

WILDLIFE TRAVEL



DERBYSHIRE

24th to 28th June 2024

Derbyshire 2024: trip report and species lists

Leaders

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Derbyshire

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A gallery of Sarah's photos from this holiday can be found on our Flickr site at <https://www.flickr.com/photos/wildlifetravel/albums/72177720318433944>

All photos courtesy of Sarah Lambert, except where shown.

Cover: Mountain Pansy, Gang Mine DWT reserve.

Day One: 24th June. Arrival at Cromford.

Following our respective journeys to Cromford, in the Derwent Valley, we enjoyed a fine opening-night dinner.

Day Two: 25th June. Peak Fringe: National Stone Centre, Gang Mine and Rose End Meadows

After breakfast, picnics made, we had our first walk through the lanes of Cromford to meet up with our bus for the short journey up the hill towards Wirksworth.

We spent the first part of the morning exploring the quarries and former railway sidings around the impressively-named National Stone Centre. What was once a busy industrial area is now being reclaimed by nature, with cushions of Wild Thyme sprawling over the rocks, Wild Marjoram sprouting out from the walls, and ferns including Male-fern, Wall-rue and Maidenhair Spleenwort. In a corner of the railway siding we found Pyrenean Scurvygrass growing here at one of just two or three sites for this rare biennial in the county, on the southern edge of its range in the country. For all its rarity, this isn't a very 'flashy' plant, and we were more impressed by the spikes of Common Spotted-orchid.

Plenty of Garden Grass-moths were on the wing, and Kieron drew our attention to the tiny Mouse-ear Hawkweed Plantbug *Hoplomachus thunbergii*.

Heading down into the quarries, we found Common Valerian growing along the old railway line, mounds of Kidney Vetch up around the old 'coral reef' limestone cliff, and a couple of spikes of Twayblade, fenced off by the volunteers, busy nearby with their strimmers. More splashes of colour came in the form of Meadow Crane's-bill, which on closer inspection proved to be home to numerous Meadow Crane's-bill Weevils *Zacladus geranii*.

Along the verge of the entry road we found a decent population of Broad-leaved Helleborine, its drooping flower spikes not yet open, while a flowering tree that attracted some attention amongst the planting scheme was identified as Willow-leaved Cotoneaster, a native of western China.

Crossing the road, we headed into Derbyshire Wildlife Trust (DWT)'s Gang Mine reserve, an area of Calaminarian grassland, a community that develops on the toxic soils associated with heavy metals: in this case, the spoil from centuries of lead mining. Here, amongst the Wild Thyme, Eyebright and Kidney Vetch, we found Spring Sandwort, still in flower on the spoil mounds, alongside the seed pods and last remaining flowers of Alpine Pennycress, two nationally scarce species, both characteristic of this community and both, rather confusingly, known locally as Leadwort.

Nearby, we found plenty of little Mountain Pansy flowers, another uncommon plant which is able to tolerate the heavy metal-rich soils. In common with the majority of the Derbyshire population of this lovely plant, most of the flowers were of the pale yellow form, with just a handful of the locally much rarer bluey-purple form.

We took advantage of the soft cushions of Wild Thyme to have our picnic, close to a clump of Dyer's Greenweed looking rather the worse for wear, having been 'nibbled' by the Dyer's Greenweed Plantbug *Heterocordylus genistae*, before continuing on our down-hill walk, passing around the edge of Dean Quarry, a massive bite out of the hillside, where we found Pyramidal Orchids, plenty more Common Spotted-orchids and Hairy St John's-wort.



Above (clockwise, from top left):
Common Spotted-orchid (PP), Spring Sandwort (PP), Betony, Eyebright

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At the bottom of the hill, we found a single spike of Yellow-wort and a small stand of the impressive (but not yet in flower) Ploughman's-spikenard, a sweet-smelling member of the Asteraceae, used (according to Blamey) to sweeten the air of hovels...

Into our second DWT reserve of the day, and Rose End Meadows where Kieron introduced us to the ancient field system, where long-term meadow management on richer, more 'neutral' soils has produced a subtly different grassland community. Alongside plenty of Common Spotted-orchids, the more obvious plants were Great Burnet, Meadow Crane's-bill, Meadowsweet and Betony, while a handful of Meadow Brown and Ringlet butterflies were on the wing, along with one or two Chimney Sweeper moths, hanging around their Pignut food plant.

Day Three: 26th June. Cromford Canal.

After another good breakfast, we set off to walk down through Cromford village, pausing to check out the historic Arkwright's Mill, the birthplace of the industrial revolution and part of the Derwent Valley Mills UNESCO World Heritage Site. In the nearby St Mary's churchyard, we found Greater Burnet-saxifrage, Autumn Hawkbit and a single stunning spike of Bee Orchid just by the graves of the Arkwright family, while a patch of Flattened Meadow-grass growing from the nearby bridge over the Derwent was the first in a day-long line of interesting grasses.

We spent the day walking the towpath along Cromford Canal from the wharf at Cromford down to Whatstandwell, passing by another three Derbyshire Wildlife Trust reserves: Cromford Canal, Lea Wood and Derwentside. The canal was designated in 1986 as a SSSI for its aquatic plant communities, but the habitat has changed considerably in recent decades, with woodland developing along the banks, and the water is now silt-filled and eutrophic.

Several Canada Geese and a flock of Mallard were present around the wharf, with a single shy Little Grebe and occasional family groups of Moorhens along the rest of the canal. Less welcome, David spotted an American Mink, carrying off a young Moorhen.

Marsh Woundwort, Russian Comfrey, Monkey-flower and the not-so-small Small Teasel were amongst the more striking of the plants along the canal banks, with Field Rose and the east-Asian Many-flowered Rose sprawling amongst the shrubs. Wooded areas supported luxuriant stands of Lady-fern, much more delicate than the Male-fern growing alongside them.

The sunny weather made for some easy fish-spotting, with large numbers of Roach, a handful of Perch, two small Pike and lovely pair of ruby-eyed Tench all added to our day list. Also under the surface, a range of aquatic plants included four species of pondweed, Canadian Waterweed, Rigid Hornwort, Spiked Water-Milfoil and water-starwort, all species that are typical of nutrient-rich water.

