

Cilli Federal 2G13-02
8N, R59W
Section 13: NWNE

Weld County, Colorado, Northern Part

40—Nunn loam, 0 to 6 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,700 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 115 to 180 days

Map Unit Composition

Nunn and similar soils: 85 percent
Minor components: 15 percent

Description of Nunn

Setting

Landform: Stream terraces, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Typical profile

H1 - 0 to 7 inches: neutral, loam
H2 - 7 to 23 inches: neutral, clay loam
H3 - 23 to 60 inches: strongly alkaline, clay loam
H4 - 60 to 64 inches: moderately alkaline, sandy clay loam

Properties and qualities

Slope: 0 to 6 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
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 in profile: 15 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 4c
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Manzanola

Percent of map unit: 8 percent

Avar

Percent of map unit: 7 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013

Lilli Federal LG13-02
T8N, R59W
Section 13: NW/NE

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Cill: Federal LC13-02
8N, R59W
Section 13: NWNE

65—Terry sandy loam, 3 to 9 percent slopes

Map Unit Setting

Elevation: 4,000 to 6,500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 180 days

Map Unit Composition

Terry and similar soils: 85 percent
Minor components: 15 percent

Description of Terry

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous sandy residuum weathered from sandstone

Typical profile

H1 - 0 to 5 inches: neutral, sandy loam
H2 - 0 to 5 inches: neutral, sandy loam
H2 - 0 to 5 inches: neutral, sandy loam
H3 - 0 to 5 inches: moderately alkaline, sandy loam
H3 - 0 to 5 inches: moderately alkaline, sandy loam
H3 - 0 to 5 inches: moderately alkaline, sandy loam
H4 - 0 to 5 inches: , sandy loam

Properties and qualities

Slope: 3 to 9 percent
Depth to restrictive feature: 20 to 40 inches to paralithic bedrock
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat):
Moderately low to high (0.06 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum in profile: 15 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 8.4 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: Sandy Plains (R067BY024CO)

Minor Components

Tassel

Percent of map unit: 5 percent

Olney

Percent of map unit: 4 percent

Vona

Percent of map unit: 3 percent

Renohill

Percent of map unit: 3 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 9, Dec 23, 2013

Lilli Federal LG 13-02
T 8N, R. 59W

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