



Dactylodenia x evansii (Fragrant Orchid x
Heath Spotted Orchid)



Flora of North- west Yorkshire

A botanical newsletter for VC65

Issue 12, Spring 2020

Welcome to this our 12th newsletter for v.c.65 which is intended to keep you up-to date with botanical activities in North-west Yorkshire. For geographical details of the vice county please visit our website at: <https://bsbi.org/north-west-yorkshire> and click on 'A brief tour of v.c.65'.

2019 was the last year of recording for the BSBI 2020 Atlas, I spent a good proportion of it inputting old records. The weather put paid to a few of our Field Meetings, one was on the day that Reeth and Grinton had serious flooding and the Police advised that nobody should head down into the Ure catchment. We cancelled another Field Meeting up Gunnerside due to the rain, this was to check out what we thought was an erroneous record which had been put into the BSBI Database, not by me this time thank goodness ! This record did turn out to be an error but it was a typo rather than a recorder error.

Recording in 2019

Many thanks to all the usual culprits who have helped me this year, you know who you are, your help is invaluable.

I also received some really good records via email from Geoffrey Hall, Tony Mundell, Dawn Nelson, Jane Morris, Sue Millard, Robyn Guppy, David Green, Melanie Earle, Lynne Farrell, Phil Taylor and Les and Sue Knight. Many thanks all of you.

Many thanks to Sarah Chilton who let us have a look on her land at Preston Scar, unfortunately we only found Early Forget-me-not) (*Myosotis ramossissima*), but we did find Adder's-tongue (*Ophioglossum vulgatum*) and lots of Silky Lady's-mantle (*Alchemilla glaucescens*).

Thanks must go to Chris Chapman from the south of the County, who kindly gave me permission to wander on her land in pursuit of old records. We did find Wood Burdock (*Arctium nemorosa*) and Bugloss (*Anchusa arvensis*), both uncommon in v.c.65.

We visited Mr Browne's meadows at West Park in Lunedale to try and trace an old NE record of Small White Orchid (*Pseudorchis albida*), unfortunately we didn't find it but the habitat looked very promising, we will be visiting again. Thanks to Mr Browne for letting us look through his beautiful meadows.

Upper Teesdale Special Flora and Conservation Trust

Dr, Margaret Bradshaw has studied the Vegetation and Special Flora in Upper Teesdale since the 1950's. Her long-term records show the changes in population size and distribution of this unique flora. Margaret now 94, set up the 'Upper Teesdale Special Flora and Conservation Trust' so that this vital work will continue. An initial project funded by Margaret from 2017 to 2019, shows a decline in the number of

rare plants and their distribution in selected areas studied that includes parts of v.c.65. The detailed and accurate figures collected paint a depressing picture. There are fewer plants in fewer areas. Something is wrong, badly wrong. The findings emphasise how vital on-going survey work is to discover what is happening to the very special flora in all parts of Upper Teesdale. Old and new records are needed to inform future land management and conservation effort to help the flora to survive



Margaret (above) leading a Field Meeting and examining an *Alchemilla*

To fund further survey work over the next five years the Trust needs to raise £100,000 and is looking for donations. If you feel you could help with a one off donation or even better a regular, monthly or annual donation please email teesdaleflora@gmail.com or take a look at their blog at <https://teesdaleflora.home.blog> or take a look at their Facebook page 'Friends of Teesdale Flora' where you can contribute.

We had five Field Meetings last year which have contributed to to this Project. We have also made our records for the south side of the Tees catchment available to John O'Reilly who has been employed to do the detailed survey work for the Trust.

Botanical Correspondence in 2019

I received an email from Andrew Jones on 13th April telling me that he and Fred Rumsey had been looking through herbaria in search of *Myosotis stricta*, a European species which may or may not be present in Britain. It is very easily confused with *Myosotis ramosissima*. In the British Museum they found two specimens (details below) that matched *M. stricta* proving that the species is probably native but has been overlooked in Britain. Andrew says apart from the microscopic hooked hairs the species is probably most easily recognised in the field by its very upright, unbranched habit (*stricta* = upright; *ramosissima* = very branched) and erect flower stalks, shorter than the calyx, with bracteate flowers almost to the base of the stem (*ramosissima* has longer pedicels and peduncles, at least proximally, almost patent to the stem) - although I should add that these descriptions are based on continental authors and herbarium specimens.

"*M. collina* Hoffm.", walls in West Burton, Wensleydale, N. Yorks. vc 65, May 1902, T. Foggitt. det. *M. micrantha* (Pall.), G. Verberne (8/1956), BM.