For lunch, we took advantage of the benches and ice creams at High Peak Junction.

With immaculate timing, we arrived at Whatstandwell station just in time to catch the local train back up the valley to Cromford.



Above (clockwise, from top left): Bee Orchid, Monkey-flower, Marsh Woundwort, Mullein Moth

Day Four: 27th June. Limestone Dales.

After breakfast, the bus took us up through the wooded valley, along the Via Gellia (named in a mock-Latin style after the Gell family who built the road in the late 18th century to connect their lead mines with the smelter in Cromford) and up onto the limestone plateau of the White Peak, and the pretty little village of Hartington.

Our walk took us first across the plateau, with neat dry stone walls lining the lanes, and a passing Red Kite and a couple of Skylarks the only wildlife of note in what is now intensively farmed cattle and sheep grazing and silage fields. Turning over some rocks along the stone walls revealed the diminutive Rock Snail, a tiny 3mm snail that typically is restricted to walls and rock piles in limestone areas, and a single Toad.

We soon headed downhill and away from the improved grasslands, into the limestone grassland of Biggin Dale, part of the Dovedale National Nature Reserve.

Even before we had descended the slope, we could hear the calling of a family of Common Redstarts, with a bright male bringing beakfuls of insects to a nest hole in the wall just by the gate, while more families were found along the dale, along with Linnets, Chiffchaff and Blackcaps.

Continuing down the dale, we stopped at an area of limestone scree, where one of the area's star plants was in flower: several spikes of the nationally rare Red Hemp-nettle were in full bloom, with a large population visible further up the slope through the binoculars. The other local speciality was found flowering just next to our lunch spot, with a big clump of drooping Nottingham Catchfly on the rock above us.

From the cliff face across the river from us, a couple of Peregrines watched us as we ate. After lunch, we turned into Wolfscote Dale and followed the River Dove upstream. The fast-flowing river was home to several family groups of Grey Wagtail, although surprisingly we couldn't find a single Dipper on what is traditionally a favoured river for them. A single Wheatear perched up on a bush.

Along the water's edge we found a good variety of wetland plants including Water Forget-me-not and Water Mint, with Stream Water-crowfoot in the river and Basil-thyme growing in the nearby short limestone turf.

Up where Wolfscote Dale turns into Beresford Dale, the trees crowded in, with more ferns amongst the shady rocks including Broad Buckler-fern, before we struck out back up the slope towards the village, arriving just in time to avail ourselves of the farm shop and its delicious cake.

Philip Precey, Wildlife Travel. June 2024.



Above (clockwise, from top left): Red Hemp-nettle, Common Redstart, Nottingham Catchfly, Brown Hare

PLANTS

SCIENTIFIC NAME	ENGLISH NAME	Notes
PTERIDOPHYTA: FERNS		
Aspleniaceae (spleenwort family)		
<i>Asplenium adiantum-nigrum</i>	Black Spleenwort	frequent on walls
<i>Asplenium ruta-muraria</i>	Wall-rue	common on walls
<i>Asplenium scolopendrium</i>	Hart's-tongue	common in shady spots
<i>Asplenium trichomanes</i>	Maidenhair Spleenwort	common on walls
<i>Athyrium filix-foemina</i>	Lady-fern	Cromford Canal: more 'elegant'
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	Stone Centre
Dennstaedtiaceae (bracken family)		
<i>Pteridium aquilinum</i>	Bracken	Cromford Canal
Polypodiaceae (polypody family)		
<i>Dryopteris affinis</i> sens. lat.	Scaly Male-fern	Wolfscote Dale: 'shuttle cock'
<i>Dryopteris dilatata</i>	Broad Buckler-fern	Beresford Dale
<i>Dryopteris filix-mas</i>	Male-fern	common: more 'sturdy'
<i>Polypodium interjectum</i>	Intermediate Polypody	Cromford Canal, Beresford Dale
<i>Polystichum aculeatum</i>	Hard Shield-fern	Rose End Meadows
Salviniaceae (water fern family)		
<i>Azolla filiculoides</i>	Water-fern	Cromford Canal
Equisetaceae (horsetail family)		
<i>Equisetum arvense</i>	Field Horsetail	Cromford Canal
<i>Equisetum palustre</i>	Marsh Horsetail	Cromford meadows
ANGIOSPERMS: MONOCOTYLEDONS		
Araceae (arum family)		
<i>Arum maculatum</i>	Lords-and-Ladies	Cromford
<i>Lemna minor</i>	Common Duckweed	Cromford Canal
<i>Zantedichia aethiopica</i>	Altar Lily	Whatstandwell
Alismataceae (water plantain family)		
<i>Alisma plantago-aquatica</i>	Water-plantain	Cromford Canal
Hydrocharitaceae (frogbit family)		
<i>Elodea canadensis</i>	Canadian Waterweed	Rose End, Cromford Canal
Potamogetonaceae (pondweed family)		
<i>Potamogeton natans</i>	Broad-leaved Pondweed	Cromford Canal
<i>Potamogeton crispus</i>	Curled Pondweed	Cromford Canal
<i>Potamogeton pusillus</i>	Lesser Pondweed	Cromford Canal
<i>Stuckenia pectinata</i>	Fennel-leaved Pondweed	Cromford Canal
Dioscoreaceae (yam family)		
<i>Tamus communis</i>	Black Bryony	Cromford Canal
Orchidaceae (orchid family)		
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	Dene Quarry
<i>Dactylorhiza fuchsia</i>	Common Spotted-orchid	common around Cromford

