

Rico LC29-72/HWA PAD
Tina LC29-73-1/HNK
Tribal LC29-73/HNB

Map Unit Description

Weld County, Colorado, Northern Part

T9R59W
Sec 29: SESE
Weld, CO

3 Argiustolls-Rock outcrop complex, 0 to 9 percent slopes

Setting

Elevation: 3500 to 7000 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 45 to 54 degrees F
Frost-free period: 80 to 150 days

Composition

Argiustolls and similar soils: 45 percent
Rock outcrop: 35 percent
Minor components: 20 percent

Description of Argiustolls

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silt loam sandy sandstone

Properties and Qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 20 to 60 inches to Lithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.2 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6s
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 60 inches: variable
60 to 64 inches: unweathered bedrock

Description of Rock outcrop

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandstone

Properties and Qualities

Slope: 0 to 9 percent
Depth to restrictive feature: 0 to 0 inches to Paralithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately low (0.00 to 0.06 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability classification (irrigated): 8s
Land capability (non irrigated): 8s

Typical Profile

0 to 60 inches: unweathered bedrock

Minor Components

Stoneham

Rico LC29-72HNA PAD
Tina LC29-73-1HNC
Trisha LC29-73HNB

Map Unit Description

Weld County, Colorado, Northern Part

T9W-R59W
Sec29:SESE
Weld, CO

Percent of map unit: 10 percent

Olney

Percent of map unit: 5 percent

Renohill

Percent of map unit: 5 percent

46 Otero sandy loam, 0 to 3 percent slopes

Setting

Elevation: 4500 to 5500 feet

Mean annual precipitation: 12 to 15 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 130 to 180 days

Composition

Otero and similar soils: 85 percent

Minor components: 15 percent

Description of Otero

Setting

Landform: Alluvial fans, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 3 percent

Drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate maximum: 10 percent

Gypsum maximum: 0 percent

Available water capacity: Moderate (about 7.7 inches)

Interpretive Groups

Land capability (non irrigated): 4e

Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 5 inches: sandy loam

5 to 60 inches: fine sandy loam, sandy loam

Minor Components

Stoneham

Percent of map unit: 5 percent

Bushman

Percent of map unit: 4 percent

Kim

Percent of map unit: 3 percent

Mitchell

Percent of map unit: 3 percent

Map Unit Description

Weld County, Colorado, Northern Part

29 Haverson loam, 0 to 3 percent slopes

Setting

Elevation: 3500 to 6000 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days

Composition

Haverson and similar soils: 90 percent
Minor components: 10 percent

Description of Haverson

Setting

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

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 1 percent
Available water capacity: High (about 9.6 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Overflow (R067BY036CO)
Other vegetative classification: OVERFLOW (067BY036CO)

Typical Profile

0 to 12 inches: loam
12 to 60 inches: stratified sandy loam to loam

Minor Components

Nunn

Percent of map unit: 6 percent

Fluvaquentic haplustolls

Percent of map unit: 4 percent
Landform: Terraces

Rico LC29-72-1HNA PAD
T9N-R59W
SECTION 29: SE SE
WELD, CO

ASSOCIATED WELLS:

Rico LC29-72-1HNA
TINA LC29-73-1HNC
TRISHA LC29-73HNB

EXISTING WELL:

PTASNIK LC29-72HN