

**Maun Conservation Group**

**Quarry Lane Local Nature Reserve Bryophytes 20<sup>th</sup> November 2023 Margaret Crittenden**

**River side, deciduous woodland, tracks on Magnesium Limestone**

Amblystegium serpens var. serpens	Creeping Feather-moss	Moss	Is encountered in places where there is some nitrogen enrichment. In this case it was found extensively both on walls and trees particularly on elders.
Barbula unguiculata	Bird's-claw Beard-moss	Moss	Ruderal species occurring plentifully on neutral to base-rich soil on the edge of tracks.
Brachytheciastrum velutinum	Velvet Feather-moss	Moss	A species which is possibly declining, it occurs in well-drained, shaded habitats in calcareous districts as well as sands and gravels. A typical habitat is on tree bases, stumps and logs in woodland.
Brachythecium rivulare	River Feather-moss	Moss	This species grows in riparian habitats, such as on rocks and boulders that are sometimes submerged, <i>B. rivulare</i> is a member of a community of species that indicates neutral to base-rich water. Here it was found on rottingwood.
Brachythecium rutabulum	Rough-stalked Feather-moss	Moss	Common moss often grows luxuriantly in eutrophic situations.
Bryum argenteum	Silver-moss	Moss	Seen commonly as tufts of smooth catkin-like silvery shoots colonising the cracks in pavements. It is a very common plant of weedy manmade eutrophic habitats around human habitation throughout the world, including Antarctica. It is the commonest plant to inhabit the crevices of old cars.

Bryum capillare	Capillary Thread-moss	Moss	A very common ubiquitous moss, often common on rocks, walls, soil and tree bark, growing in the open or in light to moderate shade.
Bryum moravicum	Syed's Thread-moss	Moss	Found on trees, such as elder. The filamentous gemmae in the leaf axils are common and distinctive.
Bryum rubens	Crimson-tuber Thread-moss	Moss	Is one of the commonest Bryums that have little bright red 'tubers' attached to the rhizoids. It was found on disturbed soil next to the path.
Calliergonella cuspidata	Pointed Spear-moss	Moss	A common moss occurring in a very wide variety of open or lightly shaded habitats, especially in turf that is calcareous as is the case here.
Ceratodon purpureus	Redshank	Moss	A species that is a pioneer of open or disturbed ground which responds positively to nutrient enrichment.
Conocephalum conicum s.str.	Great scented liverwort	Liverwort	A thalloid liverwort found in damp places next to the river.
Cryphaea heteromalla	Lateral Cryphaea	Moss	This species is an epiphyte, growing on bare bark. It was sensitive to SO <sub>2</sub> but has now made a remarkable recovery.
Didymodon fallax	False Beard-moss	Moss	Found on the soil on ledges in the Magnesium Limestone cuttings.
Didymodon insulanus	Cylindric Beard-moss	Moss	A widespread species found on a wide range of substrate including soil.
Didymodon nicholsonii	Didymodon nicholsonii	Moss	Found on the stones of one of the bridges which would have been exposed to intermittent inundation.
Drepanocladus aduncus	Knieff's Hook-moss	Moss	This species is typically hook-leaved. It was found in the margins of the lake which was no doubt base-rich and eutrophic.

<i>Fissidens pusillus</i>	Petty Pocket-moss	Moss	This tiny moss was found in damper places such as rocks in and near the river. The 7 <sup>th</sup> County record.
<i>Fissidens taxifolius</i> var. <i>taxifolius</i>	Common Pocket-moss	Moss	This is a common and characteristic moss of woodlands, growing on damp soil.
<i>Frullania dilatata</i>	Dilated Scalewort	Liverwort	This is an epiphytic liverwort found on the lower branches and trunks of various trees.
<i>Funaria hygrometrica</i>	Bonfire-moss	Moss	This species likes damp places and was found growing on rocks very near the river among other places.
<i>Grimmia pulvinata</i>	Grey-cushioned <i>Grimmia</i>	Moss	This species has setae (capsule stalks) which turn down and push the capsule back into the leaves. It is ubiquitous on basic rocks and masonry in the lowlands.
<i>Homalothecium sericeum</i>	Silky Wall Feather-moss	Moss	A common large moss found on walls and trees.
<i>Hypnum cupressiforme</i> var. <i>cupressiforme</i>	Cypress-leaved Plait-moss	Moss	This common moss is usually found on wood and rock
<i>Kindbergia praelonga</i>	Common Feather-moss	Moss	This is one of our most ubiquitous and abundant bryophytes, this species grows in a range of habitats and responds positively to eutrophic conditions.
<i>Lewinskya affinis</i>	Wood Bristle-moss	Moss	This common moss grows as a pioneer epiphyte on exposed roots, trunks and branches of trees and shrubs.
<i>Lophocolea bidentata</i>	Bifid Crestwort	Liverwort	A common and catholic liverwort found especially in damp situations such as on soil, among grass and mosses and on rotting wood.
<i>Lunularia cruciata</i>	Crescent-cup Liverwort	Liverwort	A common thalloid liverwort found here at the base of the walls.

