The Flora of Staffordshire, 2011.

Update No. 1 (February, 2012).

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Map of the boundary of VC 39, showing where it does not coincide with administrative Staffordshire and the area covered by this Flora. Please see the separate file on this website

Map of the approximate number of taxa recorded per tetrad post-1994. Please see the separate file on this website
Corrigenda and Addenda.

Page 1. That area which is in the administrative county, but not in VC 39, is not shown on the map. The most significant example of this is the Borough of Tamworth, which is in VC 38. A corrected version appears as a separate file on this website.

Page 1, 2nd column, paragraph 10. There was additional financial support as a donation from the remaining funds of the North Staffordshire Field Club, following its winding up.

Page 4. 2nd column, line 6. “that” should be “than”.

Page 4. 2nd column, 8 lines from bottom. “hybird” should be “hybrid”.

Page 62. 2nd column, line 5 of final paragraph. “parley” should be “parsley”.

Page 68. Column 1, paragraph 2, line 15. A second closing brackets is required after “segetum”.

Page 95. Column 2, paragraph 3, line 7. “account of county’s flora” should read “account of the county’s flora”.

Page 101. “Chairman of the Field Club & responsibility of the botanical records of the Field Club” should read “Chairman of the Botanical Section of the Field Club and responsibility for their botanical records”.

Page 104. A map showing the approximate numbers of taxa recorded per tetrad (post-1994) went astray at the publication stage. It has been recovered and appears as a separate file on this website.

Page 105. Column 2, line 1. Edees Flora contains a very small number of records that were made as late as 1971 and these are included in the figures quoted for that publication.

Page 136 Fumaria bastardii. The species account should read:

Fumaria bastardii Boreau Tall Ramping Fumitory
1 2005 Casual
Found and identified by P.D. Stanley in a front garden, Baswich Crescent, Stafford, SJ9422, with three more plants at the base of a wall, Baswich Lane, in the same monad, four years later.
A specimen, at STO, collected by K. Goodway, from imported soil on waste ground outside the Biology Department Buildings, Keele University, SJ8045, in 1965, was originally thought to be this species. It has recently been re-determined, by IJH, as F. officinalis.

Page 152 Cerastium arvense: site should be “Lichfield Cathedral Close” not “Cathedral Chase” as given.

Page 155 Silene nutans: status should be 6 (5) not “6 (3)”.

Page 158 Persicaria minor: should be "the shoreline of Knypersley Reservoir..." not "the shoreline of Knypersley Reservoir...".

Page 180 Cardamine bulbifera: status should be 4 (2), not “5 (2)”.

Page 199 Saxifraga x urbium: status is 37 (2) rather than as “37 (1)”.

Page 215 Rubus caesius: grid reference for Shatterford is SO7980 not “SO7080.

Page 216 Potentilla recta: status is 19 (2) rather than “19 (1)”.

Page 216 Potentilla neumanniana: status should be 9 (5) not “9 (6)”.

Page 238 Oenonis spinosa: status should be 3 (2) not “3 (1)”.

Page 247 Epilobium x dacicum: status of this hybrid should have been given as 1 (1) rather than just as “1”.

Page 265 Impatiens parviflora: status is 8 (2) rather than “8 (1)”.

Page 270 Bupleurum rotundifolium: status is 1 (0) rather than just “1”.

Page 271 Sismon amonum: status is 4 (4) not “4 (3)”.

Page 278 Nymphaoides peltata: status is 57 (2) rather than “57 (1)”.

Page 280 Lithospermum arvense: “The Lithospermum appeared...” should be "The Lithospermum appeared...".

