

Plagiopus oederiana

COMMON NAME

Moss, Oeder's Apple-moss

SYNONYMS

Bartramia oederiana Sw.

FAMILY

Bartramiaceae

AUTHORITY

Plagiopus oederiana (Sw.) H.A.Crum & L.E.Anderson

FLORA CATEGORY

Non-vascular – Native

ENDEMIC TAXON

No

ENDEMIC GENUS

No

ENDEMIC FAMILY

No

CURRENT CONSERVATION STATUS

2009 | Threatened – Nationally Critical | Qualifiers: OL, ?SO

PREVIOUS CONSERVATION STATUS

2004 | Threatened – Nationally Critical

DISTRIBUTION

Indigenous. New Zealand: South Island (North-West Nelson, in the Owen Range (Kahurangi National Park)). Also Europe, the Caucasus, Asia, Japan, China, Greenland, Hawaii, and eastern North America. In the Pacific Northwestern North America it is known from Alaska, Canadian Arctic, Washington, Oregon, and Colorado

HABITAT

Saxicolous. Found on shaded or wet calcareous rocks in montane, subalpine and alpine areas especially common on cliffs and on rocks in crevices and vertical faces.

DETAILED DESCRIPTION

Plants in dense, dull green to yellowish-brown tufts up to 10 cm tall; stems \pm covered with brown rhizoids, triangular in cross-section; leaves linear-lanceolate, acute, keeled, 2–5 mm long, erect to spreading when moist, somewhat crisped and contorted when dry; margins unistratose, recurved, coarsely serrate above, smooth below; costa single, percurrent, toothed near the apex on dorsal side; upper median cells quadrate to rectangular, cuticle irregularly roughened in longitudinal lines or ridges appearing as minutely plurepapillose; basal cells longer and smooth. Synoicous; paraphyses numerous; seta straight, 7–18 mm long; capsules \pm globose, brown to reddish-brown, zygomorphic, suberect to inclined, strongly ribbed when dry; peristome teeth double, endostome yellow, exostome dark brown; spores coarsely papillose, globose to ellipsoidal, 15–27 μ m



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THREATS

Known from very few sites and even fewer plants. Threatened mainly by the small population size and area of occupancy than by any other more direct human-induced threat(s).

SUBSTRATE

Saxicolous on damp marble and rendzine soils in the alpine zone.

References

Ireland, R. 1982: Moss Flora of the Maritime Provinces. National Museum of Natural Sciences. National Museum of Natural Sciences. Publications in Botany, No. 13. Ottawa. Canada. 738 pp.

Fact Sheet Prepared for NZPCN by: P.J. de Lange (8 November 2006). Description adapted from (Ireland 1982).

MORE INFORMATION

<https://www.nzpcn.org.nz/flora/species/plagiopus-oederiana/>