

The Wild Flowers of Upper Teesdale

Naturetrek Tour Report

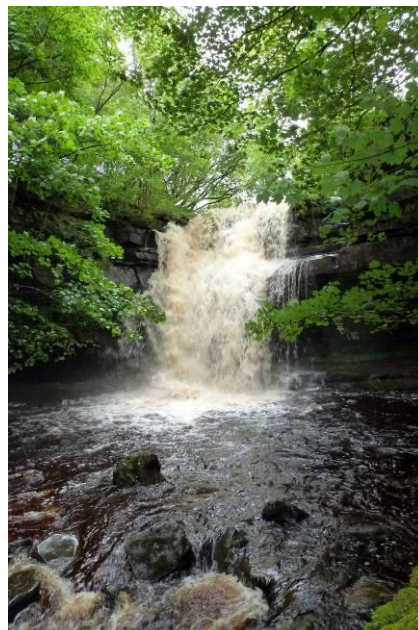
22 - 25 June 2012



Fragrant Orchid, *Gymnadenia conopsea*



Clients at Low Force



Summer Hill Force and Gibson's Cave

Report and images compiled by Dawn Nelson



Naturetrek Cheriton Mill Cheriton Alresford Hampshire SO24 0NG England

T: +44 (0)1962 733051

F: +44 (0)1962 736426

E: info@naturetrek.co.uk

W: www.naturetrek.co.uk

Tour Leader:	Dawn Nelson	Naturetrek Botanist
Participants:	Steph Warburton	
	Rachel Benskin	
	Ann Alderman	
	David Hartill	
	Janet Howell	
	Jane Carr	
	Frances Slater	
	Gloria Jennings	
	Mary Parker	
	Mary Briggs	
	Jennifer Rae	

Day 1

Friday 22nd June

Bowlees and banks of the River Tees near Wynch Bridge

Weather: 14°C Heavy Rain and moderate wind.

The group met up in the hotel bar and we introduced ourselves over coffee and tea whilst Dawn outlined the itinerary. After gathering our courage we headed out into the rain for our first walk. We parked at Bowlees noting *Mecanopsis cambrica* (Welsh Poppy) and *Chenopodium bonus-henricus* (Good King Henry). We passed through hay meadows spotting *Ranunculus acris* (Meadow Buttercup) and *Cynosorus cristata* (Crested Dog's-tail), then over Wynch Bridge. Upstream from here we admired the sheep sculpture, *Geranium sylvaticum* (Wood Crane's-bill) and *Cirsium heterophyllum* (Melancholy Thistle), the latter just starting to flower. Orchids drew our attention next and we identified *Dactylorhiza maculata* (Heath Spotted-orchid), *Dactylorhiza fuchsii* (Common Spotted-orchid) and *Dactylorhiza purpurella* (Northern Marsh-orchid) as well as some robust hybrids of the latter two known as *Dactylorhiza x venusta*, which is common here.

The river was in spate after so much rain and it was fascinating to watch the huge waves and eddies. Soon after spotting a solitary *Lilium pyrenaicum* (Pyrenean Lily) we headed back downstream noting *Vaccinium myrtillus* (Bilberry) and finding a bush of *Potentilla fruticosa* (Shrubby Cinquefoil) in flower and not inundated by the flood. We passed Wynch Bridge carrying on downstream to get a sight of one of the local rarities *Sorbus rupicola* (Rock Whitebeam) on the cliff top above us.

On our return we added *Polypodium vulgare* (Common Polypody), *Myrrhis odorata* (Sweet Cicely) and *Equisetum palustre* (Marsh Horsetail). Then a last stop to photograph and gaze in awe at the huge power of the water at Low Force. Finally back at the road we added three plants; *Matricaria discoidea* (Pineappleweed), *Poa pratensis* (Smooth Meadow-grass) and *Heracleum sphondylium* (Hogweed) to our first day list.

Day 2

Saturday 23rd June

Widdybank Farm and Cetry Bank, followed by a drive, then Bowlees Quarry and Bowlees Beck to Gibson's Cave

Weather: 15°C Overcast with some heavy showers, occasional gaps in the clouds and a strong wind

A clear sky first thing gave us high hopes and we set off to visit Cronkley Fell. Sadly by the time we disembarked from the minibus the rain had set in. Our first species of the day were *Leucanthemum vulgare* (Ox-eye Daisy) and *Pimpinella saxifraga* (Burnet Saxifrage). Our walk towards Cronkley Bridge was in driving rain and it was not long before we realised that trying for Cronkley Fell at 540m was not a good idea. So we returned to the minibus and set off for the more sheltered location at Widdybank Farm, as luck would have it the rain now eased off!