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<i>Epipactis helleborine</i>	Broad-leaved Helleborine	Stone Centre
<i>Neottia ovata</i>	Twayblade	Stone Centre
<i>Ophrys apifera</i>	Bee Orchid	Cromford churchyard
<i>Orchis mascula</i>	Early-purple Orchid	seed heads, Biggin Dale
Iridaceae (iris family)		
<i>Iris pseudacorus</i>	Yellow Iris	Cromford Canal
Amaryllidaceae (daffodil family)		
<i>Allium ursinum</i>	Ramsons	Rose End Meadows
Asparagaceae (asparagus family)		
<i>Hyacinthoides non-scripta</i>	Bluebell	seed heads, eg Rose End
<i>Polygonatum x hybridum</i>	Garden Solomon's-seal	Cromford
Typhaceae (cattail family)		
<i>Sparganium emersum</i>	Unbranched Bur-reed	Cromford Canal: floating
<i>Sparganium erectum</i>	Branched Bur-reed	River Dove: upright
<i>Typha latifolia</i>	Bulrush	Cromford Canal
Juncaceae (rush family)		
<i>Juncus articulatus</i>	Jointed Rush	Rose End ponds
<i>Juncus conglomeratus</i>	Compact Rush	Cromford meadows
<i>Juncus effusus</i>	Soft Rush	Cromford meadows
<i>Juncus inflexus</i>	Hard Rush	eg Dene Quarry
<i>Luzula campestris</i>	Field Wood-rush	Biggin Dale
<i>Luzula sylvatica</i>	Great Wood-rush	Cromford Canal
Cyperaceae (sedge family)		
<i>Carex acutiformis</i>	Lesser Pond-sedge	Cromford meadows
<i>Carex flacca</i>	Glaucous Sedge	Gang Mine
<i>Carex hirta</i>	Hairy Sedge	Rose End Meadows
<i>Carex otrubae</i>	False Fox -sedge	Cromford Canal
<i>Carex pendula</i>	Pendulous Sedge	Cromford Canal
<i>Carex remota</i>	Remote Sedge	Cromford Canal
<i>Carex spicata</i>	Spiked Sedge	Rose End Meadows
<i>Carex sylvatica</i>	Wood Sedge	Cromford Canal
Poaceae (grass family)		
<i>Alopecurus geniculatus</i>	Marsh Foxtail	above Beresford Dale
<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	Rose End Meadows
<i>Arrhenatherum elatius</i>	False Oat-grass	Gang Mine
<i>Avenula pubescens</i>	Downy Oat-grass	Gang Mine
<i>Brachypodium sylvaticum</i>	False Brome	Cromford Canal
<i>Briza media</i>	Quaking Grass	Rose End, Biggin Dale
<i>Bromopsis ramosa</i>	Hairy Brome	Cromford Canal
<i>Bromus hordeaceus</i>	Soft Brome	Biggin Dale
<i>Bromus sterilis</i>	Sterile Brome	Cromford Canal
<i>Cynosurus cristatus</i>	Crested Dog's-tail	Cromford Canal

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SCIENTIFIC NAME	ENGLISH NAME	Notes
<i>Dactylis glomerata</i>	Cock's-foot	common everywhere
<i>Deschampsia caespitosa</i>	Tufted Hair-grass	Cromford Canal
<i>Elymus caninus</i>	Bearded Couch	Cromford Canal
<i>Glyceria fluitans</i>	Floating Sweet-grass	River Dove
<i>Glyceria maxima</i>	Reed Sweet-grass	Cromford Canal, River Dove
<i>Holcus lanatus</i>	Yorkshire-fog	common everywhere
<i>Koeleria macrantha</i>	Crested Hair-grass	anthills, Gang Mine/Biggin Dale
<i>Melica uniflora</i>	Wood Melick	Rose End Meadows
<i>Milium effusum</i>	Wood Millet	Cromford Canal
<i>Phalaris arundinacea</i>	Reed Canary-grass	Cromford Canal, River Dove
<i>Phleum bertolonii</i>	Smaller Cat's-tail	Rose End Meadows
<i>Poa compressa</i>	Compressed Meadow-grass	Cromford bridge
<i>Poa trivialis</i>	Rough Meadow-grass	Cromford Canal
<i>Schedonorus arundinaceus</i>	Tall Fescue	Cromford Canal
<i>Schedonorus giganteus</i>	Giant Fescue	Cromford Canal
<i>Trisetum flavescens</i>	Yellow Oat-grass	Gang Mine
<i>Vulpia bromoides</i>	Squirrel-tail Fescue	Cromford Canal
Ceratophyllaceae (hornwort family)		
<i>Ceratophyllum demersum</i>	Rigid Hornwort	dew ponds, Cromford Canal
ANGIOSPERMS: DICOTYLEDONS		
Papaveraceae (poppy family)		
<i>Chelidonium majus</i>	Greater Celandine	Cromford village walls
<i>Papaver cambricum</i>	Welsh Poppy	Cromford village walls
<i>Papaver rhoeas</i>	Common Poppy	Cromford
<i>Pseudofumaria lutea</i>	Yellow Corydalis	Cromford village walls
Ranunculaceae (buttercup family)		
<i>Aconitum x stoeckianum</i>	Garden Monk's-hood	Gang Mine: garden escape
<i>Anemone nemorosa</i>	Wood Anemone	Rose End Meadows, leaves only
<i>Helleborus argutifolius</i>	Corsican Hellebore	Cromford: garden escape
<i>Ranunculus trichophyllus</i>	Thread-leaved Water-crowfoot	Cromford Canal
<i>Ranunculus penicillatus</i>	Stream Water-crowfoot	River Dove
<i>Ranunculus acris</i>	Meadow Buttercup	common
<i>Ranunculus bulbosus</i>	Bulbous Buttercup	common
<i>Ranunculus repens</i>	Creeping Buttercup	Cromford Canal
Grossulariaceae (Currant family)		
<i>Grossularia uva-crispa</i>	Gooseberry	Gang Mine
<i>Ribes nigrum</i>	Blackcurrant	Cromford Canal
Saxifragaceae (saxifrage family)		
<i>Chrysosplenium oppositifolium</i>	Opposite-leaved Golden-saxifrage	Cromford Canal
<i>Saxifraga tridactylites</i>	Rue-leaved Saxifrage	Wolfscote Dale

