

**48. *Prosopis velutina* / *Ziziphus obtusifolia* - *Condalia warnockii* Woodland Association (P)**

Velvet mesquite / Lotebush - Warnock's snakewood Woodland Association (P)

This community is characterized by a dense (40–50+% cover) canopy stratum (>2 m) solely dominated by velvet mesquite (*Prosopis velutina*), with a variable (5–20% cover) understory of lotebush (*Ziziphus obtusifolia*) and Warnock's snakewood (*Condalia warnockii*). Velvet mesquite (*P. velutina*) is consistently (1.0) present as large (5+ m), single-stemmed trees, often with broad canopies (10 m), that provide all documented cover in the canopy stratum. The subcanopy (0.5–2 m) is characterized by the consistent (1.0) co-dominance of lotebush (*Z. obtusifolia*) and Warnock's snakewood (*C. warnockii*). In general, these species provide similar low cover throughout, with an average around 4% each. Other documented associate shrubs include creosote (*Larrea tridentata*), catclaw acacia (*Senegalia greggii*), fourwing saltbush (*Atriplex canescens*), and whitethorn acacia (*Vachellia constricta*). These species all provide sparse cover (<1%) that rarely competes with the subcanopy dominants. The field stratum is quite sparse (<8% cover), with only a suite of annuals, most notably carelessness (*Amaranthus palmeri*), providing noteworthy cover.

**Common species**

- *Prosopis velutina*
- *Ziziphus obtusifolia*
- *Condalia warnockii*

The community covers 0.05% (13 ha/32 ac) of the Rincon Mountain District and was documented within the floodplains adjacent to Monument Wash in the northern portions of the Cactus Forest. This woodland is restricted to very low-angle (<5%) floodplains around 800 meters (2,624 ft). The surface cover is characterized by deep, well-drained, fine to coarse loamy soil and silt underlying a dominant layer of litter.





