

# Map Unit Description

Cortez Area, Colorado, Parts of Dolores and Montezuma Counties

144 Wetherill loam, 3 to 6 percent slopes

## Setting

Elevation: 6200 to 7400 feet  
Mean annual precipitation: 13 to 16 inches  
Mean annual air temperature: 46 to 50 degrees F  
Frost-free period: 100 to 120 days

## Composition

Wetherill and similar soils: 85 percent  
Minor components: 3 percent

## Description of Wetherill

### Setting

Landform: Hills, mesas  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits derived from sandstone

### Properties and Qualities

Slope: 3 to 6 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: 30 percent  
Gypsum maximum: 0 percent  
Sodium adsorption ratio maximum: 4.0  
Available water capacity: High (about 11.0 inches)

### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 3e  
Ecological site: Loamy Foothills (R036XY284CO)

### Typical Profile

0 to 3 inches: loam  
3 to 7 inches: loam  
7 to 48 inches: clay loam  
48 to 60 inches: loam

## Minor Components

### Aquents

Percent of map unit: 3 percent  
Landform: Drainageways

# Map Unit Description

Cortez Area, Colorado, Parts of Dolores and Montezuma Counties

## 116 Sharps-Cahona complex, 6 to 12 percent slopes

### Setting

Elevation: 6200 to 7400 feet  
Mean annual precipitation: 13 to 16 inches  
Mean annual air temperature: 46 to 50 degrees F  
Frost-free period: 100 to 120 days

### Composition

Sharps and similar soils: 45 percent  
Cahona and similar soils: 40 percent  
Minor components: 2 percent

### Description of Sharps

#### Setting

Landform: Mesas, hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits derived from sandstone

#### Properties and Qualities

Slope: 6 to 12 percent  
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately high (0.00 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.5 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Foothills (R036XY284CO)

#### Typical Profile

0 to 9 inches: loam  
9 to 19 inches: clay loam  
19 to 30 inches: loam  
30 to 40 inches: weathered bedrock

### Description of Cahona

#### Setting

Landform: Mesas, hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits derived from sandstone

#### Properties and Qualities

Slope: 6 to 12 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: 50 percent  
Gypsum maximum: 0 percent  
Sodium adsorption ratio maximum: 4.0  
Available water capacity: High (about 11.0 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Foothills (R036XY284CO)

## Map Unit Description

Cortez Area, Colorado, Parts of Dolores and Montezuma Counties

### Typical Profile

0 to 5 inches: loam

5 to 25 inches: clay loam

25 to 60 inches: loam

### Minor Components

#### Aquents

Percent of map unit: 2 percent

Landform: Drainageways