

Weld County, Colorado, Southern Part

35—Loup-Boel loamy sands, 0 to 3 percent slopes

Map Unit Setting

Elevation: 4,550 to 4,750 feet

Mean annual precipitation: 11 to 15 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 130 to 180 days

Map Unit Composition

Loup and similar soils: 55 percent

Boel and similar soils: 35 percent

Minor components: 10 percent

Description of Loup

Setting

Landform: Swales, drainageways, streams

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy alluvium

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Poorly drained

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)

Depth to water table: About 0 to 18 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Available water capacity: Low (about 5.2 inches)

Interpretive groups

Land capability classification (irrigated): 4w

Land capability (nonirrigated): 6w

Ecological site: Sandy Meadow (R067BY029CO)

Typical profile

0 to 16 inches: Loamy sand

16 to 40 inches: Loamy sand

40 to 60 inches: Sandy loam

Description of Boel

Setting

Landform: Drainageways, streams, swales

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Stratified sandy alluvium

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat poorly drained

Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)

Depth to water table: About 18 to 36 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Available water capacity: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): 4w

Land capability (nonirrigated): 6w

Ecological site: Sandy Meadow (R067BY029CO)

Typical profile

0 to 14 inches: Loamy sand

14 to 60 inches: Loamy sand

Minor Components

Osgood

Percent of map unit: 5 percent

Valent

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 11, Aug 27, 2009