On the drive to the farm we saw *Vanellus vanellus* (Lapwing), a pair of *Lagopus lagopus* (Red Grouse) and *Persicaria bistorta* (Common Bistort). With permission from Natural England we explored the hay meadow; this had to be done carefully in two groups, to avoid trampling the crop. The plants seen included *Bartsia alpina* (Alpine Bartsia), *Dactylorhiza incarnata ssp. incarnata* (Early Marsh Orchid), *Tolfieldia pusilla* (Scottish Asphodel) and *Eleocharis quinqueflora* (Few-flowered Spike-rush); all duly photographed. Whilst one group explored the meadow the others had some fantastic sightings of a pair of *Turdus torquatus* (Ring Ouzel) visiting their nest in a wall across the next meadow.

We then headed along the footpath to Cetry Bank, we noted *Ranunculus flammula* (Lesser Spearwort) en route. Our picnic lunch was taken overlooking the churning brown waters of the River Tees in full flood, so different from its sparkling, tinkling beauty on a fine summer's day. We explored Cetry Bank finding a few of its rarities such as *Saxifraga aizoides* (Yellow Saxifrage), *Pinguicula vulgaris* (Common Butterwort), *Plantago maritima* (Sea Plantain) and *Antennaria dioica* (Mountain Everlasting). The rain made it hard to see clearly, so we returned to the minibus and went for a scenic drive.

At Peghorn Lodge we stopped to examine *Imperatoria ostruthium* (Masterwort) with its typical umbellifer flowers and inflated sheathing stalks. A little further on we stopped to admire, and photograph, whole meadows full of *Trollius europaeus* (Globeflower). On the verges nearby were *Caltha palustris* (Marsh Marigold) and *Alchemilla grablra* (Smooth Lady's-mantle).

The rain persisted but we were still keen; so we visited Bowlees Quarry finding *Blysmus compressus* (Flat Sedge), *Korobresia simpliciuscula* (False Sedge) and *Aquilegia vulgaris* (Columbine). David spotted a particularly good example of *Geum x intermedium* the hybrid between *Geum rivale* (Water Avens) and *Geum urbanum* (Wood Avens), both parents being plentiful in the area.

A walk alongside the Bowlees Beck took us to Gibson's Cave and Summer Hill Force, another spectacular waterfall. Along the way we spotted *Chrysosplenium oppositifolium* (Opposite-leaved Golden-Saxifrage) and *Dryopteris affinis ssp affinis* (Scaly Male Fern) noting the black dots on the underside of the frond that distinguish this species from *Dryopteris felix-mas* (Common Male Fern). On the return walk we spotted Fragrant Orchids on a grassy bank and by their scent identified them as *Gymnadenia conopsea* (Fragrant Orchid) and *Gymnadenia borealis* (Heath Fragrant Orchid).

Back in the car park we looked at the trees, noting *Tilia cordata* (Small-leaved Lime), and *Ulmus glabra* (Wych Elm), Dawn explained the difference between the unrelated but similar looking *Fagus sylvatica* (Ash) and *Sorbus aucuparia* (Mountain Ash or Rowan).

Damp but happy with our finds we returned to Middleton-in-Teesdale, to refresh ourselves and our memories of the day with a résumé of our finds.

Day 3

Sunday 24th June

Cow Green Nature Trail and Cauldron Snout

Weather: 15° Overcast with light showers and sunny spells, wind moderate to strong

The weather promised to be better but was still overcast and showery so we went to Cow Green Reservoir and walked to the dam, then on to Cauldron Snout. First to attract our attention were *Galium sternerii* (Limestone Bedstraw) and *Equisetum variegatum* (Variegated Horsetail). An exciting distraction from botanising was created by Mary Briggs sighting a large raptor that eventually showed itself clearly enough to be identified as *Asio flammeus* (Short-eared Owl).

The underlying rock and plant communities change often along the trail from acid moorland and bog to base rich wet flushes and sugar limestone, there are also patches of Barytes; remains from the lead mining here that only stopped in the 1950's. At these we found *Minuartia verna* (Spring Sandwort) which is an indicator, being tolerant of the pollution, and thriving without much in the way of competition. *Carex capillaris* (Hair Sedge) was also spotted. *Galium boreale* (Northern Bedstraw) was seen in the trackside, and leaves of *Thalictrum alpinum* (Alpine Meadow-Rue) were nearby. Mary Parker found *Emperatum nigrum ssp nigrum* (Crowberry), damper areas gave us *Carex viridula ssp brachyryhyncha* (Long-bracted Yellow-sedge), *Eriophorum vaginatum* (Hare's-tail Cotton-grass) and *Narthesium ossifagum* (Bog asphodel) still only in bud due to the late season.

We also found a very handsome large *Rana temporaria* (Common Frog) obviously enjoying the wet weather! Steph spotted a *Zootoca vivipara* (Common Lizard) and Rachel managed to find both *Asplenium viride* (Green Spleenwort) tucked into a rock crevice and *Drosera rotundifolia* (Round-leaved Sundew) in a wet flush.

