

10. (*Parkinsonia microphylla* - *Fouquieria splendens*) / *Encelia farinosa* (*Cottisia gracilis*) Shrubland Association (P)

(Yellow paloverde - Ocotillo) / Brittlebush (Slender janusia) Shrubland Association (P)

This shrubland association is characterized by a sparse (<10% cover) canopy (>2 m) of yellow paloverde (*Parkinsonia microphylla*) and ocotillo (*Fouquieria splendens*), with a variable (8–35% cover) field layer (<0.5 m) dominated by brittlebush (*Encelia farinosa*) and slender janusia (*Cottisia gracilis*). Ocotillo (*F. splendens*) is a very consistent (>0.9) common associate, with individuals 3–4 meters tall providing around 1–3 [8]% cover throughout. Yellow paloverde (*P. microphylla*) is also a consistent (1.0) associate that rarely surpasses 5% cover. Saguaros (*Carnegiea gigantea*) are present throughout this community (1.0) but contribute little (1%) to overall vegetation cover. The subcanopy stratum is primarily characterized by a mix of low-cover associate shrubs and succulents. At the Rincon Mountain District (RMD), cactus apple (*Opuntia engelmannii*) is a patchy (0.66) associate that, when present, provides cover ranging up to 5%. This species is less common (0.42) and provides less cover (<1%) at the Tucson Mountain District (TMD). The field stratum is characterized by the dominance of brittlebush (*E. farinosa*), which is the most consistent (1.0) and highest-cover (5–10 [20]%) species in this community. Slender janusia (*C. gracilis*) is the next most-dominant species, providing consistent (>0.8) cover averaging around 3% across the community.

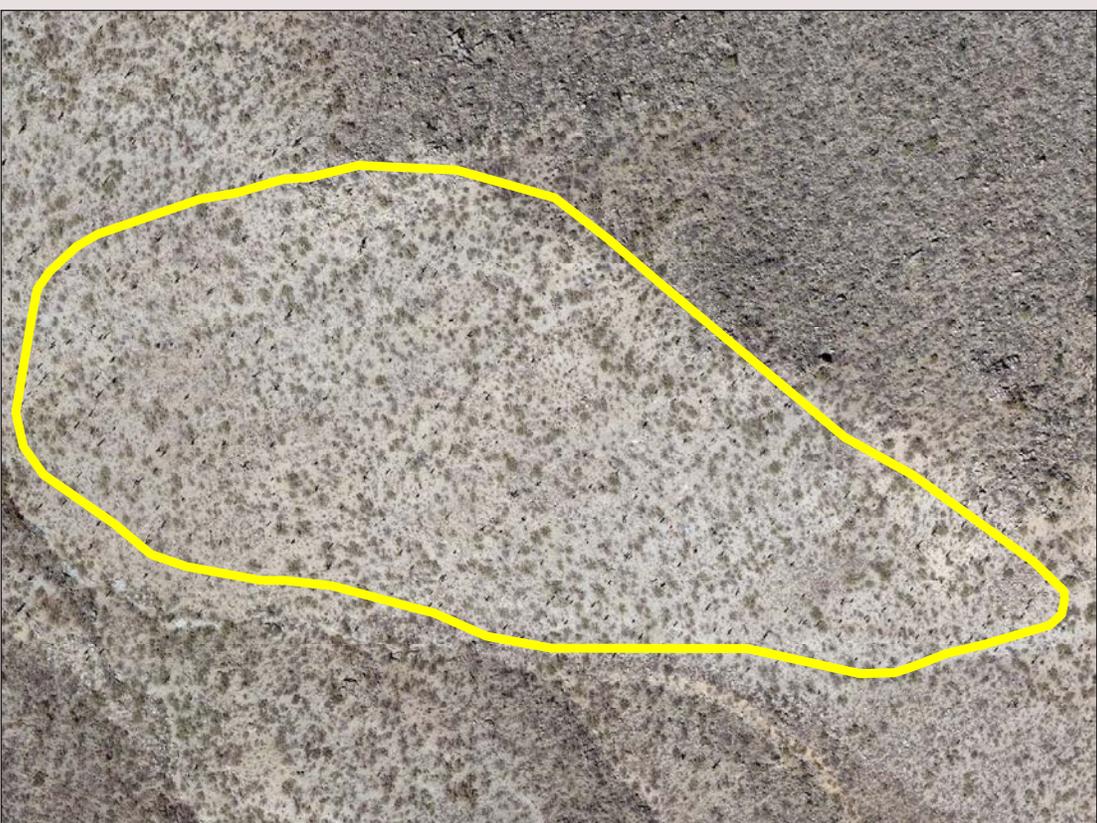
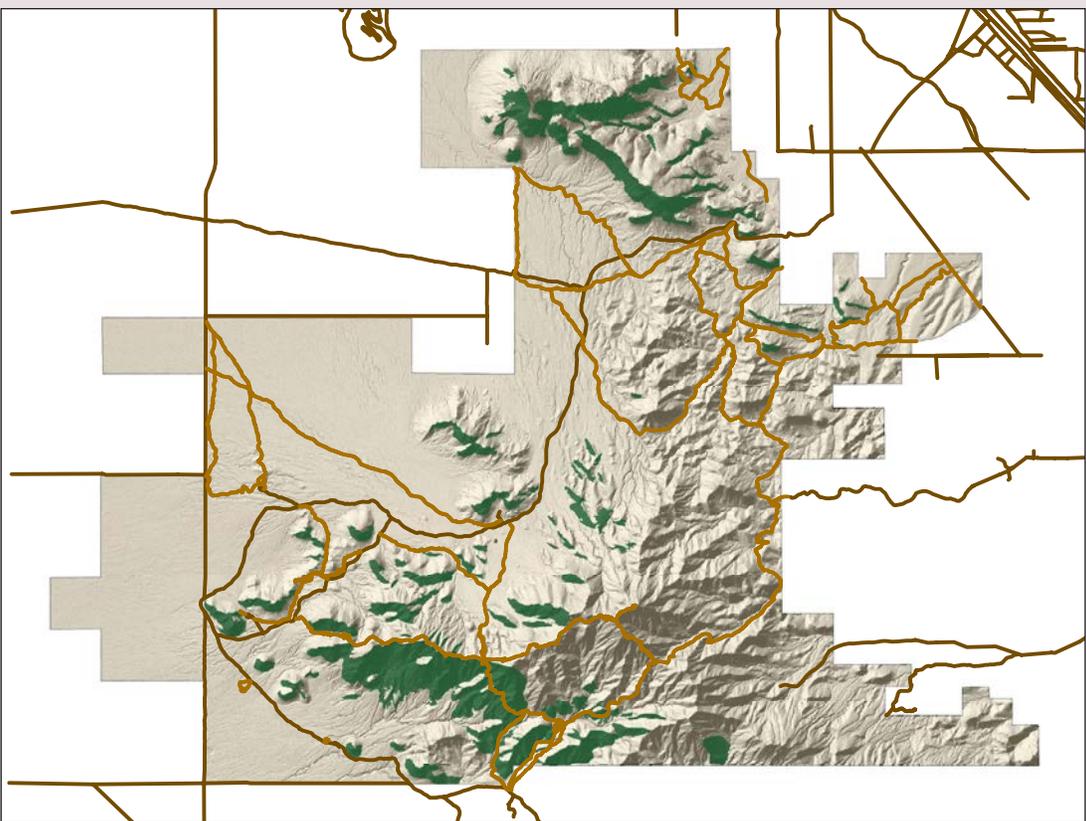
Common species

