

67. *Pinus discolor* / *Arctostaphylos (pungens - pringlei)* Wooded Shrubland Association (P)

Border pinyon / Manzanita (pointleaf - Pringle's) Wooded Shrubland Association (P)

This wooded shrubland community is characterized by an open (10–30% cover) canopy stratum (>2 m) solely dominated by border pinyon (*Pinus discolor*), a variably dense (15–40% cover) subcanopy stratum (0.5–2 m) dominated by pointleaf manzanita (*Arctostaphylos pungens*) and Pringle's manzanita (*Arctostaphylos pungens*), and a very sparse (<<5%) field stratum (<0.5 m) without any consistent dominants or associates. This community forms a mosaic pattern, with formations ranging from moderately dense woodlands to sparsely wooded shrublands, or areas of shrub and tree co-dominance. Border pinyon (*P. discolor*) is a very consistent canopy dominant (1.0) with individuals 5 [7] meters tall providing cover from 5% in the shrub-dominated areas to 25% in the woodland version. On average, this species provides 15% canopy cover across the community. Other noteworthy species include Wright's silk tassel (*Garrya wrightii*), beargrass (*Nolina microcarpa*), California brickellbush (*Brickellia californica*), yucca (*Yucca madrensis*), netleaf oak (*Quercus rugosa*), and bullgrass (*Muhlenbergia emersleyi*).

This community covers 0.25% (69 ha/170 ac) of the Rincon Mountain District and is distributed throughout the upper, mid-elevation regions of the park, from the slopes of Rincon Peak to Tanque Verde Ridge. It is typically found on backslopes of variable grade (6–50%) and aspect, from 1,900 to 2,200 meters (6,233–7,217 ft). The surface cover is characterized by shallow to very shallow, well-drained skeletal loam underlying a variable mix of gravel, bare soil, and litter, depending on the canopy density and dominance of oak species. Bedrock outcrops are very common throughout this community, occasionally dominating the surface cover, and are typically composed of gneissic quartz monzonite.

Common species

- *Pinus discolor*
- *Arctostaphylos pungens*
- *Arctostaphylos pringlei*



