

## Lichens of the Bernard Field Station

Claremont, California, Los Angeles County

Base of the San Gabriel Mountains.

Collections by Kerry Knudsen with Nancy Hamlett and Ted Beckman, 17 January 2005, and by Kerry Knudsen with Nancy Hamlett, 26 April 2009.

Specimens deposited at the UCR herbarium.

39 taxa are recorded. Two additional *Aspilicia* species on rock were observed but not found fertile.

*Acarospora badiofusca* (Nyl.) Th. Fr. On granite. 2183.1

*Acarospora scleicheri* (Ach.) A. Massal. On soil and mosses in the Neck. Rare at the BFS. 10938

*Acarospora socialis* H. Magn. Yellow crust on rocks. Nitrophyte. 2143

*Acarospora veronensis* A. Massal. On granite. Formerly listed as *A. cinereoalba* (Fink) H. Magn., which has been determined to be synonymous with *A. veronensis*. 2183.2

*Aspilicia desertorum* (Kremp.) Mereschk. Rare at the BFS. On granite rock in shade of shrub on edge of shallow seasonal drainage coastal sage scrub in the southwestern part of the BFS (area owned by Harvey Mudd College). 10941

*Buella alboatra* (Hoff.) Fr. With submuriform spores on granite rocks. 2152

*Buella badia* (Fr.) A. Massal. Juvenile parasite on other lichens becoming independent and squamulose, occurring on granite. 2177

*Buella punctata* (Hoffm.) A. Massal. On Artemisia. 10939.1

*Buella ryanii* Bungartz. Small specimen of crust. Type locality: east end of Santa Cruz Island. Known from scattered locations near coast. The Bernard Field Station is the farthest inland site documented so far. Formerly listed as *Buella* sp., but has now been identified to species. 2182

*Buella sequax* (Nyl.) Zahlbr. On granite rocks.

*Caloplaca bolacina* (Tuck.) Herre. Common orange crust on granite. 2161

*Caloplaca cerina* (Ehrh. ex Hedwig) Th. Fr. On Artemisia. 10934

*Caloplaca crenulatella* (Nyl.) Oliv. On granite. 10943

*Candelaria concolor* (Dicks.) Stein. Common yellow lichen on bark throughout station. A good indicator of high nitrogen pollution when dominant in lichen community. 2178.1

*Candelariella aurella* (Hoffm.) Zahlbr. Yellow endolithic crust with yellow apothecia, growing on concrete footing. Calciphile. 2173

*Cladonia hammeri* Ahti. Endemic southern California species and component of soil crusts. 2146

*Collema* sp. Growing on soil with moss and liverworts.

*Dimelaena radiata* (Tuck.) Mull Arg. White effigurate crust on granite.

*Diploschistes muscorum* (Scop.) R. Sant. Parasitic on *Cladonia* eventually becoming independent; cosmopolitan member of soil crust communities. 2180

*Endocarpon pusillum* Hed. Cosmopolitan lichen in soil crusts common in washes in southern California. It has muriform spores, hymenial algae, and long black rhizines. 2170

*Lecania crytella* (Ach.) Th. Fr. On bark of dead branch. Nitrophyte and adapted to moderately acid surfaces. Rare at the Bernard Field Station. 2156

*Lecanora* sp. Common on dead wood. Unknown species; probably undescribed. 2139

*Lecanora crenulata* Hook in Smith. On a hard carbonate rock. A calciphile. Several carbonate rocks were scattered among the alluvial deposit. 2174

*Lecanora hagenii* (Ach.) Ach. On dead wood of *Cylindropuntia californica*. Formerly listed as *Lecanora albellula* Nyl., but now determined to be *L. hagenii* based on chemistry. 2140

*Lecanora muralis* (Schreb.) Rabenh. Most common lichen on rock in Bernard Field Station. 2148

*Lecanora strobilina* (Spreng.) Kieffer. Common on dead wood. Formerly listed as *Lecanora* sp., but now identified as *L. strobilina* based on chemistry. 2132

*Lecidea laboriosa* Müll. Arg. Black apothecia with endolithic thallus on granite rocks. 2160

*Physcia adscendens* (Fr.) H. Olivier. Common on bark. Nitrophyte. 2178.2

*Polysporina simplex* (Davies) Vězda. Common on granite boulders and rocks, a member of rocky wash community. 2159, 2169

*Psora californica* Timdal. Soil lichen endemic to western North America occurring in scattered locations with bryophytes in soil crusts in opening of sage shrub. 2167

*Rinodina greennarii* Bagl. Nitrophyte on granite rocks. 2181

*Sarcogyne similis* H.Magn. Black apothecia common on granite and member of wash communities above high water levels. 2168

*Strangospora moriformis* (Ach.) B. Stein On Artemisia. 10937

*Trapeliopsis bisordiata* McCune & Camacho. Rare soil lichen found growing with moss in one location. Third site in Southern California; known from eight sites in Idaho and Washington. Dr. Roger Rosentreter, a specialist on soil crusts, with BLM considers *T. bisordiata* an indicator of undisturbed sage scrub communities (pers. comm.) 2151

*Trapleia glebulosa* (Sw.) J. R. Laundon On soil and mosses. Rare at the BFS. 2151

*Verrucaria calkinsiana* Servit On granite. 10933

*Verrucaria onegensis* Vain. On granite. 10942

*Xanthoparmelia lineola* (E.C. Berry) Hale. Foliose lichen on granite. *Xanthoparmelia* are rare at Bernard Field Station. 2166

*Xanthoria tenax* L. Lindblom On Artemisia. Rare at the BFS. (Formerly listed as *Xanthoria* sp.; has now been identified to species.) 10935

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