CYNLLUN GWEITHREDU BIOAMRYWIAETH LLEOL SIR GAERFYRDDIN - CEN CARMARTHENSHIRE LOCAL BIODIVERSITY ACTION PLAN LBAP/S42 LICHENS

Please refer to <u>http://wales-lichens.org.uk/</u> for more detailed species description information All photos used with permission. Please note that some are taken at a high magnification

OVERALL OBJECTIVES

- To identify new sites for survey in the county.
- To re-survey key sites.
- Encourage volunteer interest in lichens.
- To use key species as a focus for public/school engagement.
- To raise awareness of these species and the issues affecting them.

Enw gwyddonol/Scientific			
name	Photo	Habitat/Carms sites	Issues/Action required
Bacidia incompta Photo: © Alan Orange		 Trunks of old 'basic' trees, especially elm (<i>Ulmus</i>), often in wound tracks. Castle woods, Llandeilo - last recorded 1981. Found on two horse chestnut trees at Dinefwr Park in autumn 2013 by Neil Sanderson 	 Identify and promote records mature elms for survey by lichenologists. Mature elm in Cwrt Henri churchyard – investigate.
Buellia hyperbolica Photo: ©Alan Orange		 Old parkland oaks. Glan Bran Deer Park, Cynghordy - last recorded 1981. Dinefwr Park - last recorded in 2012 - by Neil Sanderson. It was the largest population recorded in Britain. 	 Identify parkland sites for survey. Resurvey Glan Bran Deer Park.
Caloplaca herbidella Photo: ©Ray Woods		 On old trees in wood pasture. Glan Bran Deer Park, Cynghordy - last recorded 1995. 	 Identify parkland sites for survey. Resurvey Glan Bran Deer Park.
Collema fragile		 Limestone walls and rocks. Dinefwr Park - last recorded 1985. 	• Survey suitable sites.



Photo: ©Alan Orange

Enw gwyddonol/Scientific	Photo	Ushitat/Course sites	
name Collema fragrans Photo: © Alan Orange		 Habitat/Carms sites Nutrient-enriched bark, especially elm and sycamore. Dinefwr Park – Castle Woods - last recorded 1994 	 Issues/Action required Survey suitable sites.
Lecanographa amylacea Photo: ©Ray Woods		 Found on only in the driest of bark crevices of the root plate and lower trunks of ancient oak trees. Dinefwr - last recorded 1988. 	• Survey suitable sites.
Photo: ©Ray Woods		 In Wales it is most frequently found on ancient oak trees and rarely on ash, usually in pasture woodlands or in open fields or in hedgerows. 1985–95 Cynghordy, Dinefwr, Talley lakes. 2010, Dinefwr. 	• Survey suitable sites.
Parmelinopsis horrescens Photo: ©Ray Woods		 Prefers smooth neutral–acidic bark of trees such as birch, rowan, alder and young oak in sheltered humid woodlands. Cwmdu – 2004. 	• Survey suitable sites.
<i>Rinodina isidiodes</i> Photo: © Alan Orange		 Mature trees, over woods, ancient woodland. Cynghordy, Llangathen 1982, Dan y Parc 1995. 	• Survey suitable sites.

Schismatomma graphidioides



T ST ST	 It is a species of semi-open 	 Survey suitable sites.
10- 11- 12	wooded situations, most commonly	
	found at woodland-parkland	
	interfaces, in sheltered glades,	
	wood-pasture and at woodland	
10 C 10 C 10	edges.	
10	• Dinefwr - last recorded 1976.	
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Enw gwyddonol/Scientific			
name	Photo	Habitat/Carms sites	Issues/Action required
<i>Toninia sedifolia</i> Photo: ©Ray Woods		 It is not infrequent on calcareous sandy soil in, for example, the cracks between limestone rocks and on rock ledges in coastal areas. It also occurs amongst bryophytes on shell- rich sand dunes once accretion stops and before larger plants can invade. Many sites are rabbit grazed. Rarely on inland limestone. Wharley Point and Carreg Cennen – 1986 and 2010. 	
<i>Usnea articulata</i> Photo: ©Sam Bosanquet		 Its straggly, hair-like, tangled, usually unattached stems that can be up to a metre long, swell at intervals along the main branches to create small green/grey sausage-like strings c. 3mm in diam. There are three main habitats: hawthorns in windy places; the leeward side of windy larch plantations; and willow tops in wetlands. Other records come from oak and rowans. The windiness is a common factor. 	 More records to establish distribution. Over 20 sites in county now. Use this species to engage with public as easy to identify – send leaflet to schools/farmers unions, etc.
<i>Usnea florida</i> Photo: ©Alan Hale		 It forms rounded, upright, yellow- green shrub-like colonies on the twigs and smaller branches of trees and shrubs and occasionally on the timber of fences and gates. Over 50 records in the county 	• No urgent action required.
Lobarion assemblages <i>Lobaria pulmonaria</i> Photo: ©Ray Woods		 Records for Lobaria pulmonaria from three sites: Dinefwr, the Talley oak avenue and Whitland Abbey. Agonimia octospora was recorded on 15 trees in Dinefwr Park 	 More records to establish distribution. http://wales-lichens.org.uk/s42- communities/lobarion- community
Metallophyte assemblages	http://wales-lichens.org.uk/s42- communities/metallophyte- community	 Two disused lead mines at Rhandirmywn – Mwyngloddfa Nantymwyn SSSI. 	