

92. *Pinus ponderosa* - *Pinus strobiformis* Forest Association

Ponderosa pine - Southwestern white pine Forest Association

This forest community is characterized by a variably dense (40–80% cover) upper canopy (>5 m) solely dominated by ponderosa pine (*Pinus ponderosa*), with a sparse understory containing no consistent dominants or common associates. Ponderosa pine (*P. ponderosa*) is present as large (10–20 m) trees with variable cover of 30–70%. Other documented tree species include southwestern white pine (*Pinus strobiformis*), Gambel oak (*Quercus gambelii*), Chihuahuan pine (*Pinus leiophylla*), alligator juniper (*Juniperus deppeana*), silverleaf oak (*Quercus hypoleucoides*), Arizona white oak (*Quercus arizonica*), and netleaf oak (*Quercus rugosa*). The sparse (<5% cover) understory may include mountain snowberry (*Symphoricarpos oreophilus*), Fendler's ceanothus (*Ceanothus fendleri*), California buckthorn (*Frangula californica*), screwleaf muhly (*Muhlenbergia virescens*), muttongrass (*Poa fendleriana*), White Mountain sedge (*Carex geophila*), Arizona wheatgrass (*Elymus arizonica*), fringed brome (*Bromus ciliatus*), Pringle's speargrass (*Piptochaetium pringlei*), and prairie Junegrass (*Koeleria macrantha*).

This community is contained within a two-association map class that covers 0.7% (192 ha/474 ac) of the Rincon Mountain District and is present throughout the trail system that surrounds Manning Camp and Devil's Bathtub, with some occurrences on the south side of Rincon Peak. It is found on moderate (20%) to steep (50+%) slopes of varying aspects from 1,700 to 2,522 meters (5,577–8,274 ft). The surface cover is dominated by moderately deep and well-drained sandy 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.

Common species

- *Pinus ponderosa*
- *Pinus strobiformis*
- *Quercus gambelii*