We examined *Dryopteris oreades* (Mountain Male Fern) at the dam and ate our picnic in the shelter of it. From here it was not far to Cauldron Snout where we enjoyed the spectacular waterfall in spate, which made up in part for the sogginess of the weekend. On our return journey we found *Juncus bulbosus* (Bulbous Rush) and *Stellaria alsine* (Bog Stichwort). A dark cloud was approaching, but we reached the minibus and once safely aboard we felt quite smug when the torrential rain came down again. An early return to the hotel was called for...

We completed our lists before dinner and later drove out to see if we could get a sighting of *Lyrurus tetrix* (Black Grouse). We stopped at several locations along the road above the valley where they are usually seen and with much help from the birders and sharing of binoculars, we all managed eventually to get a view of two birds that showed intermittently, also seen were a pair of *Scolopax rusticola* (Woodcock). Satisfied we set off back to the hotel when a call came to stop. In the corner of a meadow within easy view, even without binoculars, were eleven Black Grouse showing beautifully. The excitement was contagious, we watched mesmerised until they flew off. We returned to the hotel with wide grins.

Day 4

Monday 25th June

High Force and downstream on both sides of the River Tees

Weather: 14° Overcast with a light breeze

Jennifer had left late yesterday evening and Ann, David, Frances, Gloria and Jane left this morning after breakfast. Janet, Mary, Mary, Rachel and Steph, with Dawn, set off to High Force. Taking the footpath down to the river we noted *Arctium minus* (Lesser Burdock), *Melica uniflora* (Wood Melick) and *Mycelis muralis* (Wall Lettuce). The riverside pasture yielded *Rhamnus cathartica* (Buckthorn), *Muscicapa striata* (Spotted Flycatcher) and a pair of *Sylvia atricapilla* (Eurasian Blackcap) and our only moth of the weekend, sadly Jennifer was not here to identify it for us.

Crossing the river at Holwick Head Bridge we saw *Dactylorhiza x venusta* with the distinctive oblong spotting of *Dactylorhiza fuchsia* (Common Spotted-orchid), one of its parents and the deep colour and lip shape of the other, *D. purpurella* (Northern Marsh-orchid), it was growing in a mixed stand of the branched *Equisetum sylvaticum* (Wood Horsetail) and the much rarer *E. pratense* (Shade Horsetail). We looked closely to see that both these species have three-angled branches. Carrying on downstream, we came to a large stand of *Carex acutiformis* (Lesser Pond-sedge) before returning upstream and past the bridge towards High Force. Here is the largest *Juniperus communis* (Common Juniper) wood in England, we were amazed by the variety of forms Juniper can produce. Sadly this area is infected with Phytophthora, so our boots needed disinfecting on the way out again. In one Juniper bush a *Regulus regulus* (Goldcrest) was spotted by the birders and a little later we saw *Populus tremula* (Aspen).

After admiring High Force from above we headed back to the bridge and went down on the other side of the river to see it from below. *Athyrium fleix-femina* (Lady Fern) and *Veronica beccabunga* (Brooklime) were among the plants seen on the way down. At the viewing point Mary Parker spotted *Cystopteris fragilis* (Brittle Bladder-fern), we also saw *Crepis paludosa* (Marsh Hawk's-beard) and *Galium odoratum* (Sweet Woodruff). The last records for the weekend were *Hypericum pulchrum* (Slender St. John's-wort), a *Bombus sp* (Bumble Bee) finally enjoying some dry weather and a *Periparus ater* (Coal Tit) in the car park.

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Species List

Plants

Group/Species	English Name (if any)	Location
PTERIDOPHYTES		
FERNS & ALLIES		
Selaginellaceae	Lesser Clubmoss Family	
<i>Selaginella selaginoides</i>	Lesser Clubmoss	Bowlees Quarry and Cow Green Nature Trail
Equisetaceae	Horsetail Family	
<i>Equisetum palustre</i>	Marsh Horsetail	E of Winch Bridge
<i>Equisetum pratense</i>	Shady Horsetail	E of High Force
<i>Equisetum sylvaticum</i>	Wood Horsetail	E of High Force
<i>Equisetum variegatum</i>	Variegated Horsetail	Cow Green Nature Trail
Aspleniaceae	Spleenwort Family	
<i>Asplenium scolopendrium</i>	Hart's-tongue	Bowlees Quarry
<i>Asplenium viride</i>	Green Spleenwort	Cow Green Nature Trail
Blechnaceae	Hard-fern Family	
<i>Blechnum spicant</i>	Hard-fern	Cauldron Snout
Dennstaedtiaceae	Bracken Family	
<i>Pteridium aquilinum</i>	Bracken	Common
Dryopteridaceae	Buckler-fern Family	
<i>Dryopteris affinis ssp affinis</i>	Scaly Male-fern	nr Gibsons Cave
<i>Dryopteris filix-mas</i>	Male-fern	Common
<i>Dryopteris oreades</i>	Mountain Male-fern	Cow Green Damn
Polypodiaceae	Polypody Family	
<i>Polypodium vulgare</i>	Common Polypody	E of Winch Bridge
Woodsiaceae	Lady-fern Family	
<i>Anhyrium felix-femina</i>	Lady-fern	Nr High Force
<i>Cystopteris fragilis</i>	Brittle Bladder-fern	High Force
PINOPSIDA		
CONIFERS		
Cupressaceae	Juniper Family	
<i>Juniperus communis</i>	Common Juniper	nr High Force
Pinaceae	Pine Family	
<i>Pinus sylvestris</i>	Scot's Pine	Common
<i>Laris sp</i>	Larch	Bowlees
MAGNOLIOPSIDA		
FLOWERING PLANTS		
Magnoliidae		
Amaranthaceae	Goosefoot Family	
<i>Chenopodium bonus-henricus</i>	Good King Henry	Bowlees

