

Map Unit Description

Weld County, Colorado, Northern Part

30 Keith loam, 0 to 6 percent slopes

Setting

Elevation: 5000 to 6000 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 150 days

Composition

Keith and similar soils: 83 percent
Minor components: 17 percent

Description of Keith

Setting

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

Properties and Qualities

Slope: 0 to 6 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: High (about 10.7 inches)

Interpretive Groups

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

Typical Profile

0 to 4 inches: loam
4 to 20 inches: silt loam
20 to 60 inches: silt loam

Minor Components

Weld

Percent of map unit: 8 percent

Wages

Percent of map unit: 4 percent

Kim

Percent of map unit: 3 percent

Mitchell

Percent of map unit: 2 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	
30: Keith	Loamy Plains	1,500	1,000	700	Western wheatgrass	20