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Crassulaceae (stonecrop family)		
<i>Crassula helmsii</i>	New Zealand Pigmyweed	Cromford Canal
<i>Sedum acre</i>	Biting Stonecrop	Stone Centre, Biggin Dale
<i>Sedum album</i>	White Stonecrop	Stone Centre
Haloragaceae (water milfoil family)		
<i>Myriophyllum spicatum</i>	Spiked Water-milfoil	Cromford Canal
Fabaceae (pea family)		
<i>Anthyllis vulneraria</i>	Kidney Vetch	Stone Centre, Biggin Dale
<i>Genista tinctoria</i>	Dyer's Greenweed	Gang Mine
<i>Lathyrus pratensis</i>	Meadow Vetchling	common
<i>Lotus corniculatus</i>	Bird's-foot-trefoil	common
<i>Medicago lupulina</i>	Black Medick	eg Stone Centre
<i>Ononis repens</i>	Common Restharrow	Stone Centre: no flowers
<i>Trifolium campestre</i>	Hop Trefoil	Stone Centre
<i>Trifolium dubium</i>	Lesser Trefoil	on ant hills, Biggin Dale
<i>Trifolium pratense</i>	Red Clover	common
<i>Trifolium repens</i>	White Clover	common
<i>Ulex europaeus</i>	Gorse	Biggin Dale
<i>Vicia cracca</i>	Tufted Vetch	common
<i>Vicia sativa</i>	Common Vetch	Biggin Dale
<i>Vicia sepium</i>	Bush Vetch	common
Polygalaceae (milkwort family)		
<i>Polygala vulgaris</i>	Common Milkwort	Gang Mine, Biggin Dale
Rosaceae (rose family)		
<i>Alchemilla mollis</i>	Garden Lady's-mantle	Cromford: garden escape
<i>Aphanes arvensis</i>	Parsley-piert	on ant hills, Biggin Dale
<i>Cotoneaster horizontalis</i>	Wall Cotoneaster	Stone Centre: low spreading
<i>Cotoneaster salicifolius</i>	Willow-leaved Cotoneaster	Stone Centre: tree
<i>Crataegus monogyna</i>	Common Hawthorn	common
<i>Filipendula ulmaria</i>	Meadowsweet	eg Rose End, Cromford Canal
<i>Fragaria vesca</i>	Wild Strawberry	Dene Quarry
<i>Geum urbanum</i>	Wood Avens	common
<i>Potentilla anserina</i>	Silverweed	common
<i>Potentilla erecta</i>	Tormentil	Dene Quarry
<i>Potentilla sterilis</i>	Barren Strawberry	Dene Quarry
<i>Prunus laurocerasus</i>	Cherry Laurel	Cromford
<i>Prunus lusitanica</i>	Portugal Laurel	Cromford
<i>Prunus spinosa</i>	Blackthorn	common
<i>Rosa arvensis</i>	Field Rose	Cromford Canal: stigmas in column
<i>Rosa canina</i> agg.	Dog Rose	common
<i>Rosa multiflora</i>	Many-flowered Rose	Cromford Canal: east Asian sp
<i>Rosa pimpinellifolia</i>	Burnet Rose	Stone Centre

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<i>Rubus armeniacus</i>	Himalayan Giant	Rose End Meadows: invasive
<i>Rubus caesius</i>	Dewberry	Cromford Canal
<i>Rubus fruticosus agg.</i>	Bramble	common
<i>Rubus idaeus</i>	Raspberry	common
<i>Rubus vestitus</i>	a bramble	Cromford Canal: downy leaves
<i>Sanguisorba minor</i>	Salad Burnet	common
<i>Sanguisorba officinalis</i>	Great Burnet	Rose End Meadows
Rhamnaceae (buckthorn family)		
<i>Rhamnus cathartica</i>	Buckthorn	Dene Quarry
Ulmaceae (elm family)		
<i>Ulmus glabra</i>	Wych Elm	Stone Centre
Urticaceae (nettle family)		
<i>Urtica dioica</i>	Common Nettle	eg Dene Quarry
Fagaceae (beech family)		
<i>Fagus sylvatica</i>	Beech	Cromford
<i>Quercus robur</i>	Oak	common
Betulaceae (alder family)		
<i>Alnus glutinosa</i>	Alder	Cromford Canal
<i>Betula pendula</i>	Silver Birch	Cromford Canal
<i>Betula x aurata</i>	hybrid birch	High Peak Junction
Cucurbitaceae (gourd family)		
<i>Bryonia dioica</i>	White Bryony	Rose End Meadows
Celastraceae (spindle family)		
<i>Euonymus europaeus</i>	Spindle	Stone Centre
Hypericaceae (St John's wort family)		
<i>Hypericum hirsutum</i>	Hairy St John's-wort	eg Rose End Meadows
<i>Hypericum perforatum</i>	Perforate St John's-wort	Cromford Canal
<i>Hypericum androsaemum</i>	Tutsan	Cromford Canal
Violaceae (violet family)		
<i>Viola lutea</i>	Mountain Pansy	Gang Mine: yellow & purple
<i>Viola odorata</i>	Sweet Violet	Cromford Canal
Salicaceae (willow family)		
<i>Populus tremula</i>	Aspen	Dene Quarry
<i>Salix cinerea</i>	Grey Willow	Dene Quarry
<i>Salix x reichardtii</i>	hybrid Goat X Grey Willow	Stone Centre
<i>Salix eleagnos</i>	Olive-leaved Willow	Gang Mine
<i>Salix alba</i>	White Willow	Cromford Canal
Euphorbiaceae (spurge family)		
<i>Euphorbia cyparissias</i>	Cypress Spurge	Cromford: garden escape
<i>Mercurialis perennis</i>	Dog's Mercury	eg Dene Quarry
Linaceae (flax family)		
<i>Linum catharticum</i>	Fairy Flax	Gang Mine