"*M. versicolor* Sm.", Sandscale, Furness [vc 69] 6.V.[19]14, W.H. Pearsall ex Herb. W.C. Barton det. *M. stricta*, A.E. Wade (15/3/1939), BM.

The record from Sandscale was refound by Pete Burton but unfortunately after visiting most of the sites for *M. ramosissima* in v.c.65 we failed to find any likely looking *M. stricta* specimens.

Recording

We record in monads (1x1km squares) but if we stray over the 1 km border into another monad in the same tetrad (2x2 km squares on the even numbered grid) we just record the extras. If however you cross the tetrad border into another tetrad you must make another complete list. That way if we ever decide to record at monad level for a finer resolution, the records are already in the correct format. The 2020 Atlas unlike previous versions, will be in Tetrads not Hectads (10x10 km squares) If you do send in records, a list on excel or word will suffice, it needn't be in alphabetical order, even handwritten lists sent by post are fine. If you need recording cards just let me know, I can supply hard copies or email templates for you to print

your own. Please remember to put in Recorders names, the date you recorded, GR of monad ie. NY81.11 or for notable plants perhaps an eight or ten figure GR. If you record Orchids could you send a picture too, this helps reduce erroneous records. We can supply lists of species for each hectad and lists of old records to re-find. We have produced an excel spreadsheet with all the tetrads and number of species recorded in each, if you would like a copy please ask me, it helps to highlight under-recorded tetrads.

Notable Finds in 2019

Alchemilla conjuncta (Silver Lady's Mantle) This garden escape was found near the packhorse bridge near the falls at West Burton by LR and Jim Parkin on the 8th May (SE01.86)

Alchemilla glaucescens (Silky Lady's Mantle). This was found along the Scar and in a field below by LR and Sarah Chilton, the landowner on the 10th April (SE06.91)

Alopecurus myosuroides (Black Grass). This agricultural pest of a grass was found on an open access area near Crag Bridge near Bowes by LR on 7th September (NY99.15)

Anacamptis morio (Green-winged Orchid). One plant was found in Swinithwaite Pasture on the 27th May by LR and Yan-Yee Lau, this was the second recent record from this site since the 1980's (SE04.90)

Anchusa arvensis (Bugloss). Found in two adjacent sites near Blois Hall and Pilmore Carr, both on the edge of arable fields, on 10th August by LR (SE34.72 and SE33.72).

Arctium nemorosum (Wood Burdock). This was found in adjacent monads at Blois Hall and Hutton Conyers by LR on 10th August (SE34.72 and SE33.72)

Atropa belladonna (Deadly Nightshade). This was found at Snape Castle on the 1st June by Geoffrey Hall (SE26.84)

Betula utilis var jacquemontii (Jacquemont's Birch). This was found planted and well established in Bedale by Geoffrey Hall on the 6th June (SE26.88)

Borago officinalis (Borage). One plant was spotted on the verge at Crag Bridge, near Bowes by LR on the 7th September (NY99.15)

Carex divulsa subsp. leersii (Many-leaved Sedge). Deborah Millward's last century record was recorded and updated by LR and Jim Parkin just over the packhorse bridge at West Burton near the falls on the 8th May (SE18.86)

Catabrosa aquatica (Whorl-grass). This was spotted in a flush on Mickle Fell by LR, Trevor Lewis and Jim Parkin on the 13th July bringing a 1980's record up to date (NY80.25)

Coeloglossum viride (Frog Orchid). Seven flowering spikes found in the Long Flats field at Low Wanless during a Natural England survey on 4th June by LR, Deborah Millward, Trevor Lewis, and Chris Weaver (SE06.88)

Conyza Canadensis (Canadian Fleabane). Found on the edge of the car park at Leeming Services on 23rd September by LR and Sue Morris (SE28.99)

Crepis mollis (Northern Hawk's-beard). This was seen by Tony Mundell on a visit to Teesdale on 1st July, welcome confirmation of an old record (NY90.27)

Cyclamen hederifolium (white form) (Cyclamen). This was found by Frank Morgan naturalised in woodland at the extension of the Nosterfield Nature Reserve on the 14th October (SE27.80)

Dryopteris affinis subsp. paleaceolobata (Scaly Male-fern). This under-recorded species was found on 19th February by Trevor Lewis near Richmond Old Station (NZ17.00)

