

12.2 FLOWERING PLANTS, FERNS AND ALLIES

The Red Data List of Derbyshire's Vascular Plants (Moyes & Willmot, 2009) identifies plant species of conservation concern within the county. This list encompasses plant species native to Derbyshire which are of conservation concern at levels ranging from international through to local.

The Red Data List of Derbyshire Vascular Plants has been adopted to form the following selection guidelines, with Table 8 below providing an explanation of the conservation status codes used within the list and subsequently within these guidelines.

The Red Data List includes a table listing native plants which have historically been recorded within Derbyshire but which have not been re-found since 1969. Should any of these species, or other native species which have not previously been recorded in Derbyshire, subsequently be discovered they would invariably then fall into one of the other categories and therefore be covered by the guidelines.

Table 8: Key to conservation status	
Status	Explanation
IR (Internationally Rare)	Endemic, restricted international distribution & listed in 'The Vascular Red Data Plant List for Great Britain'
NT (Nationally Threatened)	All International Union for Conservation of Nature (IUCN) categories
	CR - Critically Rare
	EN - Endangered
	VU - Vulnerable .
	NT - Near Threatened
NS (Nationally Scarce)	Species occurring in 16-100 Hectads in Great Britain but excluding rare species which qualify under the above main IUCN criteria.
LR (Locally Rare)	Known in 3 or fewer Derbyshire 1 km squares (monads) from 1969 onwards, and not in any category above.
LS (Locally Scarce)	Known in 4 to 10 1 km squares (monads) from 1969 onwards, and not in any category above
LD (Locally Declining)	Thought to be exhibiting serious recent decline. This is based on analysis of records from 2 consecutive 21 year periods. The detail of this analysis is provided within the Red Data List of Derbyshire's Vascular Plants.

Flowering Plants, ferns and allies Selection Guidelines

Sites that meet one or more of the following guidelines will be eligible for designation as a Local Wildlife Site.

Ff1 Any site which supports a population of plant species native to Derbyshire listed under either Category 1 (Internationally Rare), Category 2 (Nationally Threatened) or Category 3 (Nationally Scarce) of the Red Data List of Derbyshire's Vascular Plants (2009) or subsequent updates:

Application

This guideline can be applied to any plant species listed in the above categories of the Derbyshire Red Data List, including native species not recently or previously recorded. However, discretion should be used in relation to more widespread species that fall into these categories. In some cases the plant species present should be considered in the context of the overall quality of the vegetation community of which it is a part. This is especially relevant to Spring Sandwort, Large-leaved Lime and Mountain Currant. The plant species listed in Table 9a fall into this category.

Justification

Rare and declining plant species are often not protected through habitat specific guidelines and to ensure that these important plant species do not decline any site supporting a plant in one of the above categories can be selected as a Local Wildlife Site.

Table 9a Plant species recorded within Derbyshire with a national or international conservation status			
Scientific Name	Common Name	Status	No. post 1986 monads (DBRC – 2009)
<i>Allium oleraceum</i>	Field Garlic	VU	21
<i>Anacamptis morio</i>	Green-winged Orchid	NT	2
<i>Anagallis arvensis ssp .foemina</i>	Blue Pimpernel	NS	0
<i>Anagallis minima</i>	Chaffweed	NT	0
<i>Anthemis cotula</i>	Stinking Chamomile	VU	0
<i>Asplenium trichomanes ssp. pachyrachis</i>	a Maidenhair Spleenwort	NR	3
<i>Baldellia ranunculoides</i>	Lesser Water-plantain	NT	1
<i>Blysmus compressus</i>	Flat-sedge	VU	6
<i>Bromopsis benekenii</i>	Lesser Hairy-brome	NS	1
<i>Callitriche truncata</i>	Short-leaved Water-starwort	NS	4
<i>Cardamine impatiens</i>	Narrow-leaved Bitter-cress	NT, NS	33
<i>Carex digitata</i>	Fingered Sedge	NS	9