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Geraniaceae (crane's-bill family)		
<i>Geranium lucidum</i>	Shining Crane's-bill	eg Stone Centre
<i>Geranium molle</i>	Dove's-foot Crane's-bill	common
<i>Geranium x oxonianum</i>	Druce's Crane's-bill	Cromford station
<i>Geranium pratense</i>	Meadow Crane's-bill	eg Stone Centre, Biggin Dale
<i>Geranium pyrenaicum</i>	Hedgerow Crane's-bill	Cromford
<i>Geranium robertianum</i>	Herb-Robert	common
<i>Geranium sanguineum</i>	Bloody Crane's-bill	eg Stone Centre, Biggin Dale
Onagraceae (Willowherb family)		
<i>Circaea lutetiana</i>	Enchanter's-nightshade	Cromford Canal
<i>Epilobium angustifolium</i>	Rosebay Willowherb	common
<i>Epilobium ciliatum</i>	American Willowherb	common weed
<i>Epilobium hirsutum</i>	Great Willowherb	Damp areas
<i>Epilobium montanum</i>	Broad-leaved Willowherb	common weed
<i>Epilobium parviflorum</i>	Hoary Willowherb	Cromford Canal
Sapindaceae (maple family)		
<i>Acer campestre</i>	Field Maple	eg Dene Quarry
<i>Acer pseudoplatanus</i>	Sycamore	eg Dene Quarry
Malvaceae (mallow family)		
<i>Malva sylvestris</i>	Common Mallow	Wolfscote Dale
<i>Tilia x europaea</i>	Common Lime	eg Cromford Canal
Cistaceae (rock-rose family)		
<i>Helianthemum nummularium</i>	Common Rock-rose	Gang Mine
Brassicaceae (cabbage family)		
<i>Alliaria petiolata</i>	Garlic Mustard	common trackside plant
<i>Arabis hirsuta</i>	Hairy Rock-cress	Stone Centre
<i>Capsella bursa-pastorius</i>	Shepherd's-purse	common trackside plant
<i>Cardamine impatiens</i>	Narrow-leaved Bittercress	Rose End: Nationally Scarce
<i>Cardamine pratensis</i>	Cuckooflower	Biggin Dale
<i>Cochlearia pyrenaica</i>	Pyrenean Scurvygrass	Stone Centre
<i>Draba verna</i>	Common Whitlowgrass	Wolfscote Dale
<i>Lepidium draba</i>	Hoary Cress	High Peak Junction
<i>Noccaea caerulea</i>	Alpine Pennycress	Gang Mine: 'leadwort'
<i>Nasturtium officinale</i>	Water-cress	Cromford Canal
<i>Sisymbrium officinale</i>	Hedge Mustard	common pathside plant
Polygonaceae (dock family)		
<i>Polygonum arenastrum</i>	Equal-leaved Knotgrass	Hartington
<i>Rumex acetosa</i>	Common Sorrel	eg Gang Mine
<i>Rumex conglomeratus</i>	Clustered Dock	Cromford Canal
<i>Rumex crispus</i>	Curled Dock	eg Rose End
Caryophyllaceae (campion family)		
<i>Arenaria serpyllifolia</i>	Thyme-leaved Sandwort	Stone Centre

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<i>Cerastium fontanum</i>	Common Mouse-ear	common pathside plant
<i>Moehringia trinervia</i>	Three-veined Sandwort	Dene Quarry
<i>Sabulina verna</i>	Spring Sandwort	Gang Mine: 'leadwort'
<i>Sagina procumbens</i>	Procumbent Pearlwort	common on footpaths
<i>Silene dioica</i>	Red Campion	eg Rose End Meadows
<i>Silene nutans</i>	Nottingham Catchfly	Biggin Dale
<i>Stellaria graminea</i>	Lesser Stitchwort	eg Cromford meadows
<i>Stellaria holostea</i>	Greater Stitchwort	Rose End Meadows
Cornaceae (dogwood family)		
<i>Cornus sanguinea</i>	Dogwood	eg Stone Centre
Balsaminaceae (Balsam family)		
<i>Impatiens parviflora</i>	Small Balsam	Cromford Canal
<i>Impatiens glandulifera</i>	Himalayan Balsam	Cromford Canal
Primulaceae (primrose family)		
<i>Cyclamen hederifolium</i>	Ivy-leaved Cyclamen	Stone Centre
<i>Lysimachia nummularia</i>	Creeping Jenny	Wolfscoote Dale
<i>Lysimachia punctata</i>	Dotted Loosestrife	eg Rose End: garden escape
<i>Primula veris</i>	Cowslip	limestone sites
<i>Primula vulgaris</i>	Primrose	Cromford Canal
Ericaceae (heath family)		
<i>Rhododendron ponticum</i>	Rhododendron	Cromford Canal
Rubiaceae (madder family)		
<i>Cruciata laevipes</i>	Crosswort	limestone sites
<i>Galium aparine</i>	Cleavers	common weed
<i>Galium palustre</i>	Marsh Bedstraw	Cromford meadows
<i>Galium sternerii</i>	Limestone Bedstraw	limestone sites
<i>Galium verum</i>	Lady's Bedstraw	limestone sites
Gentianaceae (gentian family)		
<i>Blackstonia perfoliata</i>	Yellow-wort	Dene Quarry
Boraginaceae (borage family)		
<i>Myosotis arvensis</i>	Field Forget-me-not	common
<i>Myosotis scorpioides</i>	Water Forget-me-not	River Dove
<i>Myosotis sylvatica</i>	Wood Forget-me-not	common
<i>Pentaglottis sempervirens</i>	Green Alkanet	Cromford: garden escape
<i>Symphytum x uplandicum</i>	Russian Comfrey	common: purple flowers
<i>Symphytum tuberosum</i>	Tuberous Comfrey	Cromford: yellowy flowers
Convolvulaceae (bindweed family)		
<i>Calystegia sepium</i>	Hedge Bindweed	common
Solanaceae (nightshade family)		
<i>Solanum dulcamara</i>	Woody Nightshade	Cromford Canal
Oleaceae (olive family)		
<i>Fraxinus excelsior</i>	Ash	common

