

CARMARTHENSHIRE NATURE RECOVERY PLAN – BRYOPHYTES (MOSSES AND LIVERWORTS)





Environment (Wales) Act 2016 – Section 7 - Biodiversity lists and duty to take steps to maintain and enhance biodiversity


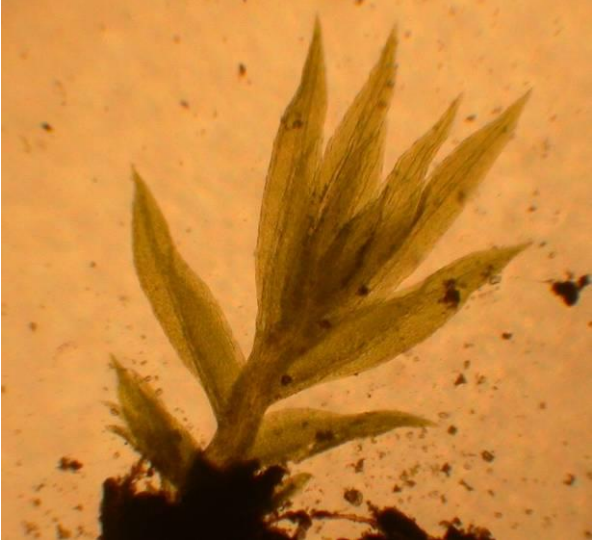


The species listed in this table have been identified by Welsh Government as part of a list of species and types of habitat found in Wales that they consider are of key significance to maintain and enhance biodiversity in this country. This list (S7 list) is currently under review by WG and Natural Resources Wales.





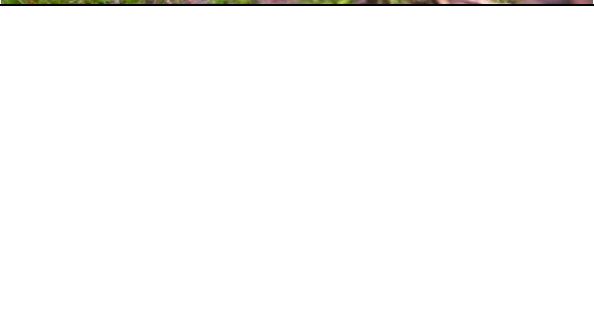

Public authorities (e.g. WG, councils) must take reasonable steps to maintain and enhance the species and types of habitat included in Section 7, and encourage others to take such steps. By safeguarding these species and habitats, improving their management and raising awareness about them it is hoped that a resilient natural environment in Wales will be sustained into the future.

Please refer to <http://rbg-web2.rbge.org.uk/bbs/bbs.htm> for more detailed species description information.

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SPECIES		HABITAT/ CARMARTHENSHIRE SITES	ISSUES/ACTION REQUIRED
Baltic bryum <i>Bryum marratti</i>		<ul style="list-style-type: none"> Found on the north side of Tywyn Burrows, and near Ferryside at Morfa Uchaf, in both cases where freshwater flows from dunes on to grazed salt marsh. 	<ul style="list-style-type: none"> Grazing of dune–saltmarsh transition for <i>Bryum marratii</i>
Multi-fruited river moss <i>Dendrocryphaea lamyana</i>		<ul style="list-style-type: none"> Found on the Teifi around Cenarth, Henllan, Pont Tyweli and Maesycrugiau, but commoner on the sunny north bank of the river. Also at one site on the Tywi at Nantgaredig – both Special Areas of Conservations. It is found on rocks on banks and overhanging trees. 	<ul style="list-style-type: none"> Laurel and conifer clearing for <i>Dendrocryphaea lamyana</i> by the Teifi Info passed to local anglers.
Irish Daltonia <i>Daltonia spachnoides</i>		<ul style="list-style-type: none"> Spreading into Wales from Ireland – likes ultra humid willow in conifer areas. One record from Brechfa Forest and one from near Llyn Brianne. 	<ul style="list-style-type: none"> No actions suitable.
Lead moss <i>Ditrichum plumbicola</i>		<ul style="list-style-type: none"> Found on two disused lead mines at Rhandirmwyn. The main site was designated in 2013 as Mwyngloddfa Nantymwyn SSSI. 	<ul style="list-style-type: none"> SSSI protection for <i>Ditrichum plumbicola</i> and <i>Scopelophila cataractae</i>