Table 9a Plant species recorded within Derbyshire with a national or international conservation status			
Scientific Name	Common Name	Status	No. post 1986 monads (DBRC – 2009)
<i>Carex ericetorum</i>	Rare Spring-sedge	VU, NS	1
<i>Carex montana</i>	Soft-leaved Sedge	NS	3
<i>Carex ornithopoda</i>	Bird's-foot Sedge	NR	7
<i>Chamaemelum nobile</i>	Chamomile	VU	0
<i>Clinopodium acinos</i>	Basil Thyme	VU	9
<i>Coeloglossum viride</i>	Frog Orchid	VU	44
<i>Cynoglossum officinale</i>	Hound's-tongue	NT	1
<i>Daphne mezereum</i>	Mezereon	VU, NS	13
<i>Dianthus deltoides</i>	Maiden Pink	NT, NS	16
<i>Draba muralis</i>	Wall Whitlowgrass	NS	51
<i>Epipactis atrorubens</i>	Dark-red Helleborine	NS	9
<i>Epipactis phyllanthes</i>	Green-flowered Helleborine	NS	1
<i>Euphorbia exigua</i>	Dwarf Spurge	NT	20
<i>Euphrasia anglica</i>	an eyebright	EN	2
<i>Euphrasia officinalis</i> ssp. <i>pratensis</i>	an eyebright	VU	1
<i>Filago vulgaris</i>	Common Cudweed	NT	32
<i>Galeopsis angustifolia</i>	Red Hemp-nettle	CR, NS	7
<i>Galeopsis speciosa</i>	Large-flowered Hemp-nettle	VU	13
<i>Genista anglica</i>	Petty Whin	NT	7
<i>Gentianella campestris</i>	Field Gentian	VU	2
<i>Gnaphalium sylvaticum</i>	Heath Cudweed	EN	2
<i>Groenlandia densa</i>	Opposite-leaved Pondweed	VU	0
<i>Gymnocarpium robertianum</i>	Limestone Fern	NS	29
<i>Helleborus foetidus</i>	Stinking Hellebore	NS	16
<i>Hieracium acuminatum</i>	a hawkweed	NR	
<i>Hieracium naviense</i>	a hawkweed	NR	1
<i>Hordelymus europaeus</i>	Wood Barley	NS	23
<i>Hornungia petraea</i>	Hutchinsia	NS	22
<i>Hyoscyamus niger</i>	Henbane	VU	3
<i>Hypericum montanum</i>	Pale St. John's-wort	NT	17
<i>Hypopitys monotropa</i>	Yellow Bird's-nest	EN	7
<i>Juncus compressus</i>	Round-fruited Rush	NT	5
<i>Limosella aquatica</i>	Mudwort	NS	5
<i>Lithospermum arvense</i>	Field Gromwell	EN	2
<i>Luronium natans</i>	Floating Water-plantain	IR	0
<i>Mentha pulegium</i>	Pennyroyal	EN, NS	1
<i>Minuartia hybrida</i>	Fine-leaved Sandwort	EN, NS	2
<i>Minuartia verna</i>	Spring Sandwort	NT, NS	125
<i>Myriophyllum verticillatum</i>	Whorled Water-milfoil	VU	2
<i>Neotinea ustulata</i>	Burnt Orchid	EN, NS	6
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	NT	10