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SCIENTIFIC NAME	ENGLISH NAME	Notes
<i>Ligustrum vulgare</i>	Wild Privet	Cromford: river bank
<i>Ligustrum ovalifolium</i>	Garden Privet	Cromford
<i>Syringa vulgaris</i>	Lilac	Cromford
Gunneraceae (gunnera family)		
<i>Gunnera tinctoria</i>	Chilean Giant Rhubarb	Cromford Canal: garden escape
Plantaginaceae (plantain family)		
<i>Callitriche</i> agg.	a water starwort	Cromford Canal
<i>Cymbalaria muralis</i>	Ivy-leaved Toadflax	common on walls
<i>Digitalis purpurea</i>	Foxglove	common
<i>Linaria vulgaris</i>	Common Toadflax	Stone Centre
<i>Plantago lanceolata</i>	Ribwort Plantain	common
<i>Plantago major</i>	Greater Plantain	common
<i>Plantago media</i>	Hoary Plantain	limestone sites
<i>Veronica arvensis</i>	Wall Speedwell	Stone Centre
<i>Veronica beccabunga</i>	Brooklime	Beresford Dale
<i>Veronica chamaedrys</i>	Germander Speedwell	common
<i>Veronica officinalis</i>	Heath Speedwell	Biggin Dale
<i>Veronica serpyllifolia</i>	Thyme-leaved Speedwell	Stone Centre
Scrophulariaceae (figwort family)		
<i>Scrophularia nodosa</i>	Common Figwort	common
<i>Scrophularia auriculata</i>	Water Figwort	Cromford Canal
<i>Verbascum thapsus</i>	Great Mullein	Wolfscote Dale
Lamiaceae (dead nettle family)		
<i>Ajuga reptans</i>	Bugle	Dene Quarry
<i>Betonica officinalis</i>	Betony	Rose End Meadows
<i>Clinopodium acinos</i>	Basil-thyme	Wolfscote Dale
<i>Galeopsis angustifolia</i>	Red Hemp-nettle	Biggin Dale
<i>Glechoma hederacea</i>	Ground-ivy	common
<i>Lamiasstrum galeobdolon</i>	Yellow Archangel	Cromford Canal
<i>Lamium album</i>	White Dead-nettle	common
<i>Lycopus europaeus</i>	Gypsywort	Cromford Canal
<i>Mentha aquatica</i>	Water Mint	Cromford Canal
<i>Mentha spicata</i>	Spear Mint	Cromford Canal
<i>Origanum vulgare</i>	Marjoram	limestone sites
<i>Prunella vulgaris</i>	Selfheal	common
<i>Scutellaria galericulata</i>	Skullcap	Cromford Canal
<i>Stachys palustris</i>	Marsh Woundwort	Cromford Canal
<i>Stachys sylvatica</i>	Hedge Woundwort	common
<i>Teucrium scorodonia</i>	Wood Sage	Cromford Canal, Biggin Dale
<i>Thymus praecox</i>	Wild Thyme	limestone sites
Phrymaceae (monkeyflower family)		
<i>Erythranthe guttatus</i>	Monkeyflower	Cromford Canal, River Dove

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SCIENTIFIC NAME	ENGLISH NAME	Notes
Orobanchaceae (broomrape family)		
<i>Euphrasia nemorosa</i> agg.	Eyebright	limestone sites
<i>Rhinanthus minor</i>	Yellow-rattle	Rose End Meadows
Aquifoliaceae (holly family)		
<i>Ilex aquifolium</i>	Holly	Rose End Meadows
Campanulaceae (bellflower family)		
<i>Campanula portenschlagiana</i>	Adria Bellflower	Cromford: village walls
<i>Campanula poscharskyarna</i>	Trailing Bellflower	Hartington: village walls
<i>Campanula rotundifolia</i>	Harebell	limestone sites
Asteraceae (daisy family)		
<i>Achillea millefolium</i>	Yarrow	Stone Centre
<i>Arctium minus</i>	Lesser Burdock	eg Stone Centre
<i>Bellis perennis</i>	Daisy	Hotel lawn
<i>Carduus crispus</i>	Wetted Thistle	Biggin Dale
<i>Carduus nutans</i>	Musk Thistle	limestone sites
<i>Centaurea debeauxii</i>	Chalk Knapweed	Stone Centre: slender, green flower buds
<i>Centaurea nigra</i>	Common Knapweed	limestone sites: sturdy black flower buds
<i>Centaurea scabiosa</i>	Greater Knapweed	Biggin Dale
<i>Cirsium arvense</i>	Creeping Thistle	common
<i>Cirsium palustre</i>	Marsh Thistle	Cromford Canal
<i>Cirsium vulgare</i>	Spear Thistle	common
<i>Crepis capillaris</i>	Smooth Hawk's-beard	common
<i>Erigeron floribundus</i>	Bilbao Fleabane	Cromford Canal
<i>Eupatorium cannabinum</i>	Hemp-agrimony	common
<i>Hieracium vulgatum</i> agg.	Common Hawkweed	common
<i>Hypochaeris radicata</i>	Cat's-ear	Biggin Dale
<i>Inula conyzae</i>	Ploughman's-spikenard	Dene Quarry
<i>Jacobaea vulgaris</i>	Common Ragwort	common
<i>Lactuca muralis</i>	Wall Lettuce	common
<i>Lactuca serriola</i>	Prickly Lettuce	Cromford Canal
<i>Lapsana communis</i>	Nipplewort	common
<i>Leontodon hispidus</i>	Rough Hawkbit	common
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	common
<i>Ligularia dentata</i>	Leopardplant	Cromford Canal
<i>Matricaria discoidea</i>	Pineappleweed	field edges
<i>Petasites hybridus</i>	Butterbur	Cromford Canal
<i>Pilosella aurantiaca</i>	Fox-and-cubs	Cromford: lawns
<i>Pilosella officinarum</i>	Mouse-ear Hawkweed	limestone sites
<i>Scorzonerooides autumnalis</i>	Autumn Hawkbit	Cromford churchyard
<i>Sonchus asper</i>	Prickly Sow-thistle	common

