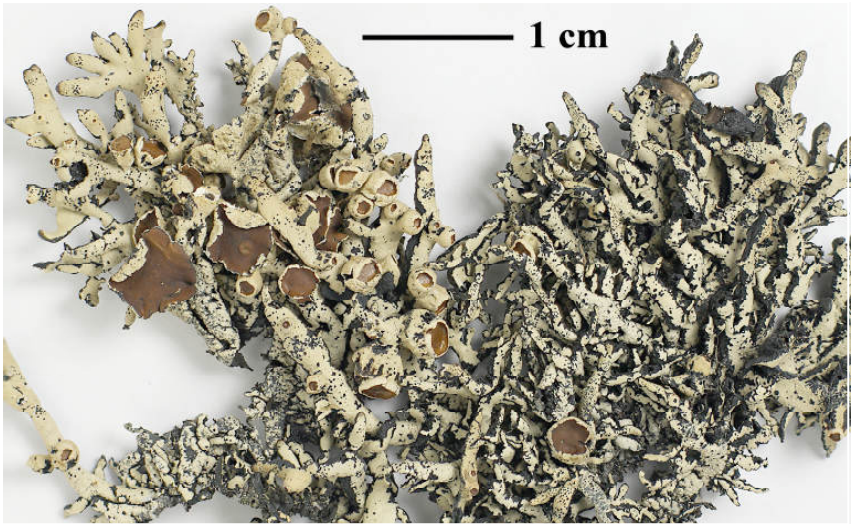


*Hypogymnia heterophylla* L.H.Pike

Thallus grey, often dark mottled, erect or appressed. Lobes 1-3(-4) mm wide, often black bordered, tips and axils often perforated. Soredia and isidia absent. Medulla hollow, ceiling and floor of cavity dark. Lower surface black. Apothecia common, up to 10(-15) mm wide. Chemistry: cortex K+ yellow, C-, KC-, P+ pale yellow, UV-; medulla K-, C-, KC+ orange-red, P+ orange-red; atranorin, chloroatranorin, physodic acid (maj), physodalic acid (maj), protocetraric acid (min). N-America.

[9505], USA, Washington, Grays Harbor County, Wetsport, Beach Park at the end of W. Ocean Ave., Picnic area of tables and windbreak fences, on fence boards. 46°53.220' N, 124°07.526' W, 20 ft. Leg. Jim Riley 13.06.2000, Jim Riley.





*Hypogymnia heterophylla*