<p>Tongue-leaved copper moss <i>Scopelophila cataractae</i></p>		<ul style="list-style-type: none"> • Found at disused lead mines at Rhandirmwyn. The site was designated in 2013 as Mwyngloddfa Nantymwyn SSSI. • A population was also found in 2017 in the Loughor Estuary at Bynea. Many patches were found scattered on the two fingers of slag dumped on the saltmarsh there. 	<ul style="list-style-type: none"> • SSSI protection for <i>Ditrichum plumbicola</i> and <i>Scopelophila cataractae</i>
<p>Awl-leaved ditrichum <i>Ditrichum subulatum</i></p>		<ul style="list-style-type: none"> • Found on acidic banks above coastal creeks. One record from the Taf estuary north of Dylan Thomas' Boathouse, Laugharne. 	<ul style="list-style-type: none"> • Further survey for <i>Ditrichum subulatum</i> (estuary banks),
<p>Portuguese pocket moss <i>Fissidens curvatus</i></p>		<ul style="list-style-type: none"> • Found at Dryslwyn castle, but gorse scrub has invaded here, and also recorded on a lane bank near Llandeilo. 	<ul style="list-style-type: none"> • Scrub clearance at Dryslwyn Castle for <i>Fissidens curvatus</i> • Discuss with CADW?
<p>Petalwort <i>Petalophyllum ralfsii</i></p>		<ul style="list-style-type: none"> • Found at Laugharne–Pendine Burrows; extinct at Pembrey and Tywyn Burrows 	
<p>Lesser squirrel tail moss <i>Habrodon perpusillus</i></p>		<ul style="list-style-type: none"> • Found on sycamores at St John's Hill, on the south side of Laugharne. 	<ul style="list-style-type: none"> • Sycamore protection at Sir John's Hill for <i>Habrodon perpusillus</i> • CCC PROW informed of presence of moss at St John's Hill
<p>Spreading-leaved beardless moss <i>Weissia squarrosa</i></p>		<ul style="list-style-type: none"> • Found on a verge near Ferryside. 	<ul style="list-style-type: none"> • Further survey - (arable and ryegrass leys) • Pass details on to CCC Streetscene re verge management.

<p>Veilwort <i>Pallavicinia lyellii</i></p>		<ul style="list-style-type: none"> • Found in tussocky rank Molinia at Cors Goch, Glyn bog, Llyn Llech Owain, Llanpumsaint and recently on a ridge above Rhandirmwyn. 	<ul style="list-style-type: none"> • Water level management on bogs for <i>Pallavicinia lyellii</i>
<p>Other S7 species currently found only in the area of the county covered by BBNP but may well be present elsewhere</p>			
<p>Fragile frillwort <i>Fossombronía fimbriata</i></p>		<ul style="list-style-type: none"> • Found at Pont-ar-Wysg where a sheep track crosses a base-rich flush. 	<ul style="list-style-type: none"> • Maintain upland grazing for <i>Fossombronía fimbriata</i>
<p>Pitted frillwort <i>Fossombronía foveolata</i></p>	 <p>Most <i>Fossombronía</i> look identical and their spores need to be checked.</p>	<ul style="list-style-type: none"> • Found on banks of Usk Reservoir 	<ul style="list-style-type: none"> • Further survey - upland pools.
<p>Section 7 species previously recorded in the county but now considered extinct here</p>			
<p>Willson's pottia <i>Pottia wilsonii</i></p>		<ul style="list-style-type: none"> • Extinct, recorded once near Llansteffan in 1907. 	<ul style="list-style-type: none"> • Further survey of coastal slopes near Llansteffan
<p>Sea bryum <i>Bryum warneum</i></p>		<ul style="list-style-type: none"> • Not seen in Carms since 1910 but recently found at Whiteford Burrows. 	<ul style="list-style-type: none"> • Dune remobilisation for <i>Bryum warneum</i> and <i>Petalophyllum ralfsii</i> • CCC/MOD/NRW all removing sea buckthorn from coastal dunes. NRW recreating slacks at Pendine and Pembrey ranges
<div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <p><i>Partneriaeth Natur</i> SIR GŶR • CARMARTHENSHIRE <i>Nature Partnership</i></p> </div>  </div>			

- Recording is continuing and new sites continue to be found
- Other – the Oceanic Ravine bryophyte assemblage is threatened by hydro schemes through the reduction of humidity when water is removed to go through turbines.
- Further survey for *Tortula wilsonii* (thin soil on coastal rock).