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SCIENTIFIC NAME	ENGLISH NAME	Notes
<i>Sonchus oleraceus</i>	Smooth Sow-thistle	common
<i>Tanacetum parthenium</i>	Feverfew	Cromford
<i>Taraxacum</i> agg.	Dandelion	common
<i>Tragopogon pratensis</i>	Goat's-beard	Eg Dene Quarry
<i>Tussilago farfara</i>	Colt's-foot	Stone Centre
Viburnaceae (viburnum family)		
<i>Sambucus nigra</i>	Elder	common
<i>Symphoricarpos albus</i>	Snowberry	Eg Dene Quarry
<i>Viburnum opulus</i>	Guelder-rose	Eg Dene Quarry
Caprifoliaceae (honeysuckle family)		
<i>Lonicera periclymenum</i>	Honeysuckle	Rose End Meadows
<i>Dispacus fullonum</i>	Wild Teasel	Rose End Meadows
<i>Dipsacus pilosus</i>	Small Teasel	Cromford Canal
<i>Knautia arvensis</i>	Field Scabious	Biggin Dale
<i>Scabiosa columbaria</i>	Small Scabious	Gang Mine
<i>Succisa pratensis</i>	Devil's-bit Scabious	Dene Quarry: leaves only
<i>Valeriana officinalis</i>	Common Valerian	Stone Centre
<i>Valeriana rubra</i>	Red Valerian	Cromford: village walls
Araliaceae (ivy family)		
<i>Hedera helix</i>	Ivy	common
Apiaceae (carrot family)		
<i>Aegopodium podagraria</i>	Ground-elder	common
<i>Angelica sylvestris</i>	Wild Angelica	Cromford Canal
<i>Anthriscus sylvestris</i>	Cow Parsley	common
<i>Chaerophyllum temulum</i>	Rough Chervil	Cromford Canal
<i>Conopodium majus</i>	Pignut	limestone sites
<i>Helosciadium nodiflorum</i>	Fool's Water-cress	River Dove
<i>Heracleum sphodylium</i>	Hogweed	common
<i>Myrrhis odorata</i>	Sweet Cicely	Gang Mine, Hartington area
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Gang Mine
<i>Pimpinella major</i>	Greater Burnet-saxifrage	Cromford churchyard
<i>Torilis japonica</i>	Upright Hedge-parsley	Stone Centre

BRYOPHYTA: MOSSES & LIVERWORTS

<i>Conocephalum conicum</i>	Great Scented Liverwort	26 th
<i>Ctenidium molluscum</i>	Comb-moss	27 th
<i>Fontinalis antipyretica</i>	Willow Moss	26 th
<i>Homalothecium lutescens</i>	Yellow Feather-moss	27 th
<i>Homalothecium sericeum</i>	Silky Feather-moss	27 th
<i>Pseudoscleropodium purum</i>	Neat Feather-moss	27 th
<i>Rhytidiadelphus triquetrus</i>	Big Shaggy Moss	27 th

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BIRDS

ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
Family Anatidae (Swans, geese and ducks)						
Mute Swan	<i>Cygnus olor</i>		X	X		
Canada Goose	<i>Branta canadensis</i>			X		
Mallard	<i>Anas platyrhynchos</i>		X	X	X	
Family Phasianidae (Pheasants and Partridges)						
Pheasant	<i>Phasianus colchicus</i>		X			
Family Podicipedidae (Grebes)						
Little Grebe	<i>Tachybaptus ruficollis</i>			X		
Family Ardeidae (Hérons)						
Little Egret	<i>Egretta garzetta</i>			X		
Grey Heron	<i>Ardea cinerea</i>		X		X	
Family Accipitridae (Hawks and Eagles)						
Red Kite	<i>Milvus milvus</i>		X		X	
Common Buzzard	<i>Buteo buteo</i>		X	X	X	
Eurasian Sparrowhawk	<i>Accipiter nisus</i>				X	
Family Falconidae (Falcons)						
Kestrel	<i>Falco tinnunculus</i>		X		X	
Peregrine	<i>Falco peregrinus</i>				X	
Family Rallidae (Rails)						
Moorhen	<i>Gallinula chloropus</i>			X	X	
Family Laridae (Gulls)						
Black-headed Gull	<i>Chroicocephalus ridibundus</i>		X	X	X	
Lesser Black-backed Gull	<i>Larus fuscus</i>		X		X	
Family Columbidae (Pigeons and Doves)						
Woodpigeon	<i>Columba palumbus</i>		X	X	X	
Collared Dove	<i>Streptopelia decaocto</i>		X		X	
Family Strigidae (Owls)						
Tawny Owl	<i>Strix aluco</i>				S	
Family Apodidae (Swifts)						
Swift	<i>Apus apus</i>		X	X	X	
Family Alcedinidae (Kingfishers)						
Kingfisher	<i>Alcedo atthis</i>			X		
Family Picidae (Woodpeckers)						
Green Woodpecker	<i>Picus viridis</i>				X	
Family Alaudidae (Larks)						
Skylark	<i>Alauda arvensis</i>				X	
Family Hirundinidae (Swallows and Martins)						
Sand Martin	<i>Riparia riparia</i>		X			
Swallow	<i>Hirundo rustica</i>		X	X	X	
House Martin	<i>Delichon urbica</i>		X		X	

