

11.2 FLOWERING PLANTS, FERNS AND ALLIES

Application (all flowering plant and fern guidelines)

These guidelines relate to species occurring naturally in Derbyshire although in special cases established species may be considered. The explanation of conservation status codes is provided in Table 7 below: -

Table 7: Key to Conservation Status	
Status	Explanation
NEx	Near extinct in Derbyshire - includes species with records between 1951 and the end of 1986 but with no post 1986 records.
RL – V	British Red List – Vulnerable
RL – E	British Red List – Endangered
RL – CE	British Red List – Critically Endangered
NT	Near Threatened
ECD	EC Directives Annexe (s) Vb and Iib and Ivb.
WCA	Wildlife and Countryside Act 1981 (as amended)
NS	Nationally Scarce (known in 16 – 100 GB hectads)
LR	Locally Rare – Known in 1 – 3 1km squares (monads) in Derbyshire
LS	Locally Scarce – Known in 4 – 10 1km squares (monads) in Derbyshire

Flowering Plants, ferns and allies Selection Guidelines

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

Ff1 Any site which supports a population of plant species native to Derbyshire listed under any of the following categories is eligible for selection:

- 1) a species listed in schedules 8 of the Wildlife and Countryside Act 1981 (as revised and amended)
- 2) a species listed in the British Red Data Books 1 Vascular Plants 3rd edition (Wiggington, M.J., 1999) and any subsequent revisions or updates.
- 3) a species considered to be ‘nationally scarce’ (Stewart. A et al, 1994) and any subsequent revisions or updates.

Application

This guideline can be applied to any plant species in the categories above 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 8a 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 Wildlife Site.

Table 8a Plant species recorded in Derbyshire with a national or international status.			
Scientific Name	Common Name	Status	No of post 1986 monads (DBRC, Dec 2001)
<i>Arabis glabra</i>	Tower Mustard	RL – V NEx	0
<i>Bromopsis benekenii</i>	Lesser Hairy Brome	NS	1
<i>Callitriche truncata</i>	Short-leaved Water-starwort	NS – NEx	0
<i>Cardamine impatiens</i>	Narrow-leaved Bittercress	NS -	27
<i>Carex digitata</i>	Fingered Sedge	NS	7
<i>Carex ericetorum</i>	Rare Spring Sedge	NS	1
<i>Carex montana</i>	Soft-leaved Sedge	NS	2
<i>Carex ornithopoda</i>	Bird's-foot Sedge	NT	7
<i>Chamaemelum nobile</i>	Chamomile	NS – NEx	0
<i>Daphne mezereum</i>	Mezereon	NS	12
<i>Dianthus deltoides</i>	Maiden Pink	NS	13
<i>Draba muralis</i>	Wall Whitlowgrass	NS	49
<i>Epipactis atrorubens</i>	Dark-red Helleborine	NS	8
<i>Epipactis phyllanthes</i>	Green Flowered Helleborine	NS	2
<i>Euphrasia rostkoviana ssp. rostkoviana</i>	Eyebright	NS	1
<i>Galeopsis angustifolia</i>	Red Hemp-nettle	NS	6
<i>Gymnocarpium robertianum</i>	Limestone Fern	NS	23
<i>Helleborus foetidus</i>	Stinking Hellebore	NS	15
<i>Hordelymus europaeus</i>	Wood Barley	NS	19
<i>Hornungia petraea</i>	Hutchinsia	NS	20
<i>Limosella aquatica</i>	Mudwort	NS	4
<i>Mentha pulegium</i>	Pennyroyal	RL – V, WCA	1
<i>Minuartia hybrida</i>	Fine-leaved Sandwort	NS	2
<i>Minuartia verna</i>	Leadwort (Spring Sandwort)	NS	94
<i>Myriophyllum verticillatum</i>	Whorled Water-milfoil	NS – NEx	0
<i>Orchis ustulata</i>	Burnt-tip Orchid	NS	5

