

***Psorothamnus arborescens* var. *pubescens* (Parish) Barneby**
Marble Canyon Dalea

Family: Fabaceae

Synonyms: None

NESL Status: G4

Federal Status: None

Plant Description: Armed shrubs 4-10 dm tall; leaves 1.4-3.8cm long, leaflets 7-15, glandular beneath, strigose on both sides. Racemes 11-21 flowered, 1.8-4.5cm long. Calyx 8-10mm long, the tube 3.8-4.8mm long, 10-ribbed, villous, the teeth 3.6-5.2mm long, linear-lanceolate, as long as the tube; flowers 8.1-10.6 mm long, indigo; valves of pods with large, round, discrete yellowish or orange blister glands, pubescent between blister glands. Flowering and fruiting from May to June.

Similar species: Differs consistently from *P. fremontii* only in the ornamentation of the pod. *P. fremontii* has small orange glands that are confluent lengthwise into crowded ridges towards the pod's beak. *P. arborescens* has large round blister glands separated from one another by spaces as wide as their diameter.

Habitat: On soils derived from the Moenkopi Formation in mixed desert shrub communities between 3400 – 4900ft

Distribution: Endemic Northern Coconino County, AZ, in the vicinity of Marble Canyon.

Navajo Nation Distribution: Currently only known from Navajo Springs area, south of Navajo Bridge.

Potential Navajo Nation Distribution: Lee's Backbone to Bitter Springs.

Recommended Survey Period: Proper identification is only possible during the flowering and fruiting period in May and June.

Recommended Avoidance: A 200 ft buffer zone is recommended to avoid disturbance; may be more or less depending on size and nature of the project.

References:

Arizona Rare Plant Committee. 2001. Arizona rare plant field guide: a collaboration of agencies and organizations. Washington: U.S. Government Printing Office. <http://aznps.org/rareplants.html>

Cronquist, A. et al., eds. 1989. Intermountain Flora, vol. 3, Part B. New York Botanical Garden, Bronx, NY. p. 268.

Welsh, S.L., N.D. Atwood, S. Goodrich, L.C. Higgins. 2003. A Utah Flora: Third Edition. Brigham Young University, Provo, UT.



Psorothamnus arborescens var. *pubescens*
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Psorothamnus arborescens var. *pubescens* habitat
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