

#12 *Quercus arizonica* - *Quercus hypoleuroides* Shrubland Association (P)

Arizona white oak - Silverleaf oak Shrubland Association

This shrubland community is characterized by a dense (40%) subcanopy stratum (0.5–2 m) co-dominated by Arizona white oak (*Quercus arizonica*) and silverleaf oak (*Quercus hypoleuroides*). These species are present as large shrubs (2 m) to small, shrubby trees (3 m) providing a variable 20% and 17% cover, respectively. Local dominance is often shared by both species, but there are numerous inclusions where either one can be the sole dominant with cover approaching 40%. Wright's silktassel (*Garrya wrightii*) is the next most-common associate shrub, providing around 2% cover. Fragrant sumac (*Rhus aromatica*), common sotol (*Dasyliirion wheeleri*), yucca (*Yucca madrensis*), California brickellbush (*Brickellia californica*), Sonoran scrub oak (*Quercus tubinella*), and beargrass (*Nolina microcarpa*) are sparse associates, with cover less than 1%. The field stratum (<0.5 m) is generally sparse (<10%), with only bullgrass (*Muhlenbergia emersleyi*) providing noteworthy cover.

Common species

Quercus arizonica
Quercus hypoleuroides
Garrya wrightii
Muhlenbergia emersleyi

Overall, this community covers 1.6% (31 ha, 77 ac) of the park, mainly on steep (40–75%) mountain backslopes of varying aspects at 1,900–2,330 meters (6,233–7,644 ft). The primary examples of this community are on the north slopes of Montezuma Peak and the high, north-facing backslopes of Montezuma Canyon.

