

#13 *Quercus rugosa* (*Quercus hypoleucoides*) Shrubland Association (P)

Netleaf oak (Silverleaf oak) Shrubland Association

This shrubland community is characterized by a dense (30–40%) subcanopy stratum (0.5–2 m) dominated by netleaf oak (*Quercus rugosa*) with one common associate, silverleaf oak (*Quercus hypoleucoides*). Netleaf oak (*Q. rugosa*) and silverleaf oak (*Q. hypoleucoides*) are present as large shrubs (2 m) to small, shrubby trees (3 m) providing an average of 30% and 5% cover, respectively. At times, silverleaf oak (*Q. hypoleucoides*) can provide inclusions where it becomes co-dominant with or more dominant than netleaf oak (*Q. rugosa*). Wright's silktassel (*Garrya wrightii*) and beargrass (*Nolina microcarpa*) are the next most-common shrubs, with each providing around 2% cover throughout. The field stratum (<0.5 m) is generally sparse (<5%), with only bullgrass (*Muhlenbergia emersleyi*) and longtongue muhly (*Muhlenbergia longiligula*) providing noteworthy cover.

Common species

Quercus rugosa
Quercus hypoleucoides
Garrya wrightii
Muhlenbergia emersleyi
Muhlenbergia longiligula

Overall, this community covers 1.2% (22 ha, 54 ac) of the park, primarily on steep (40–75%) mountain back-slopes of variable aspects at 1,840–2,330 meters (6,000–7,644 ft). The primary examples of this community are on the northeast slopes of Montezuma Peak and in the northwest corner of the park.

