

***Caloplaca durietzii* in the Joshua Tree National Park (California, U.S.A.)**

Map collection



Caloplaca durietzii. Photo by Tim Wheeler

Kerry Knudsen, Kocourková Jana*

*Czech University of Life Sciences Prague, Faculty of Environmental Sciences, Department of Ecology, Czech Republic

© 2012

Abstract – *Caloplaca durietzii* occurs only in North America. It is common in the Mojave Desert on old junipers and it is known from scattered locations in California. In Joshua Tree is documented by 5 collections from 238 surveyed. The map of distribution of *C. durietzii* in Joshua Tree is presented. We compiled a detailed list of records based on GPS data.

Key words – *Caloplaca durietzii*, distribution, *Caloplaca pyracea*, Joshua Tree, western North America

Authors – Kerry Knudsen¹, Kocourková Jana²

¹The Herbarium, Department of Botany & Plant Sciences, University of California Riverside, California 92521, U.S.A. – e-mail: Knudsen@ucr.edu

²University of Life Sciences Prague, Department of Ecology, Faculty of Environmental Sciences, Kamýcká 129, Praha 6 – Suchbát, CZ – 165 21, Czech Republic – e-mail: kocourkovaj@fzp.czu.cz

***Caloplaca durietzii* H. Magn.**

DESCRIPTION. – Wetmore 2007.

WORLD DISTRIBUTION. – North America.

SUBSTRATE. – Bark or wood, especially junipers in Mojave Desert.

NOTES. – *Caloplaca durietzii* is separated from *C. pyracea* (Ach.) Th. Fr. based on its yellow orange areolate thallus. The taxon is in need of further study and the species concept needs verification. It is possibly just a synonym for *C. pyracea*. It is common in the Mojave Desert on old junipers and has been identified from scattered locations in California by C.M. Wetmore (Banning Pass, San Jacinto Mountains, and the Santa Monica Mountains from a historic H.E. Hasse collection). It was determined by Wetmore from Santa Cruz Island on oak (Knudsen and Kocourková 2012). It was reported from the Granite Mountains on juniper (Knudsen and Werth 2008). It occurs on juniper trees in the Mojave Desert in Joshua Tree and is documented by 5 collections. Possibly on junipers on Ryan Mountain is a remnant of *Caloplaca stanfordensis* H. Magn., but the material was very poor.

DISTRIBUTION. – Little San Bernardino Mountains (near Long Canyon), Ryan Mountain, upper Juniper Flats.

LITERATURE CITED

- Knudsen, K. and J. Kocourková. 2012. The Annotated Checklist of Lichens, Lichenicolous and Allied Fungi of Channel Islands National Park. *Opuscula Philolichenum* 11: 145–302.
- Knudsen, K. and S. Werth. 2008. Lichens of the Granite Mountains, Sweeney Granite Mountain Desert Research Center, southwestern Mojave Desert, San Bernardino County, California. *Evansia* 25(1): 15–19.
- Wetmore, C. M. 2007[2008]. *Caloplaca*. In: T. H. Nash, III, C. Gries and F. Bungartz (eds.) *Lichen Flora of the Greater Sonoran Desert Region* 3: 179–220. Lichens Unlimited, Temp.

ACKNOWLEDGEMENTS

The work of Kerry Knudsen was funded by a co-operative agreement between Joshua Tree National Park and the University of California at Riverside (UCR). The work of Jana Kocourková was supported financially by the KONTAKT II, Program of International Cooperation in Research and development for scientific cooperation between the CR and USA, LH 11057 from Ministry of Education, Youth and Sports of the Czech Republic.

