

# Map Unit Description

Rio Blanco County Area, Colorado

## 48 Kobar silty clay loam, 3 to 8 percent slopes

### Setting

Elevation: 5800 to 7200 feet  
Mean annual precipitation: 15 to 18 inches  
Mean annual air temperature: 42 to 45 degrees F  
Frost-free period: 85 to 105 days

### Composition

Kobar and similar soils: 85 percent  
Minor components: 15 percent

### Description of Kobar

#### Setting

Landform: Fans, valley floors  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous alluvium derived from shale

#### Properties and Qualities

Slope: 3 to 8 percent  
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: 15 percent  
Gypsum maximum: 5 percent  
Sodium adsorption ratio maximum: 13.0  
Available water capacity: High (about 9.8 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 3e  
Ecological site: Deep Clay Loam (R048AY247CO)

#### Typical Profile

0 to 12 inches: silty clay loam  
12 to 60 inches: silty clay loam, silty clay, clay

### Minor Components

#### Other soils

Percent of map unit: 15 percent