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ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
Family Motacillidae (Pipits and Wagtails)						
Meadow Pipit	<i>Anthus pratensis</i>				X	
Pied Wagtail	<i>Motacilla alba yarrellii</i>		X		X	
Grey Wagtail	<i>Motacilla cinerea</i>			X	X	
Family Troglodytidae (Wrens)						
Wren	<i>Troglodytes troglodytes</i>		X	X	X	
Family Prunellidae (Accentors)						
Dunnoch	<i>Prunella modularis</i>		X			
Family Muscicapidae (Flycatchers and Chats)						
Robin	<i>Erithacus rubecula</i>		X	X	X	
Wheatear	<i>Oenanthe oenanthe</i>				X	
Redstart	<i>Phoenicurus phoenicurus</i>				X	
Family Turdidae (Thrushes)						
Song Thrush	<i>Turdus philomelos</i>		X	X	X	
Blackbird	<i>Turdus merula</i>		X	X	X	
Family Sylviidae (Sylvia Warblers)						
Blackcap	<i>Sylvia atricapilla</i>		X	X	X	
Whitethroat	<i>Sylvia communis</i>		X			
Lesser Whitethroat	<i>Sylvia curruca</i>				X	
Family Phylloscopidae (Leaf Warblers)						
Chiffchaff	<i>Phylloscopus collybita</i>		X	X	X	
Family Regulidae (Crests)						
Goldcrest	<i>Regulus regulus</i>			X		
Family Paridae (Tits)						
Great Tit	<i>Parus major</i>		X	X	X	
Blue Tit	<i>Cyanistes caeruleus</i>		X	X	X	
Family Sittidae (Nuthatches)						
Nuthatch	<i>Sitta europaea</i>		X	X	X	
Family Corvidae (Crows)						
Magpie	<i>Pica pica</i>		X	X	X	
Jay	<i>Garrulus glandarius</i>			X		
Jackdaw	<i>Corvus monedula</i>		X	X	X	
Rook	<i>Corvus frugilegus</i>				X	
Carrion Crow	<i>Corvus corone</i>			X	X	
Raven	<i>Corvus corax</i>		X	X	S	
Family Passeridae (Sparrows)						
House Sparrow	<i>Passer domesticus</i>		X			
Family Fringillidae (Finches)						
Chaffinch	<i>Fringilla coelebs</i>		X	X		
Goldfinch	<i>Carduelis carduelis</i>		X	X	X	
Linnet	<i>Carduelis cannabina</i>		X			
Greenfinch	<i>Carduelis chloris</i>		X			

MAMMALS

ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
American Mink	<i>Mustela vison</i>			X		
Otter	<i>Lutra lutra</i>				S	
Red Fox	<i>Vulpes vulpes</i>				S	
Bank Vole	<i>Myodes glareolus</i>		X	X		
Grey Squirrel	<i>Sciurus carolinensis</i>		X	X		
European Hedgehog	<i>Erinaceus europaeus</i>		D			
Mole	<i>Talpa europaea</i>		S	X	S	
Pygmy Shrew	<i>Sorex minutus</i>		D			
Brown Hare	<i>Lepus europaeus</i>				X	
Rabbit	<i>Oryctolagus cuniculus</i>		X	X	X	

AMPHIBIANS

Common Frog	<i>Rana temporaria</i>		X			
Common Toad	<i>Bufo bufo</i>				X	

FISH

Perch	<i>Perca fluviatilis</i>			X		
Pike	<i>Esox lucius</i>			X		
Roach	<i>Rutilus rutilus</i>			X		
Tench	<i>Tinca tinca</i>			X		

INVERTEBRATES

LEPIDOPTERA: butterflies

Family Pieridae (Whites)

Brimstone	<i>Gonopteryx rhamni</i>			X	X	
Large White	<i>Pieris brassicae</i>			X		
Small White	<i>Pieris rapae</i>			X		

Family Lycaenidae (Blues, Coppers, Hairstreaks)

Common Blue	<i>Polyommatus icarus</i>				X	
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Family Nymphalidae (Nymphs, Fritillaries and Browns)

Red Admiral	<i>Vanessa atalanta</i>			X	X	
Speckled Wood	<i>Parage aegeria</i>		X	X	X	
Small Heath	<i>Coenonympha pamphilus</i>		X		X	
Meadow Brown	<i>Maniola jurtina</i>		X	X	X	
Ringlet	<i>Aphantopus hyperantus</i>		X	X	X	

LEPIDOPTERA: moths

Cinnabar	<i>Tyria jacobaea</i>		X	X		
Burnet Companion	<i>Euclidia glyphica</i>		X			
Silver Y	<i>Autographa gamma</i>		X			

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ENGLISH NAME	SCIENTIFIC NAME	1	2	3	4	5
Chimney Sweeper	<i>Odezia atrata</i>		X			
The Forester	<i>Adscita statices</i>		X			
Mullein Moth	<i>Cucullia verbasci</i>			X		
Yellow Shell	<i>Camptogramma bilineata</i>				X	
Garden Grass-moth	<i>Chrysoteuchia culmella</i>		X			
COLEOPTERA: beetles						
Meadow Crane's-bill Weevil	<i>Zacladus geranii</i>		X			
Spotted Longhorn	<i>Rutpela maculata</i>			X		
Golden-bloomed Grey Longhorn	<i>Agapanthia villosoviridescens</i>		X			
Alder Leaf Beetle	<i>Agelastica alni</i>			X	X	
Reed Sweet-grass Beetle	<i>Donacia semicuprea</i>			X		
Thick-thighed Beetle	<i>Oedemera nobilis</i>		X			
Red-headed Cardinal Beetle	<i>Pyrochroa coccinea</i>		X			
Rhinoceros Beetle	<i>Sinodendron cylindricum</i>				X	
Two-spot Ladybird	<i>Adalia bipunctata</i>			X		
Harlequin Ladybird	<i>Harmonia axyridis</i>			X		
HEMIPTERA: bugs						
Mouse-ear Hawkweed Bug	<i>Hoplocmachus thunbergia</i>		X			
Dyer's Greenweed Bug	<i>Heterocordylus genistae</i>		X			
Hairy Shieldbug	<i>Dolycoris baccarum</i>		X			
Dock Bug	<i>Coreus marginatus</i>		X			
MISCELLANY						
Super Ant-hill Hoverfly	<i>Xanthogramma pedissequum</i>		X			
Solomon's Seal Sawfly	<i>Phymatocera aterrima</i>			X		
Scorpionfly	<i>Panorpa communis</i>		X		X	
Germander Speedwell Gall Midge	<i>Jaapiella verorincae</i>				X	
Thyme Gall Mite	<i>Aceria thomasi</i>		X			
Marsham's Nomad Bee	<i>Nomada marshamella</i>				X	
Alder Wrinkle Gall	<i>Taphrina tosquinetii</i>			X		
Rock Snail	<i>Pyramidula umbilicate</i>				X	



Above: Tench (left) and The Forester (right)

thank you for travelling with us

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