

***Acarospora socialis* in the Joshua Tree National Park (California, U.S.A.)**

Map collection



Acarospora socialis. Photo by Jana Kocourková

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Abstract – Results of research on biodiversity and distribution of *Acarospora socialis* in the Joshua Tree National Park (Mojave Desert, California) confirm previous knowledge that the species is a common species in southern California. It is probably the most common lichen in Joshua Tree. The map of distribution of *A. socialis* in Joshua Tree is presented. We compiled a detailed list of records based on GPS data.

Key words – *Acarospora socialis*, lichens, distribution, mapping, Joshua Tree, Mojave Desert

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***Acarospora socialis* H. Magn.**

DESCRIPTION. – Knudsen 2007.

WORLD DISTRIBUTION. – Western North America.

SUBSTRATE. – Non-calcareous rock, rarely soil and wood; on basalt, gneiss, and granite in Joshua Tree.

NOTES. – *Acarospora socialis* is a common species in southern California occurring on the Channel Islands, in the Peninsular Ranges, and in the Transverse Ranges from low to middle elevations. It extends north in to central California and into the Basin and Range, Sonoran and Mojave flora. It is probably the most common lichen in Joshua Tree. *Acarospora socialis* occurs in the Mojave and Sonoran Deserts. It is documented by 45 specimens and more widely distributed in the park than even these collections indicate.

DISTRIBUTION. – Cottonwood Mountains, Eagle Mountains, Hexie Mountains, Juniper Flats, Little San Bernardino Mountains (Berdo Canyon, Eureka Peak, Inspiration Point, Pushwalla Plateau), Lost Horse Mountain, Malapai Hill, Pinkham Canyon, Pinto Basin, Pinto Mountains (Belle Mountain), Saddle Rock, Sheep's Pass, Smith Water Canyon, Wilson Canyon, Wonderland of Rocks (Keys Ranch, Indian Cove, near west entrance, Rattlesnake Canyon).

LITERATURE CITED

Knudsen, K. 2007. *Acarospora*. In: T.H. Nash, III, C. Gries, and F. Bungartz (eds.) Lichen Flora of the Greater Sonoran Desert Region 3: 1–38. Lichens Unlimited, Tempe, AZ.

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