Metzgeria furcata	Forked Veilwort	Liverwort	This common epiphytic liverwort was found on the trees on the south side of the river
Metzgeria violacea	Bluish Veilwort	Liverwort	This liverwort is found as an epiphyte on willow and elder.
Orthotrichum pulchellum	Elegant Bristle-moss	Moss	An epiphyte which grows on the trunks and branches of trees and shrubs in sheltered but not heavily shaded situations.
Oxyrrhynchium hians	Swartz's Feather-moss	Moss	This a common straggly moss which is tolerant of shade and soil enrichment.
Oxyrrhynchium speciosum	Showy Feather-moss	Moss	This was found in wet, eutrophic, shaded habitats on tree roots. Only the third County record.
Plagiomnium undulatum	Hart's-tongue Thyme-moss	Moss	This is a conspicuous moss in found in small amounts in tree covered areas on damp basic soils.
Pohlia nutans	Nodding Thread-moss	Moss	This is a calcifuge species and so was found in small quantity on a rotting tree stump which has an acidic nature by virtue of the rotting process.
Pseudocrossidium hornschuchianum	Hornschuch's Beard-moss	Moss	This is a common member of a classic community of small mosses found on well-drained open base-rich ground such as tracks.
Radula complanata	Even Scalewort	Liverwort	This species was found growing as an epiphyte on elder.
Rhynchostegium confertum	Clustered Feathermoss	Moss	This is one of the most ubiquitous of medium-sized pleurocarps, which is especially common in eutrophic lowland habitats.
Rhynchostegium murale	Wall Feather-moss	Moss	This is a calcicolous moss which characteristically was found on a limestone boulder.

<i>Rhynchostegium riparioides</i>	Long-beaked Water Feather-moss	Moss	This is a very common moss found in running water here.
<i>Rhytidiadelphus squarrosus</i>	Springy turf-moss	Moss	This is one of the most ubiquitous of medium-sized mosses which is common in eutrophic lowland habitats.
<i>Scleropodium cespitans</i>	Tufted Feather-moss	Moss	This was found in the silty flood zone of the river.
<i>Streblotrichum convolutum</i> var. <i>commutatum</i>	Lesser Bird's-claw Beard-moss	Moss	This is a common member of a classic community of small mosses found on well-drained open base-rich ground such as tracks.
<i>Streblotrichum convolutum</i> var. <i>convolutum</i>	Lesser Bird's-claw Beard-moss	Moss	This is a common member of a classic community of small mosses found on well-drained open base-rich ground such as tracks.
<i>Syntrichia latifolia</i>	Water Screw-moss	Moss	This was found in the silty flood zone of the river and many of the recently flooded tree bases.
<i>Syntrichia ruralis</i> var. <i>ruralis</i>	Great Hairy Screw-moss	Moss	This species is found in a wide variety of habitats, usually on base-rich substrates. In the lowlands it is very frequent in ruderal habitats, especially on old tarmac, pavements and gravelly gateways, roadsides and drives, and churchyards.
<i>Thamnobryum alopecurum</i>	Fox-tail Feather-moss	Moss	This is a large shade tolerant moss which was found in the wooded area.
<i>Tortula muralis</i>	Wall Screw-moss	Moss	An abundant species, here found on outcrops of limestone.