

#6 *Quercus arizonica* / *Bouteloua curtipendula* Scrub Woodland Association

Arizona white oak / Sideoats grama Scrub Woodland Association

This woodland community is characterized by a moderately dense (28%) tree canopy (>2 m) dominated by Arizona white oak (*Quercus arizonica*) with a diverse matrix of perennial grasses in the field stratum (<0.5 m). Arizona white oak (*Q. arizonica*) is typically present as a small tree with heights ranging from 3 to 5 meters. Overall, this species provides consistent cover around 20%, but may reach 45% within some examples. Numerous additional canopy tree species are scattered throughout this type, including Emory oak (*Quercus emoryi*), silverleaf oak (*Quercus hypoleucoides*), border pinyon (*Pinus discolor*), and alligator juniper (*Juniperus deppeana*).

The subcanopy stratum (0.5–2 m) is characterized by an inconsistent, low-cover (<10%) mix of shrubs and succulents with no species clearly dominant, or common associates. The field stratum (<0.5 m) is characterized by a sparse (13%) but diverse mix of native perennial grasses dominated by single threeawn (*Aristida schiedeana*), sideoats grama (*Bouteloua curtipendula*), and bullgrass (*Muhlenbergia emersleyi*).

Common species

Quercus arizonica

Quercus emoryi

Quercus hypoleucoides

Pinus discolor

Juniperus deppeana

Overall, this community covers 4.4% (86 ha, 213 ac) of the park, mainly on steep (>50%) south- and north-facing mountain backslopes at 1,730–2,380 meters (5,675–7,808 ft). The primary examples of this community are at the western end of Montezuma Canyon and in the northwest corner of the park.

