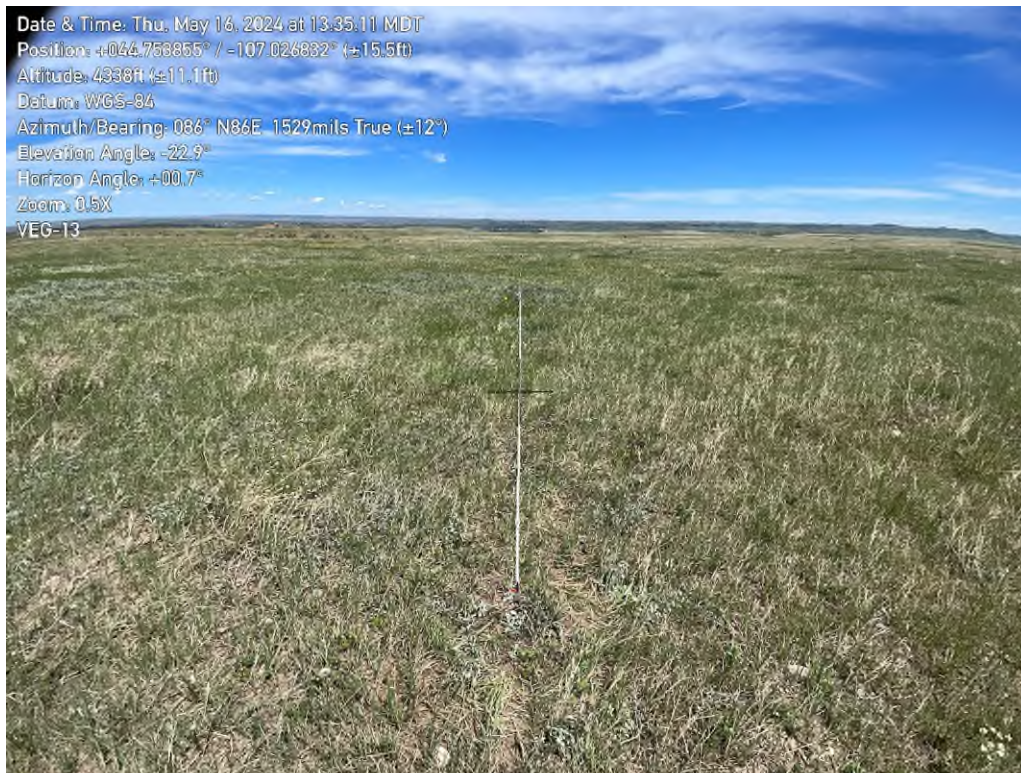
Forbes Pit Vegetation Sample Point 10 facing northwest



Forbes Pit Vegetation Sample Point 11 facing west-southwest



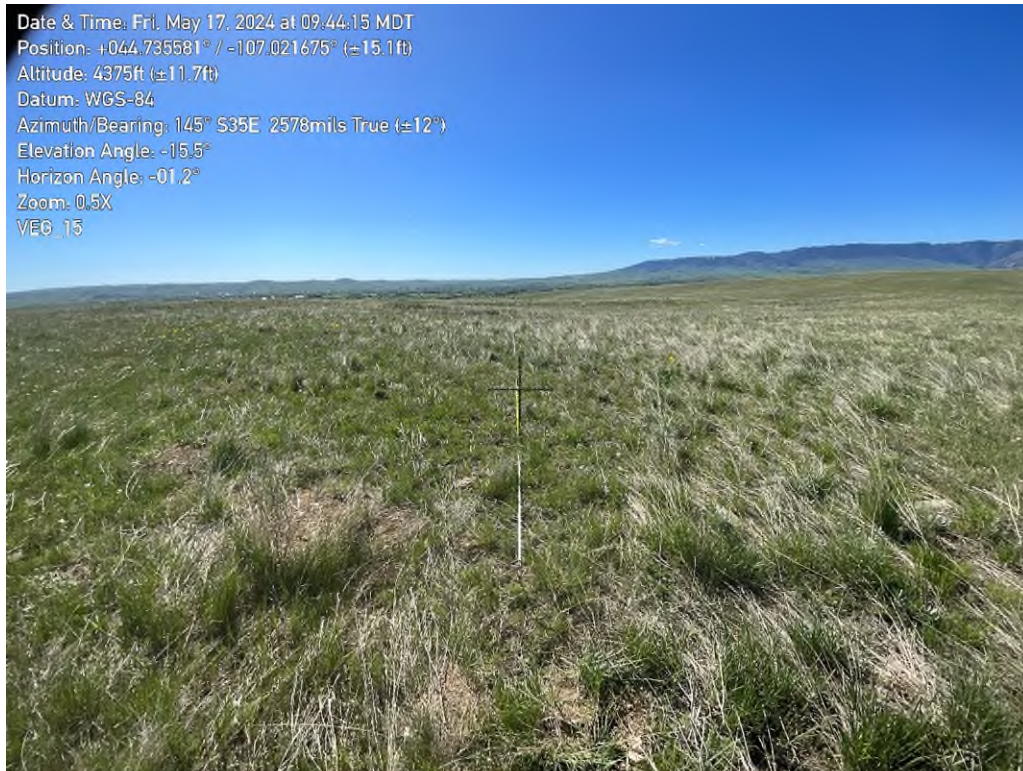
Forbes Pit Vegetation Sample Point 12 facing south-southeast