Group/Species	English Name (if any)	Location
Apiaceae	Carrot Family	
<i>Anthriscus sylvestris</i>	Cow Parsley	Frequent
<i>Conopodium majus</i>	Pignut	River Tees upstream from Winch Bridge
<i>Imperatoria ostruthium</i>	Masterwort	Peghorn Lodge
<i>Heracleum sphondylium</i>	Hogweed	Common
<i>Myrrhis odorata</i>	Sweet Cicely	Frequent
<i>Pimpinella saxifraga</i>	Burnet-saxifrage	Common
<i>Sanicula europaea</i>	Sanicle	Bowlees and High Force
Asteraceae	Daisy Family	
<i>Achillea millefolium</i>	Yarrow	Common
<i>Antennaria dioica</i>	Mountain Everlasting	Cetry Bank and Cow Green enclosure nr High Force
<i>Arctium minor</i>	Lesser Burdock	Common
<i>Bellis perennis</i>	Daisy	Common
<i>Carduus crispus</i>	Wetted Thistle	Bowlees Quarry
<i>Cirsium heterophyllum</i>	Melancholy Thistle	Common
<i>Cirsium arvense</i>	Creeping Thistle	Frequent
<i>Cirsium palustre</i>	Marsh Thistle	Common
<i>Cirsium vulgare</i>	Spear Thistle	Frequent
<i>Crepis paludosa</i>	Marsh Hawksbeard	High force
<i>Hieracium agg</i>	Hawkweed	River Tees upstream from Winch Bridge
<i>Leontodon hispidus</i>	Rough Hawkbit	Cetry Bank
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	Hanging Shaw
<i>Matricaria discoidea</i>	Pineappleweed	Bowlees
<i>Mycelis muralis</i>	Wall Lettuce	nr High Force
<i>Petasites hybridus</i>	Butterbur	Roadsides
<i>Pilosella officinarum</i>	Mouse-ear Hawkweed	Cetry Bank
<i>Solidago virgaurea</i>	Goldenrod	nr High Force
<i>Taraxacum agg</i>	Dandelion group	Frequent
<i>Tussilago farfara</i>	Coltsfoot	Common
Betulaceae	Birch Family	
<i>Alnus glutinosa</i>	Alder	Common
<i>Betula pubescens</i>	Downy Birch	Frequent
<i>Betula pubescens ssp tortuosa</i>	Downy Birch, upland subsp.	River Tees upstream from Winch Bridge
<i>Corylus avellana</i>	Hazel	Frequent
Boraginaceae	Borage Family	
<i>Myosotis arvensis</i>	Field Forget-me-not	Frequent
<i>Myosotis secunda</i>	Creeping forget-me-not	Winch Bridge
Brassicaceae	Cabbage Family	
<i>Cardamine flexuosa</i>	Wavy Bitter-cress	nr Gibson's Cave
<i>Cardamine pratensis</i>	Cuckooflower	Frequent
<i>Hesperis matronalis</i>	Dame's Violet	Bowlees
Campanulaceae	Bellflower Family	
<i>Campanula rotundifolia</i>	Harebell	leaves upstream from Winch Bridge
Caprifoliaceae	Honeysuckle Family	
<i>Sambucus nigra</i>	Elderberry	nr High Force