Dryopteris affinis subsp. paleaceolobata (Scaly Male-fern). This was found again on Cronkley Scar by Bruce Brown, Trevor Lewis and LR on 20th July (NY83.29)

Dryopteris expansa. A few plants of this species were found by Trevor Lewis, Jim Parkin and LR growing in block scree on Mickle Fell on 13th July (NY80.24)

Epilobium anagallidifolium (Alpine Willowherb). This was found in a flush on Mickle Fell on 13th July by LR, Trevor Lewis and Jim Parkin (NY80.24)

Eranthis hyemalis (Winter Aconite) A good patch of this species was found on the verge near Fairfield Mill, Sedbergh on the 18th February by Dee Holladay (SD67.91)

Erigeron karvinskianus (Mexican Fleabane) this garden escape was seen as a pavement weed in Gayle during the

New Year Plant Hunt on 4th January 2020 by LR, Trevor Lewis, Bradman Walker and James Walker (SD87.89)

Euphrasia ostenfeldii (An Eyebright). This rare eyebright was a first record for v.c.65, found by Brian Burrow and David Tennant on Mickle Fell on the 13th July. This was the second record of this species on the Northern Pennines, it had been found on the previous day on Little Fell in Cumbria about 3km south west of Mickle Fell by John O'Reilly (NY81.24)

Festuca rubra subsp. *arctica* (Red Fescue, arctic type). This probably overlooked subspecies of Red Fescue was spotted by Lizzie Maddison, Alison Donald, Richard Friend and Steve Gater on Mickle Fell on the 13th July Only the second record for v.c.65 (NY82.24)

Fragaria ananassa (Garden Strawberry). This escape was spotted at Jervaulx Abbey by Fal Sarker on the 15th June (SE16.85)

Geranium x *magnificum* (Purple Cranes-bill). This garden escape was well established on the verge over from Barney Beck near Healaugh. It was spotted on 27th April by LR, Deborah Millward, Yan-Yee Lau and Jim Parkin (SE00.98)

Guizotia abyssinica (Niger). This bird-seed alien was found on a roadside kerb in Richmond on the 29th September by David Green (NZ16.00)

Hieracium triviale (Grey-headed Hawkweed). This was found by Fal Sarker at Jervaulx Abbey on the 15th June (SE16.85)

Lepidium didymum (Lesser Swine-cress). Found in Emgate, Bedale by Geoffrey Hall on the 6th June (SE26.88)

Malva neglecta (Dwarf Mallow). This was found on The Wynd, Bedale, by Geoffrey Hall on the 6th June (SE26.88)

Minuartia hybrida (Fine-leaved Sandwort). This was found on the walls of Jervaulx Abbey by Fal Sarker on the 15th June (SE16.85)

Neotinea ustulata (Burnt Orchid). Assisting with a survey on 4th June by Natural England, LR, Deborah Millward, Jim Parkin, Trevor Lewis, Michael Foley and Chris Weaver found 76 spikes in the fields on Low Wanless Farm. Over

300 were seen in the same fields in the 1980's by Michael Foley and Mike Porter.(SE06.89 and SE06.88)



A group of seven Burnt Orchids at Low Wanless

Ophrys apifera (Bee Orchid). This was seen flowering by Sue Millard in Leyburn Glebe on the 12th June, good to know it is still there. (SE10.89)

Oxalis corniculata var *atropurpurea* (Procumbent Yellow-sorrel). This bronze leaved variety was found established in St. Gregory's Churchyard in Bedale by Geoffrey Hall on 6th June (SE26.88)

Papaver orientale (Oriental Poppy). This was a first record for v.c.65, it was found by LR and Sarah Chilton in a lay-by just downhill of Preston Scar Quarry entrance on the 10th May (SE06.91)

Polypogon viridis (Water Bent). A first record for v.c.65. Found in Richmond on a cobbled verge by David Green on 29th September (NZ16.00)

Polystichum x *bicknellii* (*P. aculeatum* x *P. setiferum*). Found along the Tees Bank to Rokeby Park footpath by Trevor Lewis on the 20th March (NZ07.14)

Prunus domestica subsp. *insititia* (Damson/Bullace). Found in a hedgerow from Leeming to Gatenby on the 10th September by LR (SE31.88)

Prunus domestica subsp. *insititia* (Damson/Bullace). Found in an abandoned orchard/pasture by LR and Deborah Millward near Howgill Head, Lunedale, on the 28th August (SD62.97)

Prunus domestica subsp. *italica* (Greengage). Found alongside the above Damson record near Howgill Head, Lunedale, by LR and Deborah Millward on 28th August (SD62.97)

