

Major Land Resource Area 041X

Madrean Archipelago

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Ecological site group keys

16-20" PZ within Land Resource Unit 41.AZ1, Mexican Oak-Pine Forest and Oak Savannah

- I. Flooded (bottom position, flooded from the valley-side or over-bank)
 - A. Soils with a perennial high water-table (3-15 ft.)
 - 1 Soils sandy and gravelly with redox features
 - 2 Soils loamy to clayey with redox features
 - B. Soils with seasonal (summer) water table (3-15 ft.)
 - 1 Soils sandy loam to clay loam
 - C. Soils without a high water table (3-15 ft.)
 - 1 Soils sandy
 - 2 Soils sandy loam to clay loam
 - 3 Soils clayey (vertic)
- II. Not Flooded (upland position, receives only precipitation)
 - A. Slopes less than 15%
 - 1 Soils calcareous throughout
 - a. Soils shallow (less than 20 inches deep)
 - 1 Soils with a lime cemented hardpan
 - b. Soils moderately deep to deep (30 to 60 inches)
 - 1 Soils with an argillic horizon
 - 2 Soils non calcareous in upper 10 inches
 - a. Soils shallow (less than 20 inches deep)
 - 1 Soils underlain by granite, schist, rhyolite bedrock
 - b. Soils moderately deep to deep (30 to 60 inches)
 - 1 Soils without an argillic horizon
 - a. Soils loamy fine sand to sandy loam
 - 2 Soils with an argillic horizon
 - a. Soils with sandy loam surface 4 in. or thicker
 - b. Soils with sandy loam surface less than 4 in.
 - c. Soils with clay loam surface (not vertic)
 - d. Soils with a clayey surface (vertic)
 - B. Slopes greater than 15%
 - 1 Soils shallow (less than 20 inches deep)
 - a. Soils calcareous throughout
 - 1 Soils over limestone parent materials
 - b. Soils non calcareous
 - 1 Soils over granite, schist, gneiss, rhyolite (acid igneous)

2 Soils over basalt, andesite, welded tuff (basic igneous)

2 Soils moderately deep and deep (30 to 60 inches)

a. Soils calcareous throughout

1 Soils dark colored in the surface 5 inches (10YR, 4/2)

b. Soils non calcareous in the upper 10 inches

1 Soils sandy loam to clay loam

2 Soils clayey

3 Add criteria