

# Crossidium davidai

## COMMON NAME

Moss

## SYNONYMS

None (first described in 1980)

## FAMILY

Pottiaceae

## AUTHORITY

Crossidium davidai Catches.

## FLORA CATEGORY

Non-vascular – Native

## ENDEMIC TAXON

No

## ENDEMIC GENUS

No

## ENDEMIC FAMILY

No

## CURRENT CONSERVATION STATUS

2009 | Non-resident Native – Vagrant | Qualifiers: DP, OL, SO

## PREVIOUS CONSERVATION STATUS

2004 | Threatened – Nationally Critical

## DISTRIBUTION

Indigenous. Widespread in Australia. In New Zealand known only from a single site on Banks Peninsula

## DETAILED DESCRIPTION

Moss green when moist, deep olive-brown when dry. Leaves ligulate-obovate, to 1.50-1.90 x 0.50-0.65 mm wide, widest above middle, concave above, with the apex blunt, cucullate or with a small mucro; margin entire, narrowly recurved from apex to near the base; base not sheathing nor decurrent; upper laminal cells with fairly thin walls, hexagonal or polygonal 12-16 µm diameter, each with several crescentic papillae on both sides, the cells in two marginal row smooth and transversely rectangular; lower laminal cell much larger, smooth, rectangular, short and narrow near the margin; nerve ceasing at or just below apex; filaments 1-4 cells high, the cells 9-12 µm long, the terminal cell longer almost globose or ovoid, 20-25 µm diameter, with 4-6 mamillae. Seta 5-8 mm long, pale brown; capsule reddish-brown, slenderly ellipsoid, 2.0-2.3 mm long, nearly 0.5 mm wide, operculum conical, slightly bent, blunt; peristome c. 400 µm high, with a basal membrane c.80 µm tall, bearing 32 teeth, twisted to the right and covered with fine acute papillae; spores 18-22 µm diameter, minutely papillose.

## FRUITING

Fruiting had occasionally been observed in New Zealand. However insufficient information exists from which to determine seasonal periodicity.

## THREATS

Highly threatened because it is known from one small population in a very vulnerable situation

## SUBSTRATE

Terricolous on damp loess banks near streams

Fact Sheet Prepared for NZPCN by: P.J. de Lange 31 August 2007.

## MORE INFORMATION



<https://www.nzpcn.org.nz/flora/species/crossidium-davidai/>