<i>Pilosella peleteriana</i> ssp. <i>tenuiscapa</i>	A shaggy mouse-ear-hawkweed	RL – V NEx	0
<i>Polemonium caeruleum</i>	Jacob's-ladder	NT	38
<i>Polygonatum odoratum</i>	Angular Solomon's-seal	NS	2
<i>Potamogeton compressus</i>	Grass-wrack Pondweed	NS	1
<i>Potentilla crantzii</i>	Alpine Cinquefoil	NS	2
<i>Potentilla neumanniana</i>	Spring Cinquefoil	NS	43
<i>Pyrola rotundifolia</i> ssp. <i>rotundifolia</i>	Round-leaved Wintergreen	NS – NEx	0
<i>Ribes alpinum</i>	Mountain Currant	NS	27
<i>Scandix pecten-veneris</i>	Shepherd's-needle	NS	1
<i>Sesleria caerulea</i>	Blue Moor-grass	NS	2
<i>Silene nutans</i>	Nottingham Catchfly	NS	23
<i>Sorbus rupicola</i>	Rock Whitebeam	NS	21
<i>Thelypteris palustris</i>	Marsh Fern	NS	1
<i>Thlaspi caerulescens</i>	Alpine Penny-cress	NS	36
<i>Tilia platyphyllos</i>	Large-leaved Lime	NS	42
<i>Trichomanes speciosum</i>	Killarney Fern	RL – V, ECD, WCA	2

Ff2 Any site which supports a population of plant species listed as 'Locally Rare' on the provisional list of Red Data Book plant species for Derbyshire.

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 8b lists those species that fall into this category (March 2002).

Justification

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

Table 8b Locally Rare Plant species occurring in 1 – 3 1 km squares based on post 1986 records only and species with records since 1951 but not since 1987.

Scientific Name	Common Name	Status	No of post 1986 monads (DBRC, Dec 2001)
<i>Agrimonia procera</i>	Fragrant Agrimony	LR	3
<i>Anagallis minima</i>	Chaffweed	NEx	0
<i>Anthriscus caucalis</i>	Bur Parsley	LR	1

<i>Apium inundatum</i>	Lesser Marshwort	LR	2
<i>Arctium nemorosum</i>	Wood Burdock	LR	2
<i>Baldellia ranunculoides</i>	Lesser Water-plantain	NE _x	0
<i>Calamagrostis canescens</i>	Purple Small-reed	N _{ex}	0
<i>Callitriche obtusangula</i>	Blue-fruited Water-starwort	LR	2
<i>Carex acuta</i>	Slender Tufted Sedge	LR	1
<i>Carex dioica</i>	Dioecious Sedge	LR	1
<i>Carex distans</i>	Distant Sedge	NE _x	0
<i>Carex divulsa</i>	Grey Sedge	LR	3
<i>Carex elata</i>	Tufted Sedge	NE _x	0
<i>Carex hostiana</i>	Tawny Sedge	LR	3
<i>Carex muricata</i>	Prickly Sedge	LR	1
<i>Carex muricata ssp. lamprocarpa</i>	Prickly Sedge	NE _x	0
<i>Catabrosa aquatica</i>	Whorl-grass	LR	3
<i>Ceratophyllum submersum</i>	Soft Hornwort	NE _x	0
<i>Circaea alpina x lutetiana (C. x intermedia)</i>	Upland Enchanter's Nightshade	LR	2
<i>Clinopodium ascendens</i>	Common Calamint	LR	3
<i>Colchicum autumnale</i>	Meadow Saffron	LR	1
<i>Cynoglossum officinale</i>	Hound's-tongue	LR	2
<i>Dactylorhiza incarnata</i>	Early Marsh Orchid	LR	3
<i>Dactylorhiza incarnata ssp. coccinea</i>	An early marsh-orchid subspecies	LR	1
<i>Dactylorhiza incarnata ssp. incarnata</i>	An early marsh-orchid subspecies	LR	1
<i>Dactylorhiza incarnata ssp. pulchella</i>	An early marsh-orchid subspecies	LR	2
<i>Eleocharis acicularis</i>	Needle Spike-rush	LR	1
<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush	LR	1
<i>Epipactis palustris</i>	Marsh Helleborine	LR	3
<i>Equisetum hyemale</i>	Rough Horsetail	LR	1
<i>Eriophorum latifolium</i>	Broad-leaved Cottongrass	LR	2
<i>Euphorbia amygdaloides</i>	Wood Spurge	NE _x	0
<i>Euphrasia anglica</i>	an eyebright	LR	2
<i>Euphrasia artica ssp. borealis</i>	an eyebright	NE _x	0
<i>Filago minima</i>	Small Cudweed	LR	2
<i>Fumaria capreolata ssp. babingtonii</i>	White Ramping-fumitory	NE _x	0
<i>Fumaria muralis</i>	Common Ramping-fumitory	LR	5
<i>Gentianella campestris</i>	Field Gentian	LR	3
<i>Geranium sylvaticum</i>	Wood Crane's-bill	NE _x	0
<i>Gnaphalium sylvaticum</i>	Heath Cudweed	LR	2
<i>Groenlandia densa</i>	Opposite-leaved Pondweed	NE _x	0
<i>Gymnadenia conopsea ssp.</i>	A Fragrant Orchid subspecies	NE _x	0

