



Legend

- Proposed Disturbance Area
- Proposed Working Pad Surface
- Proposed Access Road
- Proposed Pipeline

Soil Types

- WV

SOURCE: NRCS July 2020
Date: 4/23/2022

Project LocationAn inset map of southeastern Colorado showing county boundaries. A red star marks the project location in Las Animas County. Neighboring counties include El Paso, Lincoln, Cheyenne, Fremont, Pueblo, Crowley, Kiowa, Custer, Otero, Bent, Prowers, Huerfano, Costilla, and Baca. State boundaries for Colorado, New Mexico, and Oklahoma are also shown.

BNL (ENTERPRISE) INC.
BOLLING 04 SESW 2960
SEC 04 T29S R60W (SE/4 SE/4)
LAS ANIMAS COUNTY, CO
SOIL TYPES

A north arrow pointing upwards and a scale bar marked 0, 250, and 500 feet.

Prepared By: Redhawk GIS, LLC

Las Animas County Area, Colorado, Parts of Huerfano and Las Animas Counties

WV—Almagre-Villedry complex, 1 to 4 percent slopes

Map Unit Setting

National map unit symbol: 2rgqf
Elevation: 4,500 to 6,500 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 48 to 54 degrees F
Frost-free period: 125 to 170 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Almagre and similar soils: 47 percent
Villedry and similar soils: 35 percent
Minor components: 18 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Almagre

Setting

Landform: Interfluves
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loess over residuum weathered from sandstone

Typical profile

A - 0 to 5 inches: silt loam
BA - 5 to 9 inches: silt loam
Bt - 9 to 23 inches: silty clay loam
Btk - 23 to 30 inches: silty clay loam
Bk1 - 30 to 40 inches: silt loam
Bk2 - 40 to 50 inches: loam
R - 50 to 79 inches: bedrock

Properties and qualities

Slope: 1 to 4 percent
Depth to restrictive feature: 40 to 59 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 4 percent

Maximum salinity: Nonsaline to slightly saline (1.0 to 4.0 mmhos/cm)
Sodium adsorption ratio, maximum: 6.0
Available water supply, 0 to 60 inches: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4c
Hydrologic Soil Group: C
Ecological site: R069XY006CO - Loamy Plains, LRU's A and B
10-14 Inches, P.Z.
Forage suitability group: Loamy (G069XW017CO)
Other vegetative classification: Loamy Plains #6
(069XY006CO_2), Loamy (G069XW017CO)
Hydric soil rating: No

Description of Villedry

Setting

Landform: Interfluves
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Loess over residuum weathered from sandstone

Typical profile

A - 0 to 4 inches: silt loam
BA - 4 to 7 inches: silt loam
Bt - 7 to 15 inches: silty clay loam
Btk - 15 to 25 inches: silty clay loam
Bk1 - 25 to 33 inches: clay loam
2Bk2 - 33 to 38 inches: gravelly loam
R - 38 to 70 inches: bedrock

Properties and qualities

Slope: 1 to 4 percent
Depth to restrictive feature: 20 to 39 inches to lithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately high (0.00 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 40 percent
Gypsum, maximum content: 2 percent
Maximum salinity: Nonsaline to very slightly saline (1.0 to 3.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water supply, 0 to 60 inches: Moderate (about 6.6 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: C

Ecological site: R069XY006CO - Loamy Plains, LRU's A and B
10-14 Inches, P.Z.

Forage suitability group: Loamy (G069XW017CO)

Other vegetative classification: Loamy Plains #6
(069XY006CO_2), Loamy (G069XW017CO)

Hydric soil rating: No

Minor Components

Wilid

Percent of map unit: 10 percent

Landform: Interfluves

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R069XY006CO - Loamy Plains, LRU's A and B
10-14 Inches, P.Z.

Other vegetative classification: Loamy Plains #6 (069XY006CO_2),
Loamy (G069XW017CO)

Hydric soil rating: No

Travessilla

Percent of map unit: 6 percent

Landform: Scarps

Landform position (two-dimensional): Summit, shoulder

Landform position (three-dimensional): Crest

Down-slope shape: Convex

Across-slope shape: Convex

Ecological site: R069XY053CO - Sandstone Breaks LRU's A and B

Other vegetative classification: Needs Field Review
(G069XW050CO), Sandstone Breaks #53 (069XY053CO_2)

Hydric soil rating: No

Rock outcrop

Percent of map unit: 2 percent

Landform: Scarps

Hydric soil rating: No

Data Source Information

Soil Survey Area: Las Animas County Area, Colorado, Parts of Huerfano and
Las Animas Counties

Survey Area Data: Version 24, Aug 31, 2021