Sagina filicaulis (Upright Pearlwort). Found in Bedale on 6th June by Geoffrey Hall (SE26.88)

Scilla sibirica (Siberian Squill). Found above the road bridge over the Ure at Masham by LR and Deborah Millward on the 30th March (SE22.81)

Solanum tuberosum (Potato). Found along verges and tracks at Gatenby by LR on the 6th June (SE32.87)

Solidago virgaurea subsp. *minuta* (Dwarf Goldenrod). Found at High Force by Chris Meek, Caroline Stott and Ann Luxmoore on the 10th August, confirmation of a 1980's record (NY88.28)

Syringa vulgaris (Lilac). Found in a hedgerow just outside Burneston on the 10th September by LR (SE31.85)

Trifolium fragiferum (Strawberry Clover). Spotted and identified by Helen Proctor and LR on a dry bank near Scorton on the 31st May, this is a first record for v.c.65 (SE24.99)

Note from 2018



Above - the suspected *Callitriche obtusangula* (Blunt-fruited Water-starwort) the paler green star-shaped plants found in 2018 in Crakehall mill race was confirmed by Claudia Ferguson-Smythe and Nick Stewart last year.

Recording plans for the future

All the records for Atlas 2020 are in the BSBI Database in readiness for publication. This doesn't mean the end of recording in v.c.65, whilst we now have quite a good coverage of tetrads throughout the v.c. there is still a lot of work to be done. Old records that have come out of the files are still to try and find and pre 2000 records need to be updated. The Check List is underway and huge strides will be made with it this year now the pressure from the Atlas is off. The Rare Plants Register too is getting compiled as we now have quite a good coverage of the County. Currently this includes the 126 native and archaeophyte taxa listed below:-

Actea spicata - Baneberry
Alchemilla acutiloba – Starry Lady's Mantle
Alchemilla glaucescens – Silky Lady's Mantle
Alchemilla glomerulans – Clustered Lady's Mantle
Alchemilla minima – Least Lady's Mantle
Alchemilla subcrenata – Large-toothed Lady's Mantle
Alchemilla wichurae – Rock Lady's Mantle
Allium oleraceum – Field Garlic
Alopecurus magellanicus – Alpine Foxtail
Anacamptis morio – Green-winged Orchid
Anthemis arvensis – Corn Chamomile
Asplenium trichomanes subsp. *pachyrachis* – Maidenhair Spleenwort
Bartsia alpina – Alpine Bartsia
Blysmus compressus – Flat Sedge
Bromopsis benekenii – Lesser Hairy-brome
Cardamine impatiens – Narrow-leaved Bitter-cress
Carex capillaris – Hair Sedge
Carex digitata – Fingered Sedge
Carex ericetorum – Rare Spring-sedge
Carex muricata subsp. *muricata* – Large-fruited Prickly-Sedge
Carex vaginata – Sheathed Sedge
Chenopodium bonus-henricus – Good King Henry
Circaea alpina – Alpine Enchanter's-nightshade
Clinopodium calamintha – Lesser Calamint
Cochlearia micacea – Mountain Scurvygrass
Cochlearia pyrenaica – Pyrenean Scurvygrass
Coeloglossum viride – Frog Orchid
Crepis mollis – Northern Hawk's-beard
Cynoglossum officinale – Hound's Tongue
Cypripedium calceolus – Lady's Slipper Orchid
Dactylorhiza traunsteinerioides – Pugsley's Orchid
Daphne mezereum - Mezereon
Draba muralis – Wall Whitlow Grass
Dryas octopetala – Mountain Avens
Dryopteris submontana – Rigid Buckler Fern
Epipactis atrorubens – Dark-red Helleborine