Forbes Pit Vegetation Sample Point 13 facing east



Forbes Pit Vegetation Sample Point 14 facing east-southeast



Forbes Pit Vegetation Sample Point 15 facing southeast



Forbes Pit Vegetation Sample Point 16 facing east-southeast



Forbes Pit Vegetation Sample Point 17 facing east-southeast



Forbes Pit Vegetation Sample Point 18 facing east



Forbes Pit Vegetation Sample Point 19 facing southwest



Forbes Pit Vegetation Sample Point 20 facing south-southeast



Forbes Pit Vegetation Sample Point 21 facing west



Forbes Pit Vegetation Sample Point 22 facing west

Appendix C.

Forbes Pit Vegetation Cover by Species

Site ID VEG-01		Site Name VEG-01 (Reference)		Plot ID VEG-01 (Reference)	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	40.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	30.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	20.0	2.0
AGCR	Agropyron cristatum	crested wheatgrass	2024	12.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	12.0	0.0
LIIN2	Lithospermum incisum	narrowleaf stoneseed	2024	12.0	0.0
LUWY	Lupinus wyethii	Wyeth's lupine	2024	6.0	0.0
VIAM	Vicia americana	American vetch	2024	6.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	4.0	0.0
BRTE	Bromus tectorum	cheatgrass	2024	2.0	0.0
GETR	Geum triflorum	old man's whiskers	2024	2.0	0.0
GRSQ	Grindelia squarrosa	curlycup gumweed	2024	2.0	0.0

Site ID VEG-02		Site Name VEG-02		Plot ID VEG-02	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	72.0	2.0
POSE	Poa secunda	Sandberg bluegrass	2024	16.0	0.0
ROWO	Rosa woodsii	Woods' rose	2024	8.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	6.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	4.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	4.0	0.0
BRTE	Bromus tectorum	cheatgrass	2024	2.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	2.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	2.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	2.0	0.0

Site ID VEG-03		Site Name VEG-03		Plot ID VEG-03	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	36.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	18.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	18.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	16.0	0.0
GUSA2	Gutierrezia sarothrae	broom snakeweed	2024	8.0	0.0
POPR	Poa pratensis	Kentucky bluegrass	2024	8.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	6.0	2.0
ACMI2	Achillea millefolium	common yarrow	2024	4.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	4.0	0.0
GRSQ	Grindelia squarrosa	curlycup gumweed	2024	4.0	0.0
ROWO	Rosa woodsii	Woods' rose	2024	4.0	0.0
AGCR	Agropyron cristatum	crested wheatgrass	2024	2.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	2.0	0.0
ARFR4	Artemisia frigida	prairie sagewort	2024	2.0	0.0
ECAN2	Echinacea angustifolia	blacksamson echinacea	2024	2.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	2.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	2.0	0.0
VIAM	Vicia americana	American vetch	2024	2.0	0.0
VINU2	Viola nuttallii	Nuttall's violet	2024	2.0	0.0