Page 286 Galeopsis angustifolia: “ M.H.Bigwood” should be “M.H. Bigwood”. 
Page 292 *Callitriche obtusangula*: status is 17 (2) rather than “17 (3)”.
Page 293 *Littorella uniflora*: status is 13 (2) rather than “13 (1)”.
Page 295 *Verbascum blattaria*: status is 4 (1) rather than “4 (2)” as given.
Page 297 *Mimulus moschatus*: text should read "Cuckoostones" not "Cuckoost ones"; also "from the previous site" rather than "from the porevious site".
Page 304 *Orobanche rapum-genistae*: status should be 2 (0) not “1 (0)”; also "1851 list..." rather than "1951 list...".
Page 304 *Littorella uniflora*: status is 13 (2) rather than “13 (1)”.
Page 304 *Verbascum blattaria*: status is 4 (1) rather than “4 (2)” as given.
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Page 304 *Orobanche rapum-genistae*: status should be 2 (0) not “1 (0)”; also "1851 list..." rather than "1951 list...".
Page 304 *Pinguicula vulgaris*: status should be 1 (3) not “1(3)”.
Page 343 *Petasites albus*: status should have been given as 6 (4) and not as “6 (3)”.
Page 304 *Helianthus petiolaris*: status should be 3 not “3 (3)”.
Page 305 *Potamogeton filiformis*: first record was in 1892 not “1893”.
Page 304 *Juncus subnodulosus*: status is 8 (2) rather than “8 (1)”.
Page 305 *Carex divulsa*: status is 7 (5) rather than “7 (2)”.
Page 376 *Bromus hordeaceus ssp. divaricatus*: status should be (*1) not “(1)”.
Page 365 *Festuca altissima*: status should be 3 (1) and not “3(1)” as given.
Page 379 *Hordelymus europaeus*: status is 2 (3) and not “2 (1)”.
Page 385 *Tulipa sylvestris*: text should read "during the 20th Century..." and not as given "during the20th Century...".
Page 396 *Coeloglossum viride*: status is 6 (7) not “5 (7)”.
Page 399 *Ophrys apifera*: "Var trollii" should read "Var. trollii".
Page 412 “*Pinguicula vulgaris 305*” should be in bold type.

**Additions and modifications relating to pre-1995 data.**

Ian Hopkins has been further researching pre-1930 records and consequently adds the following information.

The Edees paper *Staffordshire Additions to the Comital Flora* appeared in the *Report of the Botanical Exchange Club* for 1941-42. It seems very strange that Edees did not see fit to reference it in the index for his *Flora*!

Going through that particular Edees paper, and the old documents and material referenced in that work of which I have copies, I find the following that would seem perhaps to require correction or comment with reference to the new *The Flora of Staffordshire*:

Page 124 *Aristolochia clematitis* L. Birthwort
The family *Aristolochiaceae* is not included in the new *Flora*. However, Garner (1878) mentions *Aristolochia clematitis* as growing in an old garden at Wolstanton (presumably as a relic) and this entry should now be added.

Page 125 *Nuphar spp.*
In his 1878 paper entitled *The Staffordshire Flora*, Garner also mentions a claim of "Nymphaea rubra, warm engine pit at Newcastle". He also refers to “Nuphar kalmiana” being present in a pool at Madeley. Presumably the latter taxon was introduced (along with *Stratiotes aloides*) by T.W. Daltry and persisted for a few years. What he actually meant by "Nuphar kalmiana" in the absence of herbarium material must remain a mystery: it could have been *Nuphar pumila*, *Nuphar x spenneriana*, or the alien *Nuphar advena*, Spatterdock.

Page 183 *Camelina sativa*
An earlier record for this certainly exists: Dickenson in Shaw (1798), as *Moenchia sativa*. "Blymhill, amongst flax".
Rubus saxatilis
An earlier first record than 1871 is known, if what Garner (1844) wrote about it is accepted: "Flowers greenish. Abundant on broken limestone in the valleys of the Hamps and Manyfold. Fruit red". Given the extreme likelihood of there being many more open rocky places and very different grazing or scrub/woodland management regimes than now (backed up by what Garner wrote about his visit to this area c.1832 with two companions as later described in his later *Holiday Excursions of a Naturalist* (1867)), I find it very difficult to reject this claim. I'm surprised Edees passed over it for his *Flora* when, for example, he was happy to include Garner's claim for *Antennaria dioica* from the Wetton Valley. Similarly, he also failed to include Garner's claim for *Melica nutans*.