Epipactis phyllanthes – Green-flowered Helleborine
Equisetum pratense – Shady Horsetail
Equisetum variegatum – Variegated Horsetail
Eriophorum gracile – Slender Cottongrass
Erophila majuscula – Hairy Whitlowgrass
Euphorbia exigua – Dwarf Spurge
Euphrasia officinalis subsp. *monticola* – Montane
 Eyebright
Euphrasia officinalis subsp. *pratensis* – Rostkov’s
 Eyebright
Filago vulgaris – Common cudweed
Fumaria purpurea – Purple Ramping-fumitory
Galeopsis angustifolia – Red Hemp-nettle
Galeopsis speciosa – Large-flowered Hemp-nettle
Genista anglica – Petty Whin
Gentiana verna – Spring Gentian
Gentianella campestris – Field Gentian
Glebionis segetum – Corn Marigold
Gnaphalium sylvaticum – Heath Cudweed
Groenlandia densa – Opposite-leaved Pondweed
Gymnocarpium robertianum – Limestone Fern
Helianthemum oelandicum subsp. *levigatum* – Subspecies
 of Hoary Rockrose
Hordelymus europaeus – Wood Barley
Hornungia petraea - Hutchinsia
Hymenophyllum wilsonii – Wilson’s Filmy-fern
Hyoscyamus niger - Henbane
Hypericum montanum – Pale St. John’s-wort
Imperatoria ostruthium - Masterwort
Juncus alpinoarticulatus – Alpine Rush
Juncus compressus – Round-fruited Rush
Kobresia simpliciuscula – False Sedge
Limosella aquatica - Mudwort
Linum perenne – Perennial Flax
Luronium natans – Floating Water-plantain
Lysimachia thyrsoiflora – Tufted Loosestrife
Melampyrum sylvaticum – Small Cow-wheat
Meum athamanticum - Spiguel
Minuartia hybrida – Fine-leaved Sandwort
Minuartia verna – Spring Sandwort
Myosotis alpestris – Alpine Forget-me-not
Myosotis stolonifera – Pale Forget-me-not
Myosurus minimus - Mousetail
Myriophyllum verticillatum – Whorled Water-milfoil
Neotinea ustulata – Burnt Orchid
Noccea caerulea – Alpine Penny-cress
Oenanthe fistulosa – Tubular Water-dropwort
Ophrys insectifera – Fly Orchid
Orobanche alba – Thyme Broomrape
Orobanche rapum-genistae – Greater Broomrape
Orobanche reticulata – Thistle Broomrape
Papaver argemone – Prickly Poppy
Persicaria minor – Small Water-pepper

Pilularia globulifera - Pillwort
Polemonium caeruleum – Jacob’s-Ladder
Polygala amarella – Dwarf Milkwort
Polystichum lonchitis – Holly Fern
Potamogeton coloratus – Fen Pondweed
Potamogeton friesii – Flat-stalked Pondweed
Potentilla crantzii – Alpine Cinquefoil
Potentilla fruticosa – Shrubby Cinquefoil
Potentilla tabernaemontani – Spring Cinquefoil
Primula farinosa – Bird’s-eye Primrose
Pseudorchis albida – Small-white Orchid
Ranunculus arvensis – Corn Buttercup
Ribes alpinum – Mountain Currant
Ribes spicatum – Downy Currant
Rosa agrestis – Small-leaved Sweet-briar
Rumex pseudoalpinus – Monk’s Rhubarb
Saxifraga hirculus – Marsh Saxifrage
Saxifraga hypnoides – Mossy Saxifrage
Scandix pecten-veneris – Shepherd’s-needle
Scheuchzeria palustris – Rannoch Rush
Sedum villosum – Hairy Stonecrop
Sesleria caerulea – Blue Moor-grass
Silene gallica – Small-flowered Catchfly
Silene noctiflora – Night-flowering Catchfly
Sium latifolium – Greater Water-parsnip
Sorbus rupicola – Rock Whitebeam
Spergula arvensis – Corn Spurrey
Spiranthes spiralis – Autumn Lady’s-tresses
Stachys arvensis – Field Woundwort
Stellaria palustris – Marsh Stitchwort
Teesdalia nudicaulis – Shepherd’s Cress
Teucrium scordium – Water Germander
Tilia platyphyllos – Large-leaved Lime
Turritis glabra – Tower Mustard
Utricularia australis - Bladderwort
Valerianella dentata – Narrow-fruited Cornsalad
Vicia orobus – Wood Bitter-vetch
Viola tricolor – Wild Pansy
Woodsia ilvensis – Oblong Woodsia

Some of these species are long extinct (e.g. *Cypripedium calceolus*, *Eriophorum gracile*, *Scheuchzeria palustris*, *Woodsia ilvensis*), a couple of these have been reintroduced recently and some like *Vicia orobus* only present at one site near Sedbergh have been seen post 2000 but now appear to be extinct. Others are relatively common in VC65 (e.g. *Minuartia verna*, *Primula farinosa*, *Sesleria caerulea*).

Facebook

We now have a Facebook Site if you are on Facebook look up **North West Yorkshire Botany**, you are welcome to

become a member of the group, whilst it is not directly associated with the BSBI it was set up with a view to getting a 'not too serious' look at our work out there, and hopefully getting some records back, this has worked well and we have had more records coming in to date. We have also gained a few new members.