Table 9a Plant species recorded within Derbyshire with a national or international conservation status			
Scientific Name	Common Name	Status	No. post 1986 monads (DBRC – 2009)
<i>Nepeta cataria</i>	Cat-mint	VU	6
<i>Noccaea caerulescens</i>	Alpine Penny-cress	NS	45
<i>Oenanthe fistulosa</i>	Tubular Water-dropwort	VU	11
<i>Ophrys insectifera</i>	Fly Orchid	VU	13
<i>Orobanche purpurea</i>	Yarrow Broomrape	VU, NR	0
<i>Papaver argemone</i>	Prickly Poppy	VU	1
<i>Persicaria minor</i>	Small Water-pepper	VU	1
<i>Platanthera bifolia</i>	Lesser Butterfly-orchid	VU	0
<i>Platanthera chlorantha</i>	Greater Butterfly-orchid	NT	6
<i>Polemonium caeruleum</i>	Jacob's-ladder	NR	54
<i>Polygonatum odoratum</i>	Angular Solomon's-seal	NS	2
<i>Potamogeton compressus</i>	Grass-wrack Pondweed	EN, NS	3
<i>Potamogeton friesii</i>	Flat-stalked Pondweed	NT, NS	1
<i>Potamogeton praelongus</i>	Long-stalked Pondweed	NT	2
<i>Potentilla argentea</i>	Hoary Cinquefoil	NT	7
<i>Potentilla crantzii</i>	Alpine Cinquefoil	NS	3
<i>Potentilla neumanniana</i>	Spring Cinquefoil	NS	51
<i>Pyrola rotundifolia</i> ssp. <i>rotundifolia</i>	Round-leaved Wintergreen	NT, NS	0
<i>Ranunculus arvensis</i>	Corn Buttercup	CR	2
<i>Ribes alpinum</i>	Mountain Currant	NS	31
<i>Rubus durescens</i>	a bramble	NR	4
<i>Saxifraga hypnoides</i>	Mossy Saxifrage	VU	76
<i>Scandix pecten-veneris</i>	Shepherd's-needle	CR	1
<i>Scleranthus annuus</i>	Annual Knawel	EN	2
<i>Sesleria caerulea</i>	Blue Moor-grass	NS	1
<i>Silene nutans</i>	Nottingham Catchfly	NT, NS	24
<i>Sorbus rupicola</i>	a whitebeam	NS	23
<i>Spiranthes spiralis</i>	Autumn Lady's-tresses	NT	0
<i>Stachys arvensis</i>	Field Woundwort	VU	25
<i>Stellaria palustris</i>	Marsh Stitchwort	VU	13
<i>Teesdalia nudicaulis</i>	Shepherd's Cress	NT	1
<i>Thelypteris palustris</i>	Marsh Fern	NS	1
<i>Tilia platyphyllos</i>	Large-leaved Lime	NS	56
<i>Trichomanes speciosum</i>	Killarney Fern	IR	2
<i>Turritis glabra</i>	Tower Mustard	EN, NS	0
<i>Valerianella dentata</i>	Narrow-fruited Cornsalad	EN	0
<i>Viola canina</i>	Heath Dog-violet	NT	10
<i>Viola tricolor</i> ssp. <i>tricolor</i>	Wild Pansy	NT	2
<i>Wahlenbergia hederacea</i>	Ivy-leaved Bellflower	NT	14

Ff2 Any site which supports a population of plant species listed as 'Locally Rare' on the Red Data List of Derbyshire's Vascular Plants.-

Application

All sites supporting a population of a plant in the above category can be included, except for those populations which are the result of deliberate introductions (which do not form part of a species recovery programme) or localities where a species occurs as a short-term casual. Table 9b lists those species that fall into the 'Locally Rare' category

Justification

Locally Rare plant species are vulnerable to local extinction and should be protected at their key sites.

Table 9b Plant species recorded within Derbyshire considered to be Locally Rare (known in 3 or fewer 1 km squares from 1969 onwards but without an international or national conservation status)			
Scientific Name	Common Name	Status	No. post 1986 monads (DBRC – 2009)
<i>Calamagrostis canescens</i>	Purple Small-reed	LR	0
<i>Callitriche hermaphroditica</i>	Annual Water-starwort	LR	2
<i>Carex distans</i>	Distant Sedge	LR	0
<i>Carex elata</i>	Tufted Sedge	LR	1
<i>Ceratophyllum submersum</i>	Soft Hornwort	LR	1
<i>Colchicum autumnale</i>	Meadow Saffron	LR	0
<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush	LR	1
<i>Epipactis palustris</i>	Marsh Helleborine	LR	1
<i>Equisetum hyemale</i>	Rough Horsetail	LR	1
<i>Eriophorum latifolium</i>	Broad-leaved Cottongrass	LR	3
<i>Euphorbia amygdaloides</i>	Wood Spurge	LR	3
<i>Fumaria capreolata</i>	White Ramping-fumitory	LR	0
<i>Geranium sylvaticum</i>	Wood Crane's-bill	LR	0
<i>Hypericum elodes</i>	Marsh St. John's-wort	LR	0
<i>Juncus foliosus</i>	Leafy Rush	LR	1
<i>Lathyrus nissolia</i>	Grass Vetchling	LR	2
<i>Oenanthe fluviatilis</i>	River Water-dropwort	LR	1
<i>Orobanche rapum-genistae</i>	Greater Broomrape	LR	0
<i>Osmunda regalis</i>	Royal Fern	LR	0
<i>Pedicularis palustris</i>	Marsh Lousewort	LR	0
<i>Polypodium cambricum</i>	Southern Polypody	LR	1
<i>Ranunculus sardous</i>	Hairy Buttercup	LR	2
<i>Samolus valerandi</i>	Brookweed	LR	1
<i>Trientalis europaea</i>	Chickweed Wintergreen	LR	1
<i>Trifolium fragiferum</i>	Strawberry Clover	LR	0
<i>Ulmus plotii</i>	Plot's Elm	LR	0
<i>Vaccinium uliginosum</i>	Bog Bilberry	LR	1

Ff3 Any site that supports a population of plant species categorised as 'Locally Scarce' or 'Declining' within the Red Data List of Derbyshire's Vascular Plants where the population is considered to be native to that site.

