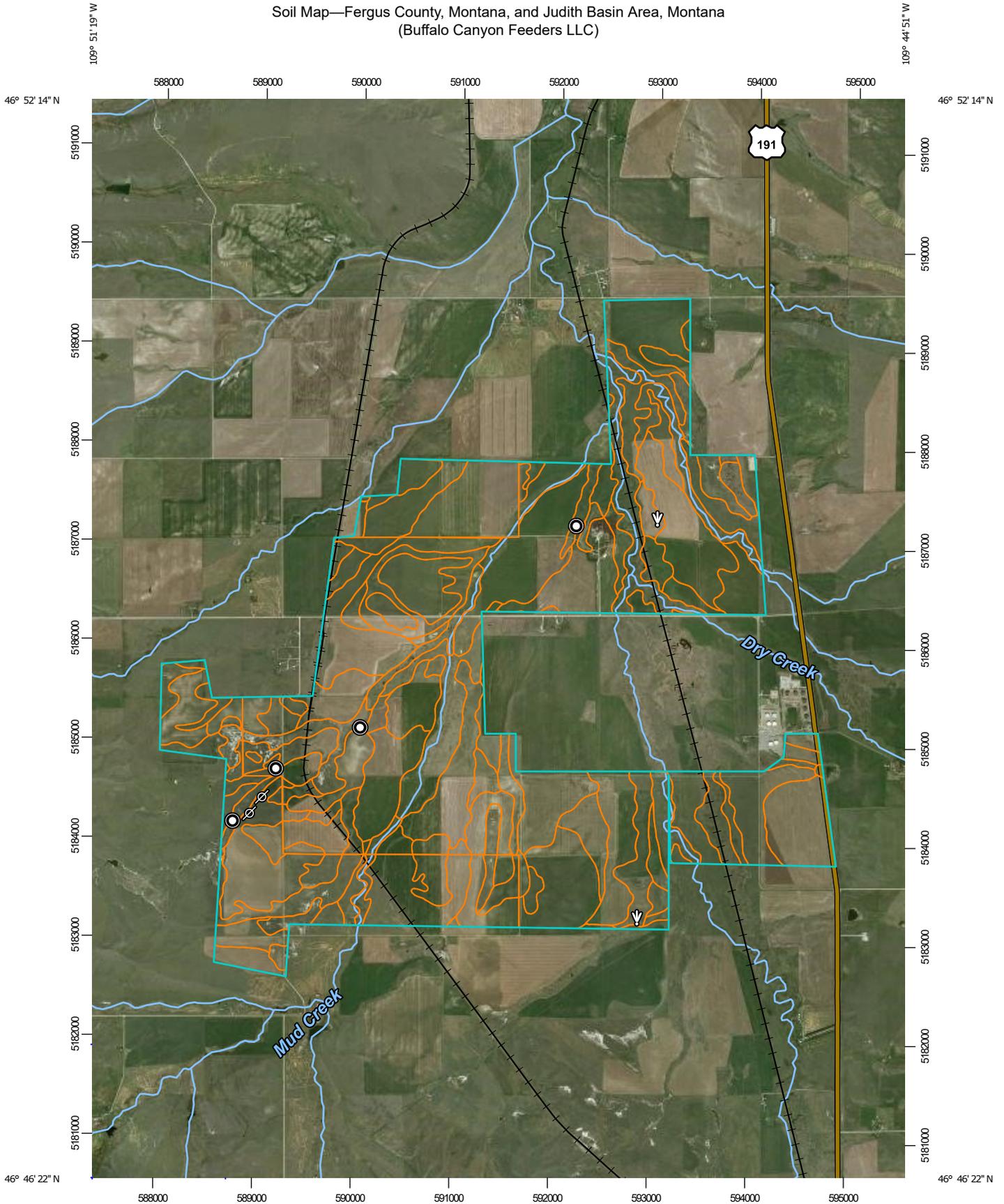


Soil Map—Fergus County, Montana, and Judith Basin Area, Montana  
(Buffalo Canyon Feeders LLC)



Map Scale: 1:53,000 if printed on A portrait (8.5" x 11") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 12N WGS84



Soil Map—Fergus County, Montana, and Judith Basin Area, Montana  
(Buffalo Canyon Feeders LLC)

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at scales ranging from 1:20,000 to 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Fergus County, Montana