Group/Species	English Name (if any)	Location
Caryophyllaceae	Pink Family	
<i>Cerastium fontanum</i>	Common Mouse-ear	Common
<i>Lychnis flos-cuculi</i>	Ragged Robin	Frequent
<i>Minuartia verna</i>	Spring Sandwort	Cow Green Nature Trail
<i>Sagina procumbens</i>	Procumbent Pearlwort	Cow Green Nature Trail
<i>Silene dioica</i>	Red campion	Frequent
<i>Stellaria alsine</i>	Bog Stichwort	Cow Green Nature Trail
<i>Stellaria media</i>	Common Chickweed	Common
Crassulaceae	Stonecrop Family	
<i>Sedum sexangulare</i>	Tasteless Stonecrop	Bowlees
Dipsacaceae	Teasel Family	
<i>Succisa pratensis</i>	Devil's-bit Scabious	River Tees upstream from Winch Bridge
Droseraceae	Sundew Family	
<i>Drosera rotundifolia</i>	Round-leaved Sundew	Cow Green Nature Trail
Empetraceae	Crowberry Family	
<i>Empetrum nigrum subsp. nigrum</i>	Crowberry	Cow Green Nature Trail
Ericaceae	Heather Family	
<i>Calluna vulgaris</i>	Heather	Common
<i>Erica tetralix</i>	Cross-leaved Heath	Cow Green Nature Trail
<i>Vaccinium myrtillus</i>	Bilberry	River Tees upstream from Winch Bridge
Euphrbiceae	Spurge Family	
<i>Mercurialis perennis</i>	Dog's Mercury	Frequent
Fabaceae	Pea Family	
<i>Trifolium campestre</i>	Hop Trefoil	Cow Green Nature Trail
<i>Trifolium pratense</i>	Red Clover	Frequent
<i>Trifolium repens</i>	White Clover	Frequent
<i>Lathyrus linifolius</i>	Bitter Vetch	River Tees upstream from Winch Bridge
<i>Lathyrus pratensis</i>	Meadow Vetchling	River Tees upstream from Winch Bridge
<i>Lotus pedicularis</i>	Greater Bird's-foot- trefoil	Common
<i>Ulex europaea</i>	Gorse	Driving
<i>Vicia sepium</i>	Bush Vetch	Bowlees
Fagaceae	Beech Family	
<i>Fagus sylvatica</i>	Beech	Frequent
Gentianaceae	Gentian Family	
<i>Gentianella amarella</i>	Felwort	leaves on Cow Green Nature Trail
Geraniaceae	Crane's-bill Family	
<i>Geranium pratense</i>	Meadow Crane's-bill	leaves Frequent
<i>Geranium robertianum</i>	Herb Robert	Frequent
<i>Geranium sylvaticum</i>	Wood Crane's-bill	Common
Hypericaceae	St John's-wort Family	
<i>Hypericum pulchrum</i>	Slender St-John's-wort	nr High force

Group/Species	English Name (if any)	Location
Lamiaceae	Dead-nettle Family	
<i>Ajuga reptans</i>	Common Bugle	Frequent
<i>Lamium album</i>	White Dead-nettle	Bowlees
<i>Teucrium scordium</i>	Wood Sage	River Tees upstream from Winch Bridge
<i>Thymus polytrichus</i>	Wild Thyme	Frequent
Linaceae	Flax Family	
<i>Linum catharticum</i>	Purging or Fairy Flax	Cow Green Nature Trail
Lentibulariaceae	Butterwort Family	
<i>Pinguicula vulgaris</i>	Common Butterwort	Frequent in wet flushes
Malvaceae	Mallow Family	
<i>Tilia cordata</i>	Small-leaved Lime	Bowlees
Menyanthaceae	Bogbean Family	
<i>Menyanthes trifoliata</i>	Bogbean	leaves Bowlees Quarry
Oleaceae	Olive Family	
<i>Fraxinus excelsior</i>	Ash	Frequent
Onagraceae	Willowherb Family	
<i>Chamerion angustifolium</i>	Rosebay Willowherb	nr High Force
Orobanchaceae	Broomrape Family	
<i>Bartsia alpina</i>	Alpine Bartsia	Widdybank Farm and Cetry Bank
<i>Euphrasia</i> sp.	Eyebright	Bowlees and Widdybank Farm
<i>Pedicularis palustris</i>	Marsh Lousewort	Widdybank Farm
<i>Pedicularis sylvatica</i>	Lousewort	River Tees upstream from Winch Bridge
<i>Rhinanthus minor</i>	Yellow-rattle	Frequent
Oxalidaceae	Wood Sorrel Family	
<i>Oxalis acetosella</i>	Wood Sorrel	Winch Bridge
Papaveraceae	Poppy Family	
<i>Mecanopsis cambrica</i>	Welsh Poppy	Bowlees
Plantaginaceae	Plantain Family	
<i>Plantago lanecolata</i>	Ribwort Plantain	Common
<i>Plantago major</i>	Greater Plantain	Common
<i>Plantago maritima</i>	Sea Plantain	Cetry Bank and Cow Green Nature Trail
Polygalaceae	Milkwort Family	
<i>Polygala serpyllifolia</i>	Heath Milkwort	Cow Green Nature Trail
<i>Polygala vulgaris</i>	Common Milkwort	Frequent
Polygonaceae	Knotweed Family	
<i>Persicaria bistorta</i>	Common Bistort	road to Widdybank Farm
<i>Persicaria vivipara</i>	Alpine Bistort	Frequent
<i>Rumex acetosa</i>	Sorrel	Frequent
<i>Rumex longifolius</i>	Northern Dock	Frequent