Sanguisorba minor ssp. muricata
There must be considerable doubt that Pitt actually saw this taxon in the wild in 1794.

Prunus cerasus
Garner (1844) certainly cannot be relied on here despite his use of the specific name. He makes no mention of *P. avium* at all!

Buxus sempervirens
Brown in Mosley (1863) might be an earlier reference: "It grows freely in plantations, but it is not indigenous to the district". However, Brown's "area" extended well into Derbyshire, and the only record quoted is for Gopsall (Derbyshire) on the authority of Andrew Bloxam.

Staphylea pinnata
Brown in Moseley (1863) would be an earlier reference (but see the preceding comment): "May sometimes be found self-established in hedge-rows".

Astrantia major

Caucalis platycarpos

Senecio viscosus
There is an earlier record, but only if one believes Garner (1844): "Flowers yellow. Common. Stoke". Bagnall (1901) stated that he had never seen it in Staffordshire, but he admittedly spent rather little of his time in the north of the county, whilst Ridge subsequently remarked that "common" seemed hardly the case in his day, and only gave a couple of records in his *The Flora of North Staffordshire* (1922-29). In his *Flora*, Edees indicates his belief that Garner was mistaken, yet as a centre of a railway network with coal workings in the area, Stoke is a place where this species might perhaps have been expected to turn up quite early on. It remains a puzzle!

Potamogeton filiformis
As noted in the text, this is a likely mistake (and was considered so by Edees), but the supposed finders were J.R.B. Masefield and S. Bostock, and the report appeared in TNSFC for 1891-92.

Juncus compressus
Claimed by Garner (1844) as "common", but he was no doubt mistaken. His only localised record was for "Var Bothnicus" at Kingston Pool, which would certainly have been *J. gerardii* as confirmed by later workers.
Page 389 *Leucojum vernum*

A record for "Dovedale, North Staffordshire Naturalists Field Club, but I fear there is some error " was quoted by Garner (1878), but this was included by Edees only in an "Appendix of Supposed Errors" in *Staffordshire Additions to the Comital Flora*. It would seem to be a very doubtful claim.

Page 397 *Dactylorhiza incarnata*

Edees *Flora* only mentions the 1954 record for this species from Loynton Moss. The Stanton site for *ssp. pulchella* found by G.J.V. Bemrose in 1932, and from where plants were seen and collected by Edees himself in 1938 is not mentioned in his *Flora* although the records were given in TNSFC, and mentioned in Edees’ 1967 Presidential address to the Field Club entitled The Wild Orchids of Staffordshire. The status “1 (2)” instead of 1 (1) in the new *Flora* thus reflects Edees’ acceptance of the Stanton records, rather than the actual information given in his *Flora*.

**A list of further records of less common taxa up until the end of 2011.**

During the latter days of preparing the *Flora* it was possible to add records of the rarer taxa (recorded in fewer than about 40 tetrads) made in the first half of 2011. The following treatment adds all additional records of taxa, previously recorded for fewer than 150 tetrads, accumulated up until the end of 2011.

