OV42

Cymbalaria muralis community Cymbalarietum muralis Görs 1966

Constant species

Cymbalaria muralis.

Physiognomy

The Cymbalarietum muralis comprises often very open and fragmentary crevice vegetation in which little hanging clumps of Cymbalaria muralis are the most obvious feature. Indeed, Cymbalaria is the only frequent vascular plant in this community. There can be occasional scattered rosettes of small ferns – Asplenium trichomanes, A. ruta-muraria and Polypodium vulgare — together with patches of Sedum acre, short trails of Hedera helix, isolated tufts of grasses like Poa annua, Dactylis glomerata, Agrostis capillaris and A. stolonifera and some ephemeral herbs but the consistency and cover of such contributions are never high.

More frequent as a group are mosses with small patches of *Homalothecium sericeum* and tufts of *Schistidium apocarpum*, *Grimmia pulvinata*, *Tortula muralis*, *Bryum capillare* and *Barbula unguiculata* occasional to common in the crevices.

Habitat

The *Cymbalarietum* is characteristic of sunny crevices among the stone- and brick-work of boundary walls and buildings throughout the lowlands of Britain.

Zonation and succession

The Cymbalarietum can be found with other kinds of crevice vegetation where walls have been colonised by different mixtures of species tolerant of the extreme conditions of the habitat. In the warmer south and east of Britain, the Cymbalarietum can be found with the Parietarietum where Parietaria diffusa is the distinctive dominant among the crevices, and Segal (1969) saw this as sometimes a successional replacement for the Cymbalarietum. On more lime-rich mortar on sunlit walls throughout the lowlands, the community can be replaced by the Asplenietum where Cymbalaria is rare or absent and small asplenioids and more calcicolous bryophytes and herbs are characteristic.

Distribution

The community occurs widely on suitable habitats throughout the lowlands.

Affinites

Since the Cymbalarietum Görs 1966 was first characterised it has been widely described from other parts of continental Europe like The Netherlands (Westhoff & den Held 1969) and Germany (Pott 1982). In Segal's (1969) treatment of wall vegetation, a Gemeenschap van Linaria cymbalaria en Asplenium trichomanis was placed among the fern communities of a Cymbalario-Asplenion alliance, and some more recent accounts recognising a Cymbalarietum, like Mucina et al. (1993), follow this proposal.

Floristic table OV42

Schistidium apocarpum III (1–4) Grimmia pulvinata II (2–4) Tortula muralis II (1–4) Asplenium ruta-muraria II (2–4) Poa annua II (2–3) Sedum acre II (2–5)	Cymbalaria muralis	V (2–7)
Grimmia pulvinata Tortula muralis II (2-4) Asplenium ruta-muraria II (2-4) Poa annua II (2-3) Sedum acre II (2-5) Arenaria serpyllifolia II (1-3) Hedera helix II (3-4) Polypodium vulgare II (1-4) Bryum capillare II (3) Agrostis capillaris II (1-2) Asplenium trichomanes II (4) Dactylis glomerata II (1-2) Barbula unguiculata Agrostis stolonifera Festuca rubra Holcus lanatus II (1-3) II (1-2) Senecio vulgaris II (1-3) Urtica dioica II (1-3) Urtica dioica II (1-2) Valerianella locusta II (1-3) II (1-4) Barbula revoluta II (2-3) Orthotrichum anomalum II (1-3) Acer pseudoplatanus seedling II (1-2) II (1-2	Homalothecium sericeum	III (2–8)
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Barbula revoluta Bryum argenteum I (2-3) Orthotrichum anomalum Acer pseudoplatanus seedling Taraxacum officinale agg. Achillea millefolium I (2) Arrhenatherum elatius I (1) Brassica napus Buddleja davidii I (1) Calystegia sepium I (3) Cetastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Number of samples	Urtica dioica	I (1–2)
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Orthotrichum anomalum I (1-3) Acer pseudoplatanus seedling I (1-2) Taraxacum officinale agg. I (1-2) Achillea millefolium I (2) Arrhenatherum elatius I (1) Brassica napus I (2) Buddleja davidii I (1) Calystegia sepium I (3) Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples	Barbula revoluta	I (2)
Acer pseudoplatanus seedling I (1-2) Taraxacum officinale agg. I (1-2) Achillea millefolium I (2) Arrhenatherum elatius I (1) Brassica napus I (2) Buddleja davidii I (1) Calystegia sepium I (3) Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples	Bryum argenteum	I (2–3)
Taraxacum officinale agg. Achillea millefolium Arrhenatherum elatius Brassica napus I (1) Brassica napus I (2) Buddleja davidii I (1) Calystegia sepium I (3) Catapodium rigidium I (1) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples	Orthotrichum anomalum	
Achillea millefolium I (2) Arrhenatherum elatius I (1) Brassica napus I (2) Buddleja davidii I (1) Calystegia sepium I (3) Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1)	Acer pseudoplatanus seedling	I (1–2)
Arrhenatherum elatius I (1) Brassica napus I (2) Buddleja davidii I (1) Calystegia sepium I (3) Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples	Taraxacum officinale agg.	I (1–2)
Brassica napus I (2) Buddleja davidii I (1) Calystegia sepium I (3) Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples	Achillea millefolium	I (2)
Buddleja davidii I (1) Calystegia sepium I (3) Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples	Arrhenatherum elatius	I (1)
Calystegia sepium I (3) Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Brassica napus	I (2)
Catapodium rigidium I (3) Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Buddleja davidii	I (1)
Cerastium fontanum I (1) Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Calystegia sepium	I (3)
Cerastium semidecandrum I (1) Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Catapodium rigidium	I (3)
Tanacetum parthenium I (1) Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Cerastium fontanum	I (1)
Conyza canadensis I (3) Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Cerastium semidecandrum	I (1)
Crepis capillaris I (2) Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Tanacetum parthenium	I (1)
Epilobium montanum I (1) Euphorbia peplus I (1) Number of samples 24	Conyza canadensis	I (3)
Euphorbia peplus I (1) Number of samples 24	Crepis capillaris	I (2)
Number of samples 24	-	I (1)
	Euphorbia peplus	I (1)
Number of species/sample 7 (1–20)	Number of samples	24
	Number of species/sample	7 (1–20)