

75. *Pinus arizonica* / *Quercus hypoleucoides* Woodland Association (P)

Arizona pine / Silverleaf oak Woodland Association (P)

This woodland community is characterized by a variably dense (30–65% cover) upper canopy (>5 m) dominated by Arizona pine (*Pinus arizonica*) and silverleaf oak (*Quercus hypoleucoides*) with a variable understory typically composed of additional oak species. Arizona pine (*P. arizonica*) is present as large (10–30 m) trees with variable cover ranging from 10% to 45%, with an average around 30%. Silverleaf oak (*Q. hypoleucoides*) provides very consistent (1.0) presence, often as a co-dominant or sub-dominant to Arizona pine (*P. arizonica*). This species is typically present as medium-sized (5–15 m) trees with cover ranging from a sparse associate with <5% cover to a co-dominant with some inclusions up to 40%. On average, this species provides around 17% cover across the broader community. The lower canopy (2–5 m) is dominated by shorter, sometimes shrubby versions of the upper-canopy oaks and junipers. The subcanopy stratum (0.5–2 m) is generally quite sparse (<5% cover), with no consistent dominants or associates. The sparse (<10 [15]% cover) field stratum (<0.5 m) is characterized by the consistent presence (0.88) of longtongue muhly (*Muhlenbergia longiligula*) and a diverse mix of associate grasses and forbs.

Common species

- *Pinus arizonica*
- *Quercus hypoleucoides*
- *Muhlenbergia longiligula*

This community covers 2.6% (706 ha/1,744 ac) of the Rincon Mountain District and is found throughout the trail system that surrounds Manning Camp, on the slopes below Reef Rock, and on the upper slopes of Heartbreak Ridge. It is typically found on mountain backslopes of variable grade (10–50+%) with a southern or eastern aspect from 2,140 to 2,480 meters (7,000–8,140 ft). The surface cover is characterized by moderately deep and well-drained loam underlying a thick layer of pine-needle litter and duff with patchy boulders and bedrock outcrops. The parent material is a mix of quartz monzonite and mica schist.