Page 115 *Polystichum setiferum* SJ85H, SJ9234
Page 125 *Helleborus foetidus* SJ8649
Page 128 *Ranunculus auricomus* SJ8939, SJ9026, SJ9234, SK1545
Page 128 *Ranunculus lingua* SJ8652, SJ8855
Page 130 *Ranunculus aquatilis* SJ7951, SJ85G
Page 133 *Berberis darwinii* SJ9152
Page 133 *Papaver pseudorientale* SJ8553
Page 139 *Cannabis sativa* SJ75W
Page 140 *Parietaria judaica* SK0539
Page 140 *Soleirolia soleirolii* SJ8959
Page 145 *Chenopodium bonus-henricus* SJ8644
Page 146 *Chenopodium ficifolium* SJ8644
Page 151 *Stellaria neglecta* SK1039, SK1545
Page 154 *Spergularia marina* SJ8657
Page 154 *Spergularia rubra* SO8297
Page 154 *Agrostemma githago* SJ8852
Page 156 *Saponaria officinalis* SJ8550, SJ8858
Page 158 *Persicaria capitata* SJ8654
Page 158 *Fagopyrum esculentum* SJ8654, SO8792
Page 160 *Rumex alpinus* SK0053
Page 161 *Rumex crispatus* Still present at its Castletown site, SJ9123, in 2011
Page 162 *Rumex maritimus* SJ8550, SJ9026
Page 163 *Hypericum androsaemum* SJ8836
Page 164 *Hypericum hirsutum* SJ9234
Page 165 *Tilia platyphyllos* SJ8353
Page 165 *Tilia tomentosa* A mature tree, Shugborough Estate, SJ9921,
Tilia 'Petiolaris'  About 30 trees planted around the edge of
The Green, Coalpit Hill, Talke Pits, SJ8253, SRH, 2010

Malva parviflora  Five, as weeds in a flower bed, High Street, Burton,
SK2422, MES, 2011

Malva pusilla  About ten plants in a rose bed, Burton Day Centre,
Byrkley Street/Waterloo Street, SK2423, MES, 2011. Known there
since c. 2008, but previously weeded out before flowering.

Malva neglecta  SJ8254

Viola odorata  SO8383

Salix aurita  SK1161

Sisymbrium altissimum  SK2524

Erysimum cheiranthoides  SJ8352

Aubrieta deltoidea  SJ9054

Rapistrum rugosum  SJ8352

Gaultheria mucronata  Birchenwood Park, Goldenhill, SJ8454, SRH,
2010

Vaccinium myrtillus x vitis-idaea (V. x intermedium)  SK0407

Monotropa hypopitys  Under mature Salix caprea, on the bank of
a pool, SJ8249; also many more to the south, at the site of the
previous iron works, Apedale, SJ8248, where it was recorded in the
mid-1980s: both IJH, 2011

Cyclamen hederifolium  SJ8651

Cyclamen coum  In the woodland strip along the bottom of
Birchenwood Road, Packmoor, SJ8653, SRH, 2011

Philadelphus x virginalis (P. coronarius x microphyllus x pubescens)
SJ8756

Ribes nigrum  SJ8048, SJ8254, SJ9053, SK03P

Ribes sanguineum  SJ8045, SJ8051, SJ8556

Crassula helmsii  SJ83Y

Sedum telephium  Still present at its Betley site, SJ7448, JEH, 2011

Saxifraga tridactylites  SK2324

Tellima grandiflora  SJ8045

Spiraea x arguta  A probable garden throw-out, by a level crossing,
west of Abbey Hulton, SJ9045, SRH, 2011

Rubus chamaemorus  Still present at its only Staffordshire site,
SK0267, IJH, 2011

Potentilla fruticosa  SJ8648, SJ8254

Alchemilla xanthochlora  SJ9362

Rosa multiflora  SJ8354

Rosa pimpinellifolia  SJ8354

Sorbus corceocarpa  Amenity plantings in SJ84T, U, Y & Z;