Group/Species	English Name (if any)	Location
Potamogetonaceae	Pondweed Family	
<i>Potamogeton polygonifolius</i>	Bog Pondweed	Cow Green Nature Trail
Primulaceae	Primrose Family	
<i>Lysimachia nemorum</i>	Yellow Pimpernel	Winch Bridge
<i>Primula farinosa</i>	Bird's-eye Primrose	Frequent
<i>Primula veris</i>	Cowslip	seedheads E of winch Bridge
<i>Primula vulgaris</i>	Primrose	leaves nr Gibson's Cave
Ranunculaceae	Buttercup Family	
<i>Anemone nemorosa</i>	Wood Anemone	leaves E of Winch Bridge
<i>Aquilegia vulgaris</i>	Columbine	Bowlees Quarry
<i>Caltha palustris</i>	Marsh Marigold	Verge near Peghorn Lodge
<i>Ficaria verna</i>	Lesser Celandine	leaves nr Gibson's Cave
<i>Ranunculus acris</i>	Meadow Buttercup	Common
<i>Ranunculus flammula</i>	Lesser Spearwort	nr Cetry Bank
<i>Ranunculus repens</i>	Creeping Buttercup	Common
<i>Thalictrum alpinum</i>	Alpine Meadow-rue	leaves nr Cow Green enclosure
<i>Trollius europaeus</i>	Globeflower	Frequent
Rosaceae	Rose Family	
<i>Alchemilla glabra</i>	Smooth Lady's-mantle	Frequent
<i>Alchemilla wichuriae</i>	Rock Lady's-mantle	Cetry Bank
<i>Crataegus monogyna</i>	Hawthorn	Occasional
<i>Filipendula ulmaria</i>	Meadow Sweet	Occasional
<i>Fragaria vesca</i>	Wild Strawberry	Bowlees Quarry
<i>Geum rivale</i>	Water Avens	Frequent
<i>Geum urbanum</i>	Wood Avens	Frequent
<i>Geum x intermedium</i>	Hybrid Geum	Bowlees
<i>Helianthemum nummularium</i>	Common Rock-rose	Cetry Bank and cow Green Nature Trail
<i>Potentilla erecta</i>	Tormentil	Frequent
<i>Potentilla fruticosa</i>	Shrubby Cinquefoil	River Tees upstream from Winch Bridge
<i>Potentilla sterilis</i>	Barren Strawberry	Bowlees
<i>Prunus padus</i>	Bird Cherry	Bowlees
<i>Prunus spinosa</i>	Blackthorn	nr High Force
<i>Rhamnus cathartica</i>	Buckthorn	nr High Force
<i>Rubus fruticosus</i>	Bramble	Bowlees
<i>Rubus idaeus</i>	Raspberry	Bowlees
<i>Rubus saxatilis</i>	Stone Bramble	Bowlees
<i>Sanguisorba officinalis</i>	Great Burnet	Frequent
<i>Sorbus aucuparia</i>	Rowan	Frequent
<i>Sorbus rupicola</i>	Rock Whitebeam	E of Winch Bridge
Rubiaceae	Bedstraw Family	
<i>Cruciata laevipes</i>	Crosswort	Frequent
<i>Galium boreale</i>	Northern Bedstraw	River Tees upstream from Wnch Bridge and Cow Green enclosure
<i>Galium odoratum</i>	Sweet Woodruff	High Force
<i>Galium saxatile</i>	Heath Bedstraw	Frequent
<i>Galium sternerii</i>	Limestone Bedstraw	Cow Green Nature Trail
<i>Galium verum</i>	Ladies Bedstraw	Widdy Bank Farm

