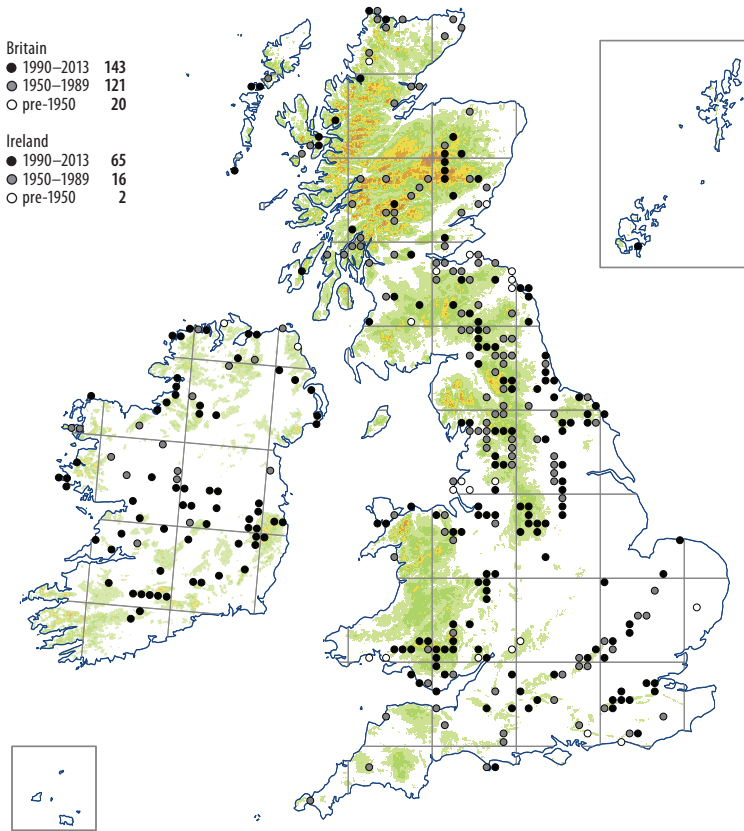


# Leiocolea badensis



Similar ecologically to *Leicocolea turbinata* but more widely ranging, from coastal dune slacks to damp spots on calcareous rocks in woodlands, rocks by streams, damp basic soil, and basic rocks in subalpine flushes. It can be locally abundant, notably forming extensive patches in dune slacks and growing over *Hymenostylium recurvirostrum* in tufaceous upland flushes. On the Magnesian Limestone of Yorkshire and the Carboniferous Limestone of S Wales and the Pennines it is characteristic of disused quarries, growing most often on quarry floors, whereas *L. turbinata* is commoner on quarry sides (Bosanquet *et al.*, 2005). It is much less common than *L. turbinata* in chalk and limestone grassland. Altitudinal range: 0–500 m.

Dioicous; gametangia and sporophytes are common, February to October; gemmae are absent.

Some southern English specimens are very subtly distinct from *L. turbinata*, and the map may include some erroneous records.

Circumpolar Boreo-arctic montane. Found throughout Europe but rare in the south where it is restricted to mountains. Siberia, Russian Far East, Mongolia, China, Tajikistan, Caucasus, Iran; N America, Greenland.

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The surfacing of forestry tracks with limestone has encouraged an expansion of *L. badensis*, particularly in Ireland.