Application

All sites supporting a naturally established population of a plant in the above categories can be considered for designation. Exceptions to this are populations which are the result of deliberate introductions (unless this is part of an approved habitat creation or habitat enhancement programme), translocations, or where species occur as a short-term casual Table 9c lists species that fall into these categories.

Justification

Species included here whilst not immediately in danger of extinction in the County may, nevertheless, be at risk and could fall into the Locally Rare category without adequate preventative measures.

Table 9c Plant species recorded within Derbyshire considered to be Locally Scarce (known in 4 to 10 monads from 1969 onwards but without an international or national conservation status) or Declining (thought to be exhibiting serious recent local decline on the basis of data analysis)			
Scientific Name	Common Name	Status	No. post 1986 monads (DBRC – 2009)
<i>Agrimonia procera</i>	Fragrant Agrimony	LD	6
<i>Alisma lanceolatum</i>	Narrow-leaved Water plantain	LS	6
<i>Allium scorodoprasum</i>	Sand Leek	LS	5
<i>Alopecurus aequalis</i>	Orange Foxtail	LD	10
<i>Anagallis tenella</i>	Bog Pimpernel	LD	11
<i>Antennaria dioica</i>	Mountain Everlasting	LD	10
<i>Anthriscus caucalis</i>	Bearberry	LS	1
<i>Apium inundatum</i>	Lesser Marshwort	LD	3
<i>Arctostaphylos uva-ursi</i>	Bur Parsley	LS	8
<i>Asplenium trichomanes ramosum</i>	Green Spleenwort	LD	23
<i>Bromopsis erecta</i>	Upright Brome	LD	19
<i>Callitriche brutia ssp. hamulata</i>	Intermediate Water-starwort	LD	3
<i>Callitriche obtusangula</i>	Blue-fruited Water-starwort	LS	4
<i>Callitriche platycarpa</i>	Various-leaved Water-starwort	LD	12
<i>Campanula glomerata</i>	Clustered Bellflower	LD	16
<i>Carex acuta</i>	Slender Tufted-sedge	LD	6
<i>Carex dioica</i>	Dioecious Sedge	LS	1
<i>Carex disticha</i>	Brown Sedge	LD	13

Table 9c Plant species recorded within Derbyshire considered to be Locally Scarce (known in 4 to 10 monads from 1969 onwards but without an international or national conservation status) or Declining (thought to be exhibiting serious recent local decline on the basis of data analysis)			
Scientific Name	Common Name	Status	No. post 1986 monads (DBRC – 2009)
<i>Carex divulsa</i>	Grey Sedge	LS	4
<i>Carex hostiana</i>	Tawny Sedge	LD	3
<i>Carex muricata ssp.pairae</i>	Prickly Sedge	LD	0
<i>Carex pallescens</i>	Pale Sedge	LD	25
<i>Carex strigosa</i>	Thin-spiked Wood-sedge	LS	7
<i>Carex vesicaria</i>	Bladder-sedge	LD	19
<i>Catabrosa aquatica</i>	Whorl-grass	LS	3
<i>Circaea alpina x lutetiana (C. x intermedia)</i>	Upland Enchanter's-nightshade	LD	2
<i>Cirsium dissectum</i>	Meadow Thistle	LS	4
<i>Clinopodium ascendens</i>	Common Calamint	LD	6
<i>Dactylorhiza incarnata</i>	Early Marsh-orchid	LS	5
<i>Diphasiastrum alpinum</i>	Alpine Clubmoss	LD	7
<i>Dipsacus pilosus</i>	Small Teasel	LD	17
<i>Dryopteris carthusiana</i>	Narrow Buckler-fern	LD	60
<i>Eleocharis acicularis</i>	Needle Spike-rush	LS	3
<i>Epilobium roseum</i>	Pale Willowherb	LD	24
<i>Festuca altissima</i>	Wood Fescue	LS	6
<i>Festuca filiformis</i>	Fine-leaved Sheep's-fescue	LS	1
<i>Filago minima</i>	Small Cudweed	LS	4
<i>Fumaria muralis</i>	Common Ramping-fumitory	LS	5
<i>Gagea lutea</i>	Yellow Star-of-Bethlehem	LD	18
<i>Galium uliginosum</i>	Fen Bedstraw	LD	24
<i>Genista tinctoria</i>	Dyer's Greenweed	LD	52
<i>Helleborus viridis</i>	Green Hellebore	LD	13
<i>Hippocrepis comosa</i>	Horseshoe Vetch	LS	3
<i>Hottonia palustris</i>	Water-violet	LD	7
<i>Jasione montana</i>	Sheep's-bit	LD	8
<i>Juncus subnodulosus</i>	Blunt-flowered Rush	LS	1
<i>Kickxia elatine</i>	Sharp-leaved Fluellen	LS	2
<i>Lathyrus sylvestris</i>	Narrow-leaved Everlasting-pea	LS	2
<i>Legousia hybrida</i>	Venus's-looking-glass	LS	1
<i>Leontodon saxatilis</i>	Lesser Hawkbit	LD	44
<i>Lepidium heterophyllum</i>	Smith's Pepperwort	LD	7
<i>Lithospermum officinale</i>	Common Gromwell	LD	9
<i>Lotus tenuis</i>	Narrow-leaved Bird's-foot-trefoil	LS	3