Group/Species	English Name (if any)	Location
Saxifragaceae	Saxifrage Family	
<i>Chrysosplenium oppositifolium</i>	Opposite-leaved Golden-saxifrage	nr Gibson's Cave
<i>Saxifraga aizoides</i>	Yellow Saxifrage	Cetry Bank
Saliciaceae	Willow Family	
<i>Populus tremula</i>	Aspen	nr High Force
<i>Salix caprea</i>	Goat Willow	River Tees upstream from Winch Bridge
<i>Salix cinerea</i>	Grey Willow	Bowlees
<i>Salix phyllifolia</i>	Tea -leaved Willow	River Tees upstream from Winch Bridge
Spindaceae	Maple Family	
<i>Acer campestre</i>	Field Maple	Frequent
<i>Acer pseudoplatanus</i>	Sycamore	Frequent
Ulmaceae	Elm Family	
<i>Ulmus glabra</i>	Whych Elm	Bowlees
Urticaceae	Nettle Family	
<i>Urtica dioica</i>	Common Nettle	Frequent
Valerianaceae	Valerian Family	
<i>Valeriana dioica</i>	Marsh Valerian	Widdybank Farm and Cetry Bank
Veronicaceae	Speedwell Family	
<i>Digitalis purpurea</i>	Foxglove	Frequent
<i>Veronica beccabunga</i>	Brooklime	nr High Force
<i>Veronica chamaedrys</i>	Germander Speedwell	Common
<i>Veronica officinalis</i>	Heath Speedwell	Frequent
<i>Veronica serpyllifolia</i> subsp. <i>humifusa</i>	Thyme-leaved Speedwell	Widdybank Farm
Violaceae	Violet Family	
<i>Viola lutea</i>	Mountain Pansy	Common
<i>Viola riviniana</i>	Common Dog-violet	Frequent
Cyperaceae	Sedge Family	
<i>Blysmus compressus</i>	Flat sedge	Bowlees Quarry
<i>Carex acutiformis</i>	Lesser Pond-sedge	downstream from High Force
<i>Carex capillaris</i>	Hair Sedge	Cow Green Nature Trail
<i>Carex echinata</i>	Star Sedge	Cow Green Nature Trail
<i>Carex flacca</i>	Glaucous Sedge	Frequent
<i>Carex nigra</i>	Common Sedge	Widdybank Farm
<i>Carex pallescens</i>	Pale Sedge	Widdybank Farm
<i>Carex panicea</i>	Carnation Sedge	Widdybank Farm
<i>Carex pilulifera</i>	Pill Sedge	Cow Green Nature Trail
<i>Carex pulicaris</i>	Flea Sedge	Bowlees Quarry
<i>Carex viridula</i> ssp. <i>brachyrhyncha</i>	Long-bracted Yellow-sedge	Cow Green Nature Trail
<i>Carex sylvatica</i>	Wood Sedge	Frequent
<i>Eriophorum angustifolium</i>	Common Cottongrass	Widdybank Farm
<i>Eriophorum latifolium</i>	Broad-leaved Cottongrass	Widdybank Farm
<i>Eriophorum vaginiatum</i>	Hare's-tail Cottongrass	Cow Green Nature Trail
<i>Eleocharis quinqueflora</i>	Few-flowered Spike-rush	Widdybank Farm and Cow Green Nature Trail
<i>Kobresia simpliciuscula</i>	False Sedge	Bowlees Quarry and Cow Green Nature Trail

Group/Species	English Name (if any)	Location
<i>Trichophorum germanicum</i>	Deer Grass	Cow Green Nature Trail
Juncaceae	Rush Family	
<i>Juncus bulbosus</i>	Bulbous Rush	Cow Green Nature Trail
<i>Juncus effusus</i>	Soft Rush	Common
<i>Juncus inflexus</i>	Hard Rush	downstream from High Froce
<i>Juncus squarrosus</i>	Heath Rush	Cetry Bank
<i>Luzula campestris</i>	Field Wood-rush	Cetry Bank
<i>Luzula pilosa</i>	Hairy Wood-rush	nr High Force
<i>Luzula sylvatica</i>	Greater Wood-rush	Bowlees
Liliaceae	Lily Family	
<i>Hyacinthoides non-scripta</i>	Bluebell	in fruit Frequent
<i>Iris pseudocharis</i>	Yellow Flag	Driving
<i>Lillium pyrenaicum</i>	Pyrenean Lily	River Tees upstream from Winch Bridge
<i>Narthecium ossifragum</i>	Bog Asphodel	leaves at Cow Green Nature Trail
<i>Tofieldia pusilla</i>	Scottish Asphodel	Widdybank Farm and Cow Green Nature Trail
Orchidaceae	Orchid Family	
<i>Dactylorhiza fuchsii</i>	Common Spotted-orchid	Common
<i>Dactylorhiza incarnata ssp incarnata</i>	Early Marsh-orchid	Widdybank Farm
<i>Dactylorhiza maculata ssp ericetorum</i>	Heath Spotted-orchid	River Tees upstream from Winch Bridge
<i>Dactylorhiza purpurella</i>	Northern Marsh-orchid	River Tees upstream from Winch Bridge
<i>Dactylorhiza x venusta</i>	Hybrid Orchid D fuschii x purpurella	River Tees upsteam from Winch Bridge and nr High Force
<i>Dactylorhiza x formosa</i>	Hybrid Orchid D maculata x purpurella	Widdybank Farm
<i>Gymnadenia borealis</i>	Heath Fragrant Orchid	Widdybank Farm and nr Bowlees Quarry
<i>Gymnadenia conopsea</i>	Fragrant orchid	Widdybank Farm and nr Bowlees Quarry
<i>Listera ovata</i>	Twayblade	Bowlees
Poaceae	Grass Family	
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	Common
<i>Brachypodium sylvaticum</i>	False Brome	Bowlees
<i>Briza media</i>	Quaking Grass	Frequent
<i>Bromopsis ramosa</i>	Hairy Brome	Bowlees
<i>Cynosorus cristatus</i>	Crested Dog's-tail	Frequent
<i>Dactylis glomerata</i>	Cock's-foot	Common
<i>Deschampsia cespitosa</i>	Tufted Hair-grass	Bowlees
<i>Festuca ovina</i>	Sheeps Fescue	Cauldron Snout
<i>Helictotrichon pratensis</i>	Meadow Oat Grass	Frequent
<i>Holcus lanata</i>	Yorkshire Fog	Frequent
<i>Lolium perenne</i>	Perennial Rye-grass	Frequent
<i>Melica uniflora</i>	Wood Melick	nr High Force
<i>Milium effusum</i>	Wood Millet	Bowlees and nr High Force
<i>Molinia cearulea</i>	Purple Moor-grass	River Tees upstream from Winch Bridge
<i>Nardus stricta</i>	Mat-grass	Cetry Bank and Cow Green Nature Trail
<i>Poa annua</i>	Annual Meadow-grass	Common
<i>Poa pratensis</i>	Smooth Meadow-grass	Bowlees
<i>Sesleria caerulea</i>	Blue Moor-grass	Cow Green Nature Trail