Field Meetings 2020

All Field Meetings start at 10.30am. unless stated otherwise. If you intend to come along to meetings please try and let Linda Robinson know, contact details at end of Newsletter.

Wednesday 19th February – Snowdrop hunt in SE38 and round about. Meet on the road to Burneston from Leeming Lane (A6055) at SE314.851.

Tuesday 25th February – Cover Bridge to check out Greater Snowdrop (*Galanthus elwesii*) and hunt for old record of Bird-in-a-Bush) *Corydalis solida*, may see early Yellow-Star of Bethlehem (*Gagea lutea*). Meet in car park opposite the Pub at SE144.871.

Saturday 14th March – Kirkby Fleetham and Patrick Brompton to try and trace old Green Hellebore (*Helleborus viridis*) records and any other early spring records. Meet in Kirkby Fleetham near the 'green' at SE286.944.

Wednesday 25th March – Jervaulx Abbey and Easby Abbey to check the Early Forget-me-not (*Myosotis ramossisima*) recorded at both in the past. Meet at Jervaulx opposite the entrance in the car park at SE168.856.

Sunday 19th April – Coverham Abbey and Pinkers Pond, to see if we can trace Heath Dog-violet (*Viola canina*) and other spring species. Meet on the verge beside Pinkers Pond at SE114.868.

Wednesday 22nd April – Garsdale to check out an old record of Bird's-eye Primrose (*Primula farinosa*). Meet near Hind Keld West, possible parking on the unfenced verge at SD711.913.

Saturday 16th May – Check out old records of Alpine Cinquefoil (*Potentilla crantzii*) and Alpine Bistort (*Persicaria vivipara*) on Green Scar Crags above Widdale. Meet at Newby Head Gate at SD790.834.

Tuesday 19th May – Look for old record of Spring Gentian (*Gentiana verna*) from the bank opposite Grains o'the Beck Farm between Brough and Middleton. Park above cattle grid west of and above Far Beck Bridge at NY863.206.

Friday 29th May – Aislabeck Quarries above Richmond to try and trace a few old records. Park near Gingerfield Lodge at NZ157.020.

Saturday 6th June – Burnt Orchid (*Neotinea ustulata*) monitoring in Low Wanless fields. Meet down near Low Wanless Farm at SE063.896.

Wednesday 17th June - Gunnerside, a visit to check and update a record of Bird's Nest Orchid (*Neottia nidus-avis*) and check on Small White Orchid (*Pseudorchis albida*) site. Meet in Gunnerside village and park where you can near SD950.981

Friday 19th June – Hudswell Bank to check out old record of Small White Orchid. Meet in Hudswell near road junction at NZ156.002.

Wednesday 24th June – Meeting in conjunction with the YNU. Visit to the Fotheringholme SSSI, also expect to help with the Small White Orchid monitoring. Meet at Eskeleth Bridge where there is limited parking at SD999.036.

Sunday 28th June - Trip up to Stag's Fell, above Hardraw, to check out an old 1990's record of Holly Fern (*Polystichum lonchitis*). Meet near cattle grid at Hungry Well car park and view point at SD866.929

Saturday 11th July – – Trip to Tanfield to check out some old records of Flat Sedge (*Blysmus compressus*) and Deadly Nightshade (*Atropa bella-donna*). Meet in Tanfield centre, not sure about parking around SE269.788

Sunday 19th July – Hurst, to investigate the old mine workings up towards Fremington Edge. Meet in Hurst on the roadside up near Hall Farm. (NZ043.023)

Friday 31st July – Jervaulx to walk down to the shingle banks on the Ure to see if we can spot an old record of Red Hemp-nettle (*Galeopsis angustifolia*). Meet at Jervaulx opposite the entrance in the car park at SE168.856.

Wednesday 5th August – Bedale Beck to check out old record of Arrowhead (*Sagittaria sagittifolia*). Not sure about parking but if we could meet up at the start of the footpath down the beck below the Station at SE267.883.

Saturday 22nd August - Meeting to check out and old record of Bog Arum (*Calla palustris*) in a pond near Hallbank, Garsdale and update other records. Meet near the byway open to all traffic near Benson Bank Farm, not sure of parking round there so please be careful. Around SD671.911.

Tuesday 25th August – Downholme Bridge towards Marrick Park. Meet on the roadside at the start of the bridleway at Sour Nook near Downholme Bridge at SE109.992.

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