

BOVEY VALLEY BRYOPHYTES: SYSTEMATIC LIST

Summary of accounts by Ron Porley (1991) and M.Pool (1998). Nomenclature revised according to "Mosses and Liverworts of Britain and Ireland", British Bryological Society, 2010. Numbers shown are relevant pages in that publication.

Species list and comments mainly follow Pool's account. Text in italics indicates additional comments by Porley and species recorded only by him.

LEAFY LIVERWORTS

Jungermanniales

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| 80 | <i>Lepidozia reptans</i> | Local on shaded rotten wood and humus. <i>On open rock surfaces.</i> |
| 82 | <i>Bazzania trilobata</i> | Apparently rare; one colony on vertical bank by riverside track. <i>Typical western oak wood species but rare here.</i> |
| 84 | <i>Trichocolea tomentella</i> | Frequent in flushes in Wanford Wood. Local in Devon. |
| 85 | <i>Calypogeia fissa</i> | Local on sheltered acidic banks. |
| 90 | <i>C.arguta</i> | Local on sheltered loamy banks. |
| 97 | <i>Nowellia curvifolia</i> | Very local on well-rotted logs. <i>Atlantic species.</i> |
| 145 | <i>Jungermannia pumila</i> | Banks of R.Bovey e.g. by Clam Bridge. Small, may be overlooked. |
| 155 | <i>Marsupella emarginata</i> | Frequent on boulders in and by R.Bovey. <i>On open rock surfaces.</i> |
| 166 | <i>Diplophyllum albicans</i> | Locally abundant on sheltered acid banks. |
| 175 | <i>Scapania undulata</i> | Frequent on rocks in and by water. |
| 180 | <i>S.gracilis</i> | Locally frequent on sheltered boulders, sometimes on tree trunks. <i>Atlantic sp.</i> |
| 183 | <i>Lophocolea bidentata</i> | Frequent among turf. |
| 184 | <i>L.heterophylla</i> | Frequent on rotting wood. |
| 186 | <i>L.fragrans</i> | Extremely local; low on wall of lane , Wanford Wood (above gate?). |
| 187 | <i>Chiloscyphus polyanthos</i> | Frequent on rocks in R.Bovey. |
| 190 | <i>Saccogyna viticulosa</i> | Local on acidic banks. |
| 192 | <i>Plagiochila asplenioides</i> | Locally frequent on sheltered banks. |
| 194 | <i>P.spinulosa</i> | Local on sheltered rock faces. <i>Atlantic species.</i> |
| 202 | <i>Radula complanata</i> | Decidedly local, on basic bark. |
| 210 | <i>Porella pinnata</i> | Nationally scarce. Locally frequent on rocks and tree bases in R.Bovey. <i>Neadon Cleave only, on submerged boulders and alder roots. Atlantic species.</i> |
| 211 | <i>Frullania tamarisci</i> | Widespread but rather local on bark. |
| 213 | <i>F.dilatata</i> | Frequent on (usually smooth) bark. |
| 220 | <i>Microlejeunea ulicina</i> | Locally frequent but often inconspicuous. <i>Minute. Throughout in bark fissures. Atlantic species.</i> |
| 222 | <i>Lejeunea lamacerina</i> | Locally common, on sheltered walls and tree bases by Bovey. <i>Atlantic species.</i> |

THALLOSE LIVERWORTS

Metzgeriales

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| 235 | <i>Pellia epiphylla</i> | Often abundant on wet acid banks. |
| 237 | <i>P.endiviifolia</i> | Flushes in Wanford Wood. |
| 241 | <i>Aneura pinguis</i> | Local, in flushes in Wanford Wood. |
| 243 | <i>Riccardia chamedryfolia</i> | Local on stones in and by water. <i>Atlantic species.</i> |
| 243 | <i>R.multifida</i> | Flushes in Wanford Wood. |
| 245 | <i>Metzgeria fruticulosa</i> | Local on more or less basic bark. <i>Only in vicinity of the river.</i> |
| 245 | <i>M.temperata</i> | Frequent on bark. <i>Only in vicinity of the river. Atlantic species.</i> |
| 246 | <i>M.furcata</i> | Frequent on bark. |
| 247 | <i>M.conjugata</i> | Local on shaded rock outcrops. <i>Atlantic species.</i> |

Marchantiales

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| 252 | <i>Lunularia cruciata</i> | Banks of R.Bovey, local. |
| 255 | <i>Conocephalum conicum</i> | Local on damp rocks where not too acid. |

SPHAGNA (All records from wet woodland at bottom of Lustleigh Cleave, NW of Clam Bridge.)

Sphagnales

279	<i>Sphagnum palustre</i>	Common.
283	<i>S.fimbriatum</i>	Small quantity.
288	<i>S.capillifolium</i>	Local.
291	<i>S.subnitens</i>	Common.
298	<i>S.denticulatum</i>	Common.
306	<i>S.fallax</i>	Common.

ACROCARPOUS MOSSES

Polytrichales

316	<i>Pogonatum aloides</i>	Locally common on steep sheltered acid banks.
320	<i>Polytrichastrum formosum</i>	Frequent on dry acid banks.
322	<i>Polytrichum commune</i>	Boggy ground, very local.
330	<i>Atrichum undulatum</i>	Frequent on sheltered loamy soil where not too acid or waterlogged.

