

# Map Unit Description

Mesa County Area, Colorado

## 71U Abra-Barx complex, 3 to 12 percent slopes

### Setting

Elevation: 4900 to 6000 feet  
Mean annual precipitation: 9 to 12 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 110 to 150 days

### Composition

Abra and similar soils: 60 percent  
Barx and similar soils: 20 percent

### Description of Abra

#### Setting

Landform: Fan terraces, alluvial fans  
Down-slope shape: Convex  
Across-slope shape: Linear  
Parent material: Alluvium derived from sandstone and/or alluvium derived from conglomerate

#### Properties and Qualities

Slope: 5 to 15 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 30 percent  
Gypsum maximum: 1 percent  
Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)  
Sodium adsorption ratio maximum: 2.0  
Available water capacity: Moderate (about 8.2 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Semidesert Loam (Wyoming Big S (R034XY212UT))

#### Typical Profile

0 to 2 inches: fine sandy loam  
2 to 7 inches: fine sandy loam  
7 to 15 inches: fine sandy loam  
15 to 23 inches: sandy clay loam  
23 to 38 inches: sandy loam  
38 to 60 inches: sandy clay loam

### Description of Barx

#### Setting

Landform: Fan terraces, alluvial fans  
Down-slope shape: Convex  
Across-slope shape: Linear  
Parent material: Alluvium derived from sandstone

#### Properties and Qualities

Slope: 1 to 5 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 25 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.1 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Semidesert Loam (Wyoming Big S (R034XY212UT))

#### Typical Profile

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0 to 2 inches: fine sandy loam  
2 to 6 inches: clay loam  
6 to 13 inches: clay loam  
13 to 22 inches: loam  
22 to 33 inches: sandy clay loam  
33 to 60 inches: sandy loam