

## Archuleta County Area, Colorado

### XT0-E—Bondad-Xeto complex, 12 to 60 percent slopes

#### Map Unit Setting

*National map unit symbol:* ssj1

*Elevation:* 6,000 to 6,700 feet

*Mean annual precipitation:* 13 to 16 inches

*Mean annual air temperature:* 47 to 50 degrees F

*Frost-free period:* 110 to 130 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Xeto and similar soils:* 45 percent

*Bondad and similar soils:* 35 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Xeto

##### Setting

*Landform:* Paleoterraces, hills

*Landform position (three-dimensional):* Side slope, riser

*Down-slope shape:* Linear

*Across-slope shape:* Linear, concave, convex

*Parent material:* Old alluvium derived from mixed sources but mostly from sandstone

##### Typical profile

*A - 0 to 5 inches:* extremely cobbly loam

*Bk1 - 5 to 20 inches:* extremely cobbly loamy sand

*Bk2 - 20 to 31 inches:* extremely cobbly sand

*2Cr - 31 to 41 inches:* bedrock

##### Properties and qualities

*Slope:* 12 to 60 percent

*Depth to restrictive feature:* 20 to 40 inches to paralithic bedrock

*Natural drainage class:* Well drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 25 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Very low (about 1.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* C

*Ecological site:* Pinus edulis-juniperus osteosperma/artemisia  
tridentata ssp. vaseyana-cercocarpus montanus/poa  
fendleriana-pleuraphis jamesii (F036XY927CO)

## Description of Bondad

### Setting

*Landform:* Paleoterraces, hills

*Landform position (three-dimensional):* Side slope, riser

*Down-slope shape:* Linear

*Across-slope shape:* Linear, concave, convex

*Parent material:* Old alluvium derived from mixed sources but mostly  
from sandstone

### Typical profile

*A - 0 to 6 inches:* very cobbly loam

*Bk1 - 6 to 26 inches:* extremely cobbly sandy loam

*Bk2 - 26 to 46 inches:* extremely cobbly sandy loam

*Bk3 - 46 to 72 inches:* extremely cobbly loamy sand

### Properties and qualities

*Slope:* 12 to 60 percent

*Percent of area covered with surface fragments:* 10.0 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Medium

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

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 30 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to  
2.0 mmhos/cm)

*Available water storage in profile:* Low (about 3.6 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7e

*Hydrologic Soil Group:* A

*Ecological site:* Pinus edulis-juniperus osteosperma/artemisia  
tridentata ssp. vaseyana-cercocarpus montanus/poa  
fendleriana-pleuraphis jamesii (F036XY927CO)

## Data Source Information

Soil Survey Area: Archuleta County Area, Colorado

Survey Area Data: Version 8, Sep 22, 2014