

Map Unit Description

Weld County, Colorado, Northern Part

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

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Percent of map unit: 10 percent

Olney

Percent of map unit: 5 percent

Reno Hill

Percent of map unit: 5 percent

Rangeland Productivity and Plant Composition

Weld County, Colorado, Northern Part

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
3:						
Argiustolls	Loamy Plains	2,000	1,800	1,400	Western wheatgrass	20
Rock outcrop	---	---	---	---	---	---