

# 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

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- 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