Site ID VEG-14		Site Name VEG-14		Plot ID VEG-14	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	62.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	10.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	10.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	10.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	8.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	6.0	2.0
VIAM	Vicia americana	American vetch	2024	6.0	2.0
ARCA13	Artemisia cana	silver sagebrush	2024	4.0	2.0
ARFR4	Artemisia frigida	prairie sagewort	2024	4.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	4.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	4.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	2.0	0.0
HEVI4	Heterotheca villosa	hairy false goldenaster	2024	2.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	2.0	2.0
LUWY	Lupinus wyethii	Wyeth's lupine	2024	2.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	2.0	0.0

Site ID VEG-04		Site Name VEG-04 (Reference)		Plot ID VEG-04 (Reference)	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
TAOF	Taraxacum officinale	common dandelion	2024	32.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	28.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	22.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	18.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	12.0	2.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	4.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	4.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	4.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	2.0	0.0

Site ID VEG-05		Site Name VEG-05		Plot ID VEG-05	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	66.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	16.0	0.0
BRTE	Bromus tectorum	cheatgrass	2024	12.0	0.0
ROWO	Rosa woodsii	Woods' rose	2024	8.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	4.0	0.0
ARLU	Artemisia ludoviciana	white sagebrush	2024	4.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	4.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	2.0	0.0
COLI2	Collomia linearis	tiny trumpet	2024	2.0	0.0

Site ID VEG-09		Site Name VEG-09		Plot ID VEG-09	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	38.0	4.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	22.0	2.0
POSE	Poa secunda	Sandberg bluegrass	2024	20.0	2.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	16.0	0.0
ARFR4	Artemisia frigida	prairie sagewort	2024	8.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	6.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	4.0	0.0
GUSA2	Gutierrezia sarothrae	broom snakeweed	2024	4.0	0.0
HEVI4	Heterotheca villosa	hairy false goldenaster	2024	4.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	4.0	0.0
NAVI4	Nassella viridula	green needlegrass	2024	2.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	2.0	0.0

Site ID VEG-10		Site Name VEG-10		Plot ID VEG-10	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	52.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	18.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	16.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	16.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	16.0	0.0
VIAM	Vicia americana	American vetch	2024	8.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	4.0	0.0
GUSA2	Gutierrezia sarothrae	broom snakeweed	2024	4.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	2.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	2.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	2.0	0.0
LIIN2	Lithospermum incisum	narrowleaf stoneseed	2024	2.0	0.0
POPR	Poa pratensis	Kentucky bluegrass	2024	2.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	2.0	0.0

Site ID VEG-08		Site Name VEG-08		Plot ID VEG-08	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
ACMI2	Achillea millefolium	common yarrow	2024	14.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	6.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	2.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	32.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	20.0	0.0
GUSA2	Gutierrezia sarothrae	broom snakeweed	2024	2.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	34.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	8.0	2.0
POPR	Poa pratensis	Kentucky bluegrass	2024	16.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	12.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	2.0	0.0
VEWY			2024	2.0	0.0

Site ID VEG-06		Site Name VEG-06		Plot ID VEG-06	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	48.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	24.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	14.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	10.0	0.0
LIIN2	Lithospermum incisum	narrowleaf stoneseed	2024	8.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	6.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	4.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	4.0	0.0
GUSA2	Gutierrezia sarothrae	broom snakeweed	2024	4.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	4.0	0.0
ROWO	Rosa woodsii	Woods' rose	2024	4.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	2.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	2.0	0.0
CHVI8	Chrysothamnus viscidiflorus	yellow rabbitbrush	2024	2.0	0.0
POPR	Poa pratensis	Kentucky bluegrass	2024	2.0	0.0
VIAM	Vicia americana	American vetch	2024	2.0	0.0