- *Parkinsonia microphylla*
- *Fouquieria splendens*
- *Encelia farinosa*
- *Cottisia gracilis*

This shrubland is contained within a two-association map class that covers 8% (833 ha/2,058 ac) of the TMD. It is widely distributed across the slopes southwest of Wasson Peak and south of Safford Peak. This community prefers steep, exposed, south-facing slopes from 840 to 1,470 meters (2,755–4,822 ft). The ground surface is covered with very coarse gravel and rock, with vast expanses of bedrock outcrops/shelves.

This association is one of five found in both the TMD and the RMD.





10. (*Parkinsonia microphylla* - *Fouquieria splendens*) / *Encelia farinosa* (*Cottisia gracilis*) Shrubland Association (P)

(Yellow paloverde - Ocotillo) / Brittlebush (Slender janusia) Shrubland Association (P)

This shrubland association is characterized by a sparse (<10% cover) canopy (>2 m) of yellow paloverde (*Parkinsonia microphylla*) and ocotillo (*Fouquieria splendens*), with a variable (8–35% cover) field layer (<0.5 m) dominated by brittlebush (*Encelia farinosa*) and slender janusia (*Cottisia gracilis*). Ocotillo (*F. splendens*) is a very consistent (>0.9) common associate, with individuals 3–4 meters tall providing around 1–3 [8] % cover throughout. Yellow paloverde (*P. microphylla*) is also a consistent (1.0) associate that rarely surpasses 5% cover. Saguaros (*Carnegiea gigantea*) are present throughout this community (1.0) but contribute little (1%) to overall vegetation cover. The subcanopy stratum (0.5–2 m) is primarily characterized by a mix of low-cover associate shrubs and succulents. At the Rincon Mountain District (RMD), cactus apple (*O. engelmannii*) is a patchy (0.66) associate that, when present, provides cover ranging up to 5%. The field stratum is characterized by the dominance of brittlebush (*E. farinosa*), which is the most-consistent (1.0) and highest-cover (5–10 [20]%) species in this community. Slender janusia (*C. gracilis*) is the next most-dominant species, providing consistent (>0.8) cover averaging around 3% across the community.

Common species

- *Parkinsonia microphylla*
- *Fouquieria splendens*
- *Encelia farinosa*
- *Cottisia gracilis*

This shrubland is contained within a two-association map class that covers 12% (3,225 ha/7,969 ac) of the RMD. At the RMD, this community is widespread throughout the low slopes of Tanque Verde Ridge and above the Madrona ranger station. This community prefers steep, exposed, south-facing slopes from 840 to 1,470 meters (2,755–4,822 ft). The ground surface is covered with very coarse gravel and rock with vast expanses of bedrock outcrops/shelves.

This association is one of five found in both the RMD and the Tucson Mountain District.