Table 9c Plant species recorded within Derbyshire considered to be Locally Scarce (known in 4 to 10 monads from 1969 onwards but without an international or national conservation status) or Declining (thought to be exhibiting serious recent local decline on the basis of data analysis)			
Scientific Name	Common Name	Status	No. post 1986 monads (DBRC – 2009)
<i>Lycopodium clavatum</i>	Stag's-horn Clubmoss	LD	16
<i>Menyanthes trifoliata</i>	Bogbean	LD	26
<i>Myriophyllum alterniflorum</i>	Alternate Water-milfoil	LS	4
<i>Nasturtium microphyllum</i>	Narrow-fruited Watercress	LD	19
<i>Oenanthe aquatica</i>	Fine-leaved Water-dropwort	LS	8
<i>Ononis spinosa</i>	Spiny Restharrow	LD	14
<i>Ornithopus perpusillus</i>	Bird's-foot	LD	6
<i>Orobanche minor</i>	Common Broomrape	LS	2
<i>Paris quadrifolia</i>	Herb Paris	LD	7
<i>Pinguicula vulgaris</i>	Common Butterwort	LD	29
<i>Poa angustifolia</i>	Narrow-leaved Meadow-grass	LS	5
<i>Potamogeton alpinus</i>	Red Pondweed	LS	1
<i>Potamogeton lucens</i>	Shining Pondweed	LS	2
<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed	LS	2
<i>Potamogeton perfoliatus</i>	Perfoliate Pondweed	LD	7
<i>Potentilla palustris</i>	Marsh Cinquefoil	LD	10
<i>Ranunculus circinatus</i>	Fan-leaved Water-crowfoot	LD	14
<i>Rubus saxatilis</i>	Stone Bramble	LD	19
<i>Salix purpurea</i>	Purple Willow	LD	20
<i>Scirpus sylvaticus</i>	Wood Club-rush	LD	24
<i>Scrophularia umbrosa</i>	Green Figwort	LS	1
<i>Serratula tinctoria</i>	Saw-wort	LD	28
<i>Silaum silaus</i>	Pepper-saxifrage	LD	8
<i>Sison amomum</i>	Stone Parsley	LS	3
<i>Spergularia rubra</i>	Sand Spurrey	LD	22
<i>Stellaria pallida</i>	Lesser Chickweed	LS	0
<i>Thalictrum flavum</i>	Common Meadow-rue	LD	14
<i>Trifolium subterraneum</i>	Subterranean Clover	LS	3
<i>Triglochin palustris</i>	Marsh Arrowgrass	LD	26
<i>Trollius europaeus</i>	Globe-flower	LD	24
<i>Valeriana dioica</i>	Marsh Valerian	LD	37
<i>Verbascum nigrum</i>	Dark Mullein	LD	15
<i>Verbena officinalis</i>	Vervain	LS	3
<i>Veronica polita</i>	Grey Field-speedwell	LD	10
<i>Veronica scutellata</i>	Marsh Speedwell	LD	9
<i>Vicia sylvatica</i>	Wood Vetch	LS	7
<i>Zannichellia palustris</i>	Horned Pondweed	LD	12



Marsh Helleborine