Site ID VEG-07		Site Name VEG-07		Plot ID VEG-07	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	66.0	2.0
TAOF	Taraxacum officinale	common dandelion	2024	24.0	2.0
CEAR4	Cerastium arvense	field chickweed	2024	14.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	10.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	8.0	0.0
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	2024	8.0	0.0
LIIN2	Lithospermum incisum	narrowleaf stoneseed	2024	4.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	4.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	4.0	0.0
ARFU3	Arnica fulgens	foothill arnica	2024	2.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	2.0	0.0
BRTE	Bromus tectorum	cheatgrass	2024	2.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	2.0	2.0
TRDU	Tragopogon dubius	yellow salsify	2024	2.0	0.0

Site ID VEG-11		Site Name VEG-11		Plot ID VEG-11	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	28.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	24.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	16.0	0.0
BRTE	Bromus tectorum	cheatgrass	2024	10.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	10.0	0.0
LIIN2	Lithospermum incisum	narrowleaf stoneseed	2024	8.0	0.0
ROWO	Rosa woodsii	Woods' rose	2024	6.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	4.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	4.0	0.0
HEVI4	Heterotheca villosa	hairy false goldenaster	2024	4.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	4.0	0.0
VIAM	Vicia americana	American vetch	2024	4.0	0.0

Site ID VEG-12		Site Name VEG-12		Plot ID VEG-12	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	44.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	20.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	18.0	2.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	16.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	14.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	10.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	10.0	2.0
POSE	Poa secunda	Sandberg bluegrass	2024	8.0	0.0
LIIN2	Lithospermum incisum	narrowleaf stoneseed	2024	4.0	2.0
SPCO	Sphaeralcea coccinea	scarlet globemallow	2024	4.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	2.0	0.0
GRSQ	Grindelia squarrosa	curlycup gumweed	2024	2.0	0.0
GUSA2	Gutierrezia sarothrae	broom snakeweed	2024	2.0	0.0
HEVI4	Heterotheca villosa	hairy false goldenaster	2024	2.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	2.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	2.0	0.0
VIAM	Vicia americana	American vetch	2024	2.0	0.0

Site ID VEG-13		Site Name VEG-13		Plot ID VEG-13	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	78.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	28.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	10.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	8.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	6.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	6.0	0.0
ERCI6	Erodium cicutarium	redstem stork's bill	2024	4.0	0.0
LIIN2	Lithospermum incisum	narrowleaf stoneseed	2024	2.0	0.0
LOMAT	Lomatium	desertparsley	2024	2.0	0.0
NAVI4	Nassella viridula	green needlegrass	2024	2.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	2.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	2.0	0.0
VIAM	Vicia americana	American vetch	2024	2.0	0.0

Site ID VEG-18		Site Name VEG-18		Plot ID VEG-18	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	48.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	16.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	12.0	0.0
ARLU	Artemisia ludoviciana	white sagebrush	2024	10.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	10.0	0.0
LUWY	Lupinus wyethii	Wyeth's lupine	2024	8.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	6.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	6.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	6.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	4.0	0.0
BRTE	Bromus tectorum	cheatgrass	2024	2.0	0.0
HECO26	Hesperostipa comata	needle and thread	2024	2.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	2.0	0.0
POBU	Poa bulbosa	bulbous bluegrass	2024	2.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	2.0	0.0
ROWO	Rosa woodsii	Woods' rose	2024	2.0	0.0

Site ID VEG-15		Site Name VEG-15		Plot ID VEG-15	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	54.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	24.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	14.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	12.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	10.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	10.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	8.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	8.0	2.0
BRTE	Bromus tectorum	cheatgrass	2024	6.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	6.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	4.0	2.0
CAFI	Carex filifolia	threadleaf sedge	2024	4.0	0.0
HEVI4	Heterotheca villosa	hairy false goldenaster	2024	4.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	4.0	0.0
LUWY	Lupinus wyethii	Wyeth's lupine	2024	2.0	0.0

Site ID VEG-16		Site Name VEG-16		Plot ID VEG-16	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	48.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	20.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	20.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	10.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	8.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	8.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	6.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	2.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	2.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	2.0	0.0
VINU2	Viola nuttallii	Nuttall's violet	2024	2.0	0.0

