

Map Unit Description

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

6 Battlement loam, saline, 1 to 8 percent slopes

Setting

Elevation: 5800 to 7200 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 42 to 46 degrees F
Frost-free period: 80 to 105 days

Composition

Battlement, saline, and similar soils: 90 percent

Description of Battlement, saline

Setting

Landform: Valley floors, streams, flood plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from siltstone and/or alluvium derived from limestone, sandstone, and shale

Properties and Qualities

Slope: 1 to 8 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 1.98 in/hr)
Frequency of flooding: Rare
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Salinity maximum: Very slightly saline or slightly saline (4.0 to 8.0 mmhos/cm)
Available water capacity: Moderate (about 8.8 inches)

Interpretive Groups

Land capability classification (irrigated): 4s
Land capability (non irrigated): 6s
Ecological site: Salt Meadow (R034XY266CO)

Typical Profile

0 to 6 inches: loam
6 to 15 inches: fine sandy loam
15 to 60 inches: stratified sandy loam to silty clay loam