<i>conopsea</i>			
<i>Hyoscyamus niger</i>	Henbane	LR	3
<i>Hypericum elodes</i>	Marsh St John's-wort	NEx	0
<i>Juncus subnodulosus</i>	Blunt-flowered Rush	NEx	0
<i>Kickxia elatine</i>	Sharp-leaved Fluellen	LR	2
<i>Lathyrus nissolia</i>	Grass Vetchling	LR	1
<i>Legousia hybrida</i>	Venus's-looking Glass	LR	1
<i>Lithospermum arvense</i>	Field Gromwell	LR	1
<i>Lotus glaber</i>	Narrow-leaved Bird's-foot-trefoil	LR	2
<i>Monotropa hypopitys</i> ssp. <i>hypophegea</i>	A bird's-nest subspecies	NEx	0
<i>Montia fontana</i> ssp. <i>amporitana</i>	A Blinks subspecies	NEx	0
<i>Montia fontana</i> ssp. <i>variabilis</i>	A Blinks subspecies	NEx	0
<i>Myriophyllum alterniflorum</i>	Alternate Water-milfoil	LR	3
<i>Orchis morio</i>	Green-winged Orchid	LR	1
<i>Orobanche minor</i>	Common Broomrape	LR	2
<i>Osmunda regalis</i>	Royal Fern	NEx	0
<i>Papaver argemone</i>	Prickly Poppy	NEx	0
<i>Pedicularis palustris</i>	Marsh Lousewort	NEx	0
<i>Potamogeton alpinus</i>	Red Pondweed	LR	1
<i>Potamogeton friesii</i>	Flat-stalked Pondweed	LR	1
<i>Potamogeton lucens</i>	Shining Pondweed	LR	3
<i>Potamogeton obtusifolius</i>	Blunt-leaved Pondweed	LR	3
<i>Potamogeton praelongus</i>	Long-stalked Pondweed	LR	2
<i>Ranunculus arvensis</i>	Corn Buttercup	LR	3
<i>Ranunculus parviflorus</i>	Small-flowered Buttercup	NEx	0
<i>Ranunculus sardous</i>	Hairy Buttercup	LR	1
<i>Rosa rubiginosa</i>	Sweet Briar	LR	1
<i>Scleranthus annuus</i>	Annual Knawel	LR	1
<i>Scrophularia umbrosa</i>	Green Figwort	LR	1
<i>Sorbus aria</i>	A common whitebeam	NEx	0
<i>Sparganium erectum</i> ssp. <i>microcarpum</i>	A branched bur-reed subspecies	NEx	0
<i>Spiranthes spiralis</i>	Autumn Lady's-tresses	NEx	0
<i>Stellaria pallida</i>	Lesser Chickweed	NEx	0
<i>Stellaria palustris</i>	Marsh Stitchwort	LR	3
<i>Teesdalia nudicaulis</i>	Shepherd's Cress	NEx	0
<i>Trientalis europaea</i>	Chickweed Wintergreen	LR	1
<i>Trifolium fragiferum</i>	Strawberry Clover	NEx	0
<i>Trifolium subterraneum</i>	Subterranean Clover	LR	2
<i>Valerianella dentata</i>	Narrow-fruited Cornsalad	NEx	0
<i>Verbena officinalis</i>	Vervain	LR	2

Ff3 Any site that supports a population of plant species categorized as ‘Locally Scarce’ on the provisional list of Red Data Book plant species for Derbyshire where the population is considered to represent an established and significant population.

Application

All sites for plants in the above category which are not covered elsewhere may be considered where they significantly extend the range of the species in Derbyshire, or support a significant proportion of the Derbyshire population of that species. Table 8c lists species that fall into this category.

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 8c Locally Scarce Plant species occurring in 4 – 10 1 km squares based on post 1986 records only.