Dicranales

354	<i>Ceratodon purpureus</i>	Local on open acid ground.
361	<i>Dichodontium pellucidum</i>	On boulders usually above water level.
367	<i>Dicranella rufescens</i>	Local on damp and steep acid banks.
371	<i>D.heteromalla</i>	Locally abundant on shaded acid banks.
378	<i>Dicranum scoparium</i>	Common on rocks, on acid bark and in acid turf.
379	<i>D.majus</i>	Very local on sheltered acid banks.
395	<i>Campylopus flexuosus</i>	Local on boulders and tree trunks.
408	<i>Fissidens curnovii</i>	Banks of R.Bovey, e.g. by Clam Bridge.
415	<i>F.taxifolius</i>	Local on sheltered soils where not too acid.

Pottiales

435	<i>Trichostomum tenuirostre</i>	Local on wet rocks. <i>Atlantic species.</i>
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Grimmiales

507	<i>Schistidium rivulare</i>	Local on rocks in and by R.Bovey. <i>Particularly on silt-covered boulders.</i>
534	<i>Racomitrium aciculare</i>	Frequent on boulders in Bovey (<i>normally above water level</i>).
535	<i>R.aquaticum</i>	Local on steep rock faces flushed by rain. <i>On boulders in river (as above).</i>
537	<i>R.heterostichum</i>	Local on granite. <i>Particularly on boulder tops.</i>

Bryales

602	<i>Epipterygium tozeri</i>	<i>Atlantic species.</i>
612	<i>Mnium hornum</i>	Common on dry sheltered acid banks.
616	<i>Rhizomnium punctatum</i>	Local in wet places.
618	<i>Plagiomnium undulatum</i>	Local in slightly shaded, sheltered grassland.
625	<i>Aulacomnium palustre</i>	Very local among Sphagna at bottom of Lustleigh Cleave.
630	<i>Bartramia pomiformis</i>	Local on shaded banks and walls, e.g. above gate, Wanford Wood.

Orthotrichales

647	<i>Orthotrichum affine</i>	Local on base-rich bark. <i>On small twigs on hazel.</i>
658	<i>Ulota crispa</i>	Widespread on twigs, particularly oak and hazel.
658	<i>Ulota bruchii</i>	As above.
665	<i>Hedwigia ciliata</i>	Local on open sunny rocks.

Hookeriales

667	<i>Hookeria lucens</i>	Locally common in wet, well shaded places. <i>Atlantic species.</i>
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PLEUROCARPOUS MOSSES

Hypnales

- 671 Fontinalis squamosa On rocks in R.Bovey.
 674 Climacium dendroides Local in Devon. Good colonies on boulders (*usually above water level*) at Horsham Steps and Clam Bridge. *Of interest because more usually found in marshy grassland or dune slacks.*
- 681 Neckera pumila Local on smooth-barked trees, particularly Hazel. *On small twigs.*
 682 N.complanata Local on bark. *Shows a high affinity for beech, which has few other species.*
 683 Homalia trichomanoides Local on tree bases by R.Bovey.
 684 Thamnobryum alopecurum Locally common on boulders in R.Bovey.
 687 Heterocladium heteroperum *On sheltered faces of boulders. Atlantic species.*
 696 Thuidium tamariscinum Local but widespread. *Frequent on woodland floor and boulders.*
 701 Cratoneuron filicinum Local on ground that is slightly basic and wet.
 702 Amblystegium serpens Basic bark, apparently very local.
 706 Hygroamblystegium fluviatile Local on rocks in R.Bovey.
 730 Hygrohypnum ochraceum Very local on rocks in R.Bovey.
 735 Isoetecium holtii Locally abundant on tops of boulders in R.Bovey, e.g. at Horsham Steps. *Atlantic species.*
- 736 I.myosuroides Often abundant on rocks and tree bases. *Little else on larger oaks.*
 737 I.alopecuroides Local on tree bases and rocks, particularly where slightly basic.
 738 Homalothecium sericeum Very local on basic-barked trees.
 746 Brachythecium rutabulum Local on basic bark.
 748 B.rivulare Locally frequent in and by water.
 751 B.plumosum Frequent on stones in R.Bovey.
 753 Pseudoscleropodium purum Local in turf where not too shaded.
 756 Cirriphyllum piliferum Very local on shaded ground where there is some basic influence.
 758 Platyhypnidium riparoides Common on rocks in streams. *Mostly on submerged boulder sides.*
 764 Eurhynchium striatum Locally frequent where not too acid.
 767 Kindbergia praelonga Local on shaded banks and tree bases where not too acid. *Frequent on woodland floor.*
- 768 Oxyrrhynchium hians Local on damp, slightly basic ground.
 780 Plagiothecium denticulatum var. denticulatum Very local on sheltered acidic banks.
 784 P.succulentum Local on shaded banks.
 784 P.nemorale As above.
 785 P.undulatum Very local on sheltered acidic banks. *Typical western oak wood species but rare here.*
- 788 Pseudotaxiphyllum elegans Locally frequent on well-sheltered acidic banks.
 797 Calliergonella cuspidata Local on damp basic ground.
 804 Hypnum andoi *Present on some oaks but usually 2m or more above ground..*
 805 H.resupinatum *Atlantic species.*
 812 Ctenidium molluscum Local on slightly basic ground.
 813 Hyocomium armoricum Frequent on rocks by R.Bovey. *In small quantity. Atlantic species.*
 816 Rhytidiadelphus triquetrus Local under trees on the better soils; good colonies opposite Foxworthy Mill.
 817 R.loreus Frequent. *On woodland floor and boulders.*
 818 R.squarrosus Local in turf where not too shaded.
 820 Loeskeobryum brevirostre Very local. Good colony on bank of R.Bovey opposite Foxworthy Mill. *Typical western oak wood species but rare here.*

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