Birds (✓ = recorded but not counted; H = heard only)

	Common name	Scientific name	June			
			22	23	24	25
1	Black Grouse	<i>Lyrurus tetrix</i>			13	
2	Willow Ptarmigan	<i>Lagopus lagopus</i>		✓	✓	
3	Common Pheasant	<i>Phasianus colchicus</i>			✓	
4	Mallard	<i>Anas platyrhynchos</i>		✓		✓
5	Common Kestrel	<i>Falco tinnunculus</i>		✓		
6	Eurasian Oystercatcher	<i>Haematopus ostralegus</i>		✓	✓	
7	Northern Lapwing	<i>Vanellus vanellus</i>		✓	✓	✓
8	European Golden Plover	<i>Pluvialis apricaria</i>			✓	
9	Common Snipe	<i>Gallinago gallinago</i>		✓	✓	
10	Eurasian Curlew	<i>Numenius arquata</i>	✓	✓	✓	
11	Black-headed Gull	<i>Chroicocephalus ridibundus</i>		✓	✓	
12	Common Wood Pigeon	<i>Columba palumbus</i>	✓	✓	✓	✓
13	Short-eared Owl	<i>Asio flammeus</i>			✓	
14	Common Swift	<i>Apus apus</i>		✓	✓	✓
15	Western Jackdaw	<i>Coloeus monedula</i>	✓	✓	✓	
16	Carrion Crow	<i>Corvus corone</i>		✓		✓
17	Coal Tit	<i>Parus ater</i>				✓
18	Eurasian Blue Tit	<i>Cyanistes caeruleus</i>				✓
19	Eurasian Skylark	<i>Alauda arvensis</i>		✓		
20	Barn Swallow	<i>Hirundo rustica</i>	✓	✓	✓	✓
21	Common House Martin	<i>Delichon urbicum</i>	✓	✓	✓	
22	Wood Warbler	<i>Phylloscopus sibilatrix</i>		H		✓
23	Eurasian Blackcap	<i>Sylvia atricapilla</i>				✓
24	Goldcrest	<i>Regulus regulus</i>				✓
25	Eurasian Wren	<i>Troglodytes troglodytes</i>		✓		✓
26	Common Starling	<i>Sturnus vulgaris</i>		✓		
27	Ring Ouzel	<i>Turdus torquatus</i>		✓	✓	
28	Common Blackbird	<i>Turdus merula</i>	✓	✓	✓	✓
29	Mistle Thrush	<i>Turdus viscivorus</i>		✓		
30	European Robin	<i>Erithacus rubecula</i>				✓
31	House Sparrow	<i>Passer domesticus</i>			✓	
32	Duncock	<i>Prunella modularis</i>		✓		
33	Grey Wagtail	<i>Motacilla cinerea</i>	✓	✓	✓	
34	Pied Wagtail	<i>Motacilla alba yarrellii</i>	✓	✓	✓	
35	Meadow Pipit	<i>Anthus pratensis</i>		✓	✓	
36	Common Chaffinch	<i>Fringilla coelebs</i>	✓	✓		
37	European Greenfinch	<i>Chloris chloris</i>				✓
38	European Goldfinch	<i>Carduelis carduelis</i>		✓		

Reptiles & Amphibians

1	Common Lizard	<i>Zootoca vivipara</i>			✓	
2	Common Frog	<i>Rana temporaria</i>			✓	

Mammals

1	Rabbit	<i>Oryctolagus cuniculus</i>	✓		✓	✓
2	European Hare	<i>Lepus europaeus</i>	✓	✓		