

***BERGIA TEXANA* (ELATINACEAE)
AND *ELEOCHARIS ATROPURPUREA* (CYPERACEAE):
FIRST RECORDS FOR ARIZONA**

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ABSTRACT

Recent collections of *Bergia texana* and *Eleocharis atropurpurea* from desert grassland around the Pat Hills of Cochise Co., Arizona, are documented and illustrated. While both species are known from surrounding states and Mexico, these collections represent the first verified occurrences for these species in Arizona.

In an ongoing floristic inventory of the Pat Hills desert grassland of Cochise County (Roll 2018, 2020), two additions to the known flora of Arizona have been documented. *Bergia texana* (Elatinaceae) and *Eleocharis atropurpurea* (Cyperaceae) were collected from the moist soil around a stock pond located at the base of one of the largest hills. This stock pond catches runoff readily and holds the water for extended periods of time. The discovery of these taxa in Arizona was not unexpected, however, since their presence in nearby states and Mexico has been previously documented (Kearney & Peebles 1973; Lehr 1978; PLANTS Database 2020; SEINet 2020). Records for these taxa are presented below.

Bergia texana (Hook.) Seub. ex Walp.

USA. Arizona. Cochise Co.: Pat Hills, ca. 30 km (20 mi) by air SE of Willcox, Sulphur Springs Valley, 32° 00.061' N 109° 35.384' W, elev. 1389 meters (4558 feet), uncommon herbaceous annual in dried mud of an empty stock pond in alluvium at base of andesitic hillside, 8 Dec 2015, *Roll 1660* (ARIZ); locally common herbaceous annual in wet soil around same stock pond, 30 Sep 2016, *Roll 2371* (ARIZ, ASU, DUR) and 14 Oct 2016, *Roll 2418* (DES, NMC).

Native to North America and known from California, New Mexico, Texas, Sonora, and other states in both the USA and Mexico. Figure 1.

Eleocharis atropurpurea (Retz.) J. & K. Presl.

USA. Arizona. Cochise Co.: Pat Hills, ca. 30 km (20 mi) by air SE of Willcox, Sulphur Springs Valley, 32° 00.061' N 109° 35.384' W, elev. 1389 meters (4558 feet), locally common herbaceous annual in wet soil around stock pond in alluvium at base of andesitic hillside, 18 Sep 2016, *Roll 2361* (ASC, ARIZ, ASU, DES) and 30 Sep 2016, *Roll 2376* (ARIZ, DUR).

Native to North America and known from California, New Mexico, Texas, Sonora, and other states in both the USA and Mexico. Figure 2.



Figure 1. *Bergia texana*. Photo by author, 30 Sep 2016.



Figure 1. *Eleocharis atropurpurea*. Photo by author, 18 Sep 2016.

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