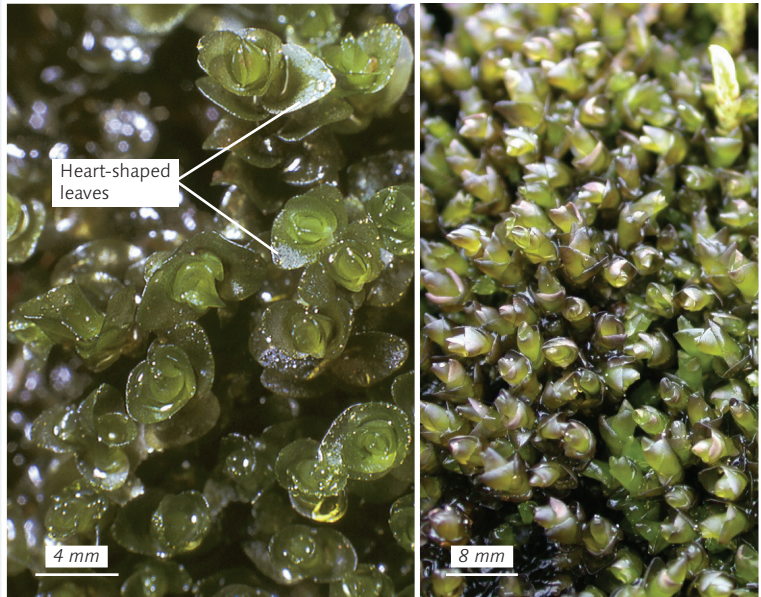
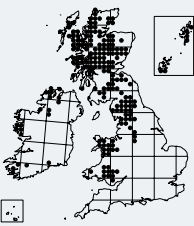


# *Jungermannia exsertifolia* subsp. *cordifolia*

Cordate Flapwort

Key 73



**Identification** A large, strongly aromatic *Jungermannia* (shoots up to 5 mm wide), typically growing in large, swollen mounds in flushes. The leaves are about 2 mm long and wide, characteristically heart-shaped, with a broad base narrowing rapidly to the stem and a narrow, rounded tip. *J. exsertifolia* usually has red-brown tones to its green colour, different from the dark green of *J. atrovirens*. It is dioicous, has colourless rhizoids, and the perianth lacks bracts halfway up its outside.

**Similar species** In size and growth form, *J. exsertifolia* is most like *Nardia compressa* (p. 151). However, that species has its shoots laterally flattened and it grows in very acidic sites. Of dioicous *Jungermannia* species, *J. atrovirens* (p. 143) is usually smaller and has less heart-shaped leaves; *J. hyalina* (p. 148) is more compact, brighter green, and the perianth has bracts halfway up its outside, and *J. gracillima* (p. 147) is smaller, usually has bordered leaves and normally grows on soil.

**Habitat** A characteristic species of stony flushes in the uplands, where it often forms extensive turfs. It also grows in springs as rather spongy mounds. Less often, *J. exsertifolia* is found on rocks or rock shelves in rivers with water of about neutral pH.