

Map Unit Description

Las Animas County Area, Colorado, Parts of Huerfano and Las Animas Counties

GA Gulnare-Allens Park complex, 5 to 35 percent slopes

Setting

Landscape: Foothills
Elevation: 6800 to 8500 feet
Mean annual precipitation: 17 to 22 inches
Mean annual air temperature: 43 to 46 degrees F
Frost-free period: 80 to 100 days

Composition

Gulnare and similar soils: 50 percent
Allens park and similar soils: 35 percent
Minor components: 15 percent

Description of Gulnare

Setting

Landform: Hills
Landform position (two-dimensional): Backslope, shoulder, summit
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Slope alluvium and residuum weathered from sandstone

Properties and Qualities

Slope: 5 to 35 percent
Surface area covered with stones and boulders: 8.0 percent
Depth to restrictive feature: 10 to 20 inches to Lithic bedrock
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: 0 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 2.0
Available water capacity: Very low (about 2.6 inches)

Interpretive Groups

Land capability (non irrigated): 7e
Ecological site: Pinus ponderosa-Juniperus scop (F048AY011NM)
Other vegetative classification: ponderosa pine/mountain muhly (Pipo/Mumo)

Typical Profile

0 to 2 inches: slightly decomposed plant material
2 to 5 inches: loam
5 to 13 inches: gravelly clay loam
13 to 18 inches: gravelly sandy clay loam
18 to 19 inches: bedrock
19 to 60 inches: bedrock

Description of Allens park

Setting

Landform: Hills
Landform position (two-dimensional): Backslope, footslope, summit
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Slope alluvium and residuum weathered from sandstone

Properties and Qualities

Slope: 5 to 25 percent
Surface area covered with stones and boulders: 1.0 percent
Depth to restrictive feature: 20 to 40 inches to Lithic bedrock
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: 0 percent

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Gypsum maximum: 0 percent
Available water capacity: Low (about 3.1 inches)

Interpretive Groups

Land capability (non irrigated): 6e
Ecological site: Pinus ponderosa-Juniperus scop (F048AY011NM)
Other vegetative classification: ponderosa pine/mountain muhly (Pipo/Mumo)

Typical Profile

0 to 5 inches: sandy loam
5 to 10 inches: sandy loam
10 to 16 inches: sandy clay loam
16 to 20 inches: sandy clay loam
20 to 24 inches: gravelly sandy clay loam
24 to 26 inches: bedrock
26 to 60 inches: bedrock

Minor Components

Stout soils

Percent of map unit: 10 percent
Landform: Hills
Landform position (two-dimensional): Shoulder
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: Pinus ponderosa-Juniperus scop (F048AY011NM)
Other vegetative classification: ponderosa pine/mountain muhly (Pipo/Mumo)

Littlepine soils

Percent of map unit: 5 percent
Landform: Fan remnants, hills
Landform position (two-dimensional): Backslope, footslope
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: Pinus ponderosa-Juniperus scop (F048AY011NM)
Other vegetative classification: ponderosa pine/mountain muhly (Pipo/Mumo)