Scientific Name	Common Name	No of post 1986 monads (DBRC, Dec 2001)
<i>Alisma lanceolatum</i>	Narrow-leaved Water-plantain	4
<i>Allium scorodoprasum</i>	Sand Leek	4
<i>Alopecurus aequalis</i>	Orange Foxtail	6
<i>Andromeda polifolia</i>	Bog Rosemary	7
<i>Antennaria dioica</i>	Mountain Everlasting	6
<i>Aphanes australis</i>	Slender Parsley-piert	8
<i>Arctium lappa</i>	Greater Burdock	4
<i>Arctostaphylos uva-ursi</i>	Bearberry	8
<i>Blysmus compressus</i>	Flat Sedge	6
<i>Brassica nigra</i>	Black Mustard	9
<i>Callitriche hamulata sens.str.</i>	Intermediate Water-starwort	4
<i>Callitriche platycarpa</i>	Various-leaved Water-starwort	5
<i>Carex disticha</i>	Brown Sedge	6
<i>Carex divulsa ssp. Leersii</i>	Grey Sedge	6
<i>Carex pseudocyperus</i>	Cyperus Sedge	8
<i>Carex strigosa</i>	Thin-spiked Wood Sedge	6
<i>Cerastium arvense</i>	Field Mouse-ear	9
<i>Cirsium dissectum</i>	Meadow Thistle	4
<i>Cirsium eriophorum</i>	Woolly Thistle	10
<i>Clinopodium acinos</i>	Basil Thyme	8
<i>Cochlearia pyrenaica</i>	Pyrenean Scurvygrass	10
<i>Diphasiastrum alpinum</i>	Alpine Clubmoss	7

<i>Euphrasia nemorosa</i>	An eyebright	6
<i>Festuca altissima</i>	Wood Fescue	5
<i>Fumaria muralis</i>	Common Ramping-fumitory	5
<i>Genista anglica</i>	Petty Whin	7
<i>Hippocrepis comosa</i>	Horseshoe Vetch	4
<i>Hottonia palustris</i>	Water Violet	6
<i>Huperzia selago</i>	Fir Clubmoss	8
<i>Jasione montana</i>	Sheep's-bit	7
<i>Juncus compressus</i>	Round-fruited Rush	4
<i>Juniperus communis</i>	Juniper	4
<i>Lemna gibba</i>	Fat Duckweed	10
<i>Lepidium heterophyllum</i>	Smith's Pepperwort	6
<i>Lepidium ruderales</i>	Narrow-leaved Pepperwort	4
<i>Lithospermum officinale</i>	Common Gromwell	8
<i>Monotropa hypopitys</i>	Yellow Bird's-nest	6
<i>Neottia nidus-avis</i>	Bird's-nest Orchid	7
<i>Nepeta cataria</i>	Cat Mint	5
<i>Oenanthe aquatica</i>	Fine-leaved Water-dropwort	8
<i>Ophrys insectifera</i>	Fly Orchid	9
<i>Ornithopus perpusillus</i>	Bird's-foot	7
<i>Paris quadrifolia</i>	Herb Paris	8
<i>Plantago coronopus</i>	Buck's-horn Plantain	10
<i>Platanthera chlorantha</i>	Greater Butterfly Orchid	5
<i>Poa angustifolia</i>	Narrow-leaved Meadow-grass	6
<i>Potamogeton berchtoldii</i>	Small Pondweed	8
<i>Potamogeton perfoliatus</i>	Perfoliate Pondweed	6
<i>Potamogeton pusillus</i>	Lesser Pondweed	6
<i>Potentilla argentea</i>	Hoary Cinquefoil	5
<i>Potentilla palustris</i>	Marsh Cinquefoil	6
<i>Pyrola minor</i>	Common Wintergreen	7
<i>Ranunculus circinatus</i>	Fan-leaved Water-crowfoot	10
<i>Ranunculus trichophyllus</i>	Thread-leaved Water-crowfoot	9
<i>Rosa tomentosa</i>	Harshy Downy-rose	6
<i>Salix repens</i>	Creeping Willow	7
<i>Salix triandra</i>	Almond Willow	7
<i>Schoenoplectus tabernaemontani</i>	Grey Club-rush	9
<i>Scutellaria minor</i>	Lesser Skullcap	6
<i>Silaum silaus</i>	Pepper-saxifrage	7
<i>Sison amomum</i>	Stone Parsley	4
<i>Spirodela polyrhiza</i>	Greater Duckweed	9
<i>Thalictrum flavum</i>	Common Meadow-rue	10
<i>Torilis nodosa</i>	Knotted Hedge-parsley	5
<i>Trifolium micranthum</i>	Slender Trefoil	8
<i>Umbilicus rupestris</i>	Navelwort	10

<i>Veronica polita</i>	Grey Field-speedwell	9
<i>Veronica scutellata</i>	Marsh Speedwell	8
<i>Vicia sylvatica</i>	Wood Vetch	7
<i>Zannichellia palustris</i>	Horned Pondweed	6



Marsh Helleborine