Survey Area Data: Version 20, Sep 16, 2019

Soil Survey Area: Judith Basin Area, Montana

Survey Area Data: Version 15, Sep 16, 2019

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Aug 28, 2014—Nov 7, 2016

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Map Unit Legend

| Map Unit Symbol | Map Unit Name   | Acres in AOI | Percent of AOI |
|-----------------|---|--------------|----------------|
| 12              | Adger-Nobe clays, 0 to 2 percent slopes                   | 5.9          | 0.1%           |
| 19              | Amor loam, 2 to 8 percent slopes                          | 23.9         | 0.5%           |
| 37              | Cabba-Doney-Wayden complex, 4 to 8 percent slopes         | 16.8         | 0.3%           |
| 53              | Daglum-Adger complex, 0 to 2 percent slopes               | 304.8        | 5.9%           |
| 54              | Daglum-Adger complex, 2 to 8 percent slopes               | 49.5         | 1.0%           |
| 70              | Doney-Winifred-Wayden complex, 15 to 45 percent slopes    | 16.8         | 0.3%           |
| 73              | Doughty-Judith loams, 2 to 8 percent slopes               | 98.2         | 1.9%           |
| 74              | Doughty-Judith cobbly loams, 2 to 4 percent slopes        | 17.5         | 0.3%           |
| 75              | Doughty-Sipple loams, 0 to 2 percent slopes               | 144.0        | 2.8%           |
| 78              | Eeltsac clay, 4 to 8 percent slopes                       | 30.3         | 0.6%           |
| 79              | Eeltsac-Lawther clays, 2 to 8 percent slopes              | 20.9         | 0.4%           |
| 105             | Fluvaquentic Haplaquolls, nearly level                    | 385.8        | 7.4%           |
| 107             | Gerber clay loam, 0 to 2 percent slopes                   | 92.4         | 1.8%           |
| 108             | Gerber clay loam, 2 to 4 percent slopes                   | 54.8         | 1.1%           |
| 127             | Judith gravelly loam, 2 to 4 percent slopes               | 45.1         | 0.9%           |
| 129             | Judith-Judell clay loams, 2 to 4 percent slopes           | 326.2        | 6.3%           |
| 130             | Judith-Tamaneen clay loams, 0 to 2 percent slopes         | 601.9        | 11.6%          |
| 133             | Judith-Windham gravelly clay loams, 2 to 8 percent slopes | 127.1        | 2.4%           |
| 145             | Lawther silty clay, 0 to 2 percent slopes                 | 175.2        | 3.4%           |
| 146             | Lawther silty clay, 2 to 4 percent slopes                 | 38.4         | 0.7%           |
| 151             | Linwell silty clay loam, 0 to 2 percent slopes            | 291.8        | 5.6%           |

| Map Unit Symbol                       | Map Unit Name                                       | Acres in AOI   | Percent of AOI |
|---------------------------------------|---|----------------|----------------|
| 153                                   | Linwell-Winifred clay loams, 4 to 8 percent slopes  | 59.0           | 1.1%           |
| 159                                   | Marcott silty clay loam                             | 103.8          | 2.0%           |
| 197                                   | Savage silty clay loam, 0 to 2 percent slopes       | 224.9          | 4.3%           |
| 210                                   | Straw clay loam, 0 to 2 percent slopes              | 306.2          | 5.9%           |
| 218                                   | Tamaneen clay loam, 0 to 2 percent slopes           | 13.0           | 0.3%           |
| 220                                   | Tamaneen-Judith clay loams, 0 to 2 percent slopes   | 5.4            | 0.1%           |
| 250                                   | Typic Haplaquolls, moderately sloping               | 6.7            | 0.1%           |
| 251                                   | Typic Ustifluvents, saline                          | 68.7           | 1.3%           |
| 270                                   | Winifred clay loam, 2 to 8 percent slopes           | 192.4          | 3.7%           |
| 272                                   | Winifred-Judith clay loams, 4 to 8 percent slopes   | 109.6          | 2.1%           |
| 273                                   | Winifred-Judith clay loams, 8 to 15 percent slopes  | 31.4           | 0.6%           |
| 274                                   | Winifred-Linwell clay loams, 8 to 15 percent slopes | 9.8            | 0.2%           |
| <b>Subtotals for Soil Survey Area</b> |   | <b>3,998.2</b> | <b>77.0%</b>   |
| <b>Totals for Area of Interest</b>    |   | <b>5,191.3</b> | <b>100.0%</b>  |

| Map Unit Symbol | Map Unit Name   | Acres in AOI | Percent of AOI |
|-----------------|---|--------------|----------------|
| Aa              | Absarokee clay loam, 2 to 8 percent slopes                | 33.3         | 0.6%           |
| Av              | Arvada-Laurel complex                                     | 11.1         | 0.2%           |
| Aw              | Arvada-Terrad clays                                       | 29.8         | 0.6%           |
| Bc              | Beckton-Arvada clay loams                                 | 7.9          | 0.2%           |
| Bf              | Beckton-Savage complex                                    | 69.5         | 1.3%           |
| Gb              | Gallatin loam   | 7.9          | 0.2%           |
| Gr              | Gallatin, Judell and Lamoure soils, 0 to 4 percent slopes | 54.0         | 1.0%           |
| Jf              | Judith clay loam, low terrace                             | 36.8         | 0.7%           |
| Mw              | Midway clay loam  | 13.8         | 0.3%           |
| Pc              | Pierre clay, 2 to 8 percent slopes                        | 15.6         | 0.3%           |
| Po              | Promise clay, 2 to 8 percent slopes                       | 236.5        | 4.6%           |
| Pp              | Promise clay, 8 to 15 percent slopes                      | 77.6         | 1.5%           |

| Map Unit Symbol                       | Map Unit Name                                 | Acres in AOI   | Percent of AOI |
|---------------------------------------|---|----------------|----------------|
| Sd                                    | Savage silty clay, 0 to 2 percent slopes      | 208.2          | 4.0%           |
| Sg                                    | Savage silty clay loam, 0 to 2 percent slopes | 75.8           | 1.5%           |
| Sw                                    | Straw clay loam, 0 to 2 percent slopes        | 50.4           | 1.0%           |
| Sx                                    | Straw clay loam, 2 to 4 percent slopes        | 160.6          | 3.1%           |
| Wc                                    | Winifred clay loam, 4 to 8 percent slopes     | 84.2           | 1.6%           |
| Wd                                    | Winifred clay loam, 8 to 15 percent slopes    | 20.0           | 0.4%           |
| <b>Subtotals for Soil Survey Area</b> |   | <b>1,193.1</b> | <b>23.0%</b>   |
| <b>Totals for Area of Interest</b>    |   | <b>5,191.3</b> | <b>100.0%</b>  |