	Site ID VEG-17	Site Name VEG-17	Plot ID VEG-17		
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	46.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	18.0	2.0
POSE	Poa secunda	Sandberg bluegrass	2024	18.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	8.0	0.0
NAVI4	Nassella viridula	green needlegrass	2024	8.0	0.0
HECO26	Hesperostipa comata	needle and thread	2024	6.0	4.0
LEMO4	Leucocrinum montanum	common starlily	2024	6.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	4.0	0.0
BOGR2	Bouteloua gracilis	blue grama	2024	4.0	2.0
HEVI4	Heterotheca villosa	hairy false goldenaster	2024	4.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	4.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	4.0	0.0
ARFR4	Artemisia frigida	prairie sagewort	2024	2.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	2.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	2.0	0.0

Site ID VEG-19		Site Name VEG-19		Plot ID VEG-19	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
POSE	Poa secunda	Sandberg bluegrass	2024	72.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	52.0	0.0
ERCI6	Erodium cicutarium	redstem stork's bill	2024	12.0	0.0
ARLU	Artemisia ludoviciana	white sagebrush	2024	8.0	0.0
CEAR4	Cerastium arvense	field chickweed	2024	8.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	6.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	2.0	0.0

Site ID VEG-20		Site Name VEG-20		Plot ID VEG-20	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	38.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	24.0	0.0
ACMI2	Achillea millefolium	common yarrow	2024	18.0	0.0
ARTRW8	Artemisia tridentata ssp. wyomingensis	Wyoming big sagebrush	2024	12.0	2.0
LIRU4	Lithospermum ruderales	western stoneseed	2024	10.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	10.0	0.0
ASAG2	Astragalus agrestis	purple milkvetch	2024	8.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	8.0	0.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	4.0	0.0
ANPA4	Antennaria parvifolia	small-leaf pussytoes	2024	2.0	0.0
ARCA13	Artemisia cana	silver sagebrush	2024	2.0	0.0
BOGR2	Bouteloua gracilis	blue grama	2024	2.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	2.0	0.0
VIAM	Vicia americana	American vetch	2024	2.0	0.0

Site ID VEG-21		Site Name VEG-21		Plot ID VEG-21	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	36.0	2.0
PHHO	Phlox hoodii	spiny phlox	2024	14.0	2.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	12.0	2.0
BAIN	Balsamorhiza incana	hoary balsamroot	2024	8.0	0.0
CAFI	Carex filifolia	threadleaf sedge	2024	6.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	6.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	6.0	0.0
GUSA2	Gutierrezia sarothrae	broom snakeweed	2024	4.0	0.0
PASM	Pascopyrum smithii	western wheatgrass	2024	4.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	4.0	2.0
VIAM	Vicia americana	American vetch	2024	4.0	0.0
POFE	Poa fendleriana	muttongrass	2024	2.0	0.0

Site ID VEG-22		Site Name VEG-22		Plot ID VEG-22	
				Average Annual	Average Annual
Species	Scientific	Common	Year	Foliar Cover %	Basal Cover %
PASM	Pascopyrum smithii	western wheatgrass	2024	34.0	0.0
KOMA	Koeleria macrantha	prairie Junegrass	2024	20.0	2.0
ERCI6	Erodium cicutarium	redstem stork's bill	2024	16.0	0.0
POSE	Poa secunda	Sandberg bluegrass	2024	16.0	2.0
CAFI	Carex filifolia	threadleaf sedge	2024	14.0	0.0
HECO26	Hesperostipa comata	needle and thread	2024	12.0	4.0
NAVI4	Nassella viridula	green needlegrass	2024	8.0	0.0
PHHO	Phlox hoodii	spiny phlox	2024	6.0	0.0
TRDU	Tragopogon dubius	yellow salsify	2024	4.0	0.0
ARFU3	Arnica fulgens	foothill arnica	2024	2.0	0.0
CRAC2	Crepis acuminata	tapertip hawksbeard	2024	2.0	0.0
GRSQ	Grindelia squarrosa	curlycup gumweed	2024	2.0	0.0
LEMO4	Leucocrinum montanum	common starlily	2024	2.0	0.0
PSSP6	Pseudoroegneria spicata	bluebunch wheatgrass	2024	2.0	0.0
TAOF	Taraxacum officinale	common dandelion	2024	2.0	0.0