El Yunque National Forest, Municipality Río Grande, PUERTO RICO Lichens of El Yunque National Forest

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Photos: Robert Lücking [R.Luecking@bo.berlin] and Joel A. Mercado-Díaz [joel pr19@hotmail.com] and María del Mar Conde Álvarez. Produced by the authors with support from the National Science Foundation, Andrew Mellon Foundation, Ellen Hyndman fund.

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Naguabo, Ceiba, Fajardo, Luquillo, Río Grande, Canóvanas, and Las Piedras. It has representation of different ecosystems, including moist, wet, lower-wet tropical forests, and even high elevation wetlands. El Yunque is among the most biodiverse forests in the archipelago and the only tropical rainforest in the US National Forest system. This National Forest is unique among the forested areas of the island because it has a dynamic climate characterized by having the highest levels of precipitation in Puerto Rico. Ecological processes in this forest are also supported by the well-aerated soils made from volcanic rocks. Finally, there are many species that are unique to this forest, including Hygrocybe miniatoforma (fungus), Setophaga angelae (bird) and Gaeotis nigrolineata (snail). Studies indicate that ecosystems within the El Yunque National Forest harbor the highest lichen diversity in Puerto Rico. Some common lichen genera present in this forest are Ocellularia, Chapsa, Sticta and Thelotrema. El Yunque National Forest in Puerto Rico is a unique and invaluable natural treasure due to its remarkable combination of native species, climate patterns, and geological features.

El Yunque National Forest lies within the municipalities of

[fieldguides.fieldmuseum.org]

El Yunque National Forest

3

7

11



Chapsa thallotrema



Cora vukiboa



10 Fissurina aurantiacostellata



Dibaeis absoluta

Cladia aggregata

Fissurina crystallifera



Dichosporidium nigrocinctum

Graphis argentata



[1750] version 1 11/2024

5

Coenogonium cf. linkii



9

13

Dictyonema cf. thelephora



Graphis nanodes

12

4

8

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20

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19

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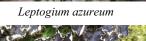






18 Ocellularia submordenii







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Leucodermia sp.



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[1750]

Ocellularia rhodostroma



Pyrenula cinerea



Peltigera borinquensis

23 Stereocaulon ramulosum



Phyllobaeis erythrella

Sticta aff ciliata



Sticta boringuensis



Sticta boringuensis



30

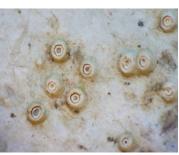








Sticta harrisii



Thelotrema porinoides

32

Usnea sp.

29

33



Sticta harrisii