Sorbus latifolia  Amenity plantings in SJ84T, W, X, Y & Z; SJ85G

Sorbus torminalis  SJ8746, SJ8942, SJ9042

Cotoneaster frigidus x salicifolius (C. x watereri)  SJ9856

Cotoneaster dammeri  SJ8254

Cotoneaster horizontalis s.s.  SJ95B

Cotoneaster hjelmqvistii  SJ85G

Cotoneaster rehderi  SJ7548, SJ8757, SJ8859

Cotoneaster sternianus  SJ8220, SK0539

Crataegus laevigata  SJ9234, SK1110

Robinia pseudoacacia  SJ9044

Onobrychis viciifolia  SJ85R, SJ9023

Vicia faba  SJ85G
Page 237  
*Lathyrus linifolius*  SK2200  
*Lathyrus grandiflorus*  SJ8754  
*Lathyrus sylvestris*  SK2200  
*Lathyrus latifolius*  SJ7948  
*Melilotus albus*  SJ85B  
*Trifolium striatum*  SO9686  
*Elaeagnus umbellata*  New Vice County record: see end of this list  
*Lythrum salicaria*  SP2099  
*Epilobium tetragonum*  SJ8936  
*Epilobium roseum*  SJ83Y  
*Aucuba japonica*  SJ8848  
*Euphorbia lathyris*  SJ8836  
*Linum usitatissimum*  SJ8354, SJ8955  
*Oxalis elis*  SK0724  
*Geranium sanguineum*  SJ8649  
*Impatiens capensis*  SK2103  
*Hedera colchica*  SJ7949  
*Hydrocotyle vulgaris*  SK0407  
*Heracleum mantegazzianum*  SJ7948  
*Vinca minor*  SJ9049, SJ9948  
*Vinca major*  SJ8758  
*Lycium barbarum*  SJ9222  
*Physalis elatior*  Garden escape, wall base, Back Lane, Hill Top, Brown Edge, SJ9054, SRH, 2011  
*Physalis philadelphica*  New Vice County record: see end of this list  
*Lycopersicon esculentum*  SJ85H  
*Oxalis albidula*  New Vice County record: see end of this list  
*Calystegia sepium x silvatica (C. x lucana)*  SJ8354  
*Menyanthes trifoliata*  SJ8551, SJ8554, SJ9652  
*Nymphoides peltata*  SK04E  
*Pulmonaria officinalis*  SJ8553, SJ8653, SJ8754  
*Symphytum grandiflorum*  SJ8354  
*Borago officinalis*  SJ8141  
*Stachys palustris x silvatica (S. x ambigua)*  SK2328  
*Clinopodium ascendens*  Garden escape, by the western gatepost of Biddulph Grange Gardens, SJ8959, SRH, 2011  
*Origanum vulgare*  SJ8649  
*Menha arvensis*  SJ8955  
*Plantago coronopus*  SJ8350, SJ9025  
*Forsythia suspensa x viridissima (F. x intermedia)*  SJ8149, SJ8253, SJ8651  
*Verbascum blattaria*  A single plant on a bank bordering the car park of Servosteel, Dudley, B. Laney, conf. P.D. Stanley, SO9289, 2011  
*Verbascum nigrum*  SJ8836  
*Mimulus guttatus*  SJ8753  
*Antirrhinum majus*  SJ8254  
*Pedicularis palustris*  Still present near Spout Farm, SK0860, IJH, 2011  
*Campanula persicifolia*  SJ9053  
*Lobelia erinus*  SJ8254  
*Sambucus racemosa*  SJ7951, SJ7953  
*Viburnum lantana*  SJ84T, SJ84X, SJ84Z, SJ8254, SJ85K, SJ85L, SJ85Q, SJ85S
Page 311  
**Viburnum rhytidophyllum**  Three self-sown, scattered plants along the line of the Trent & Mersey Canal, Etruria, SJ8647, SRH, 2011

Page 312  
**Leycesteria formosa**  SJ8551, SJ9053, SJ9054

Page 312  
**Weigela florida**  In three places west of Stonebank Wood, Goldenhill, SJ8553, SRH, 2010

Page 312  
**Lonicera pileata**  SJ8746, SJ9922

Page 312  
**Lonicera nitida**  SJ8453, SJ8653, SK0638

Page 313  
**Valerianella locusta**  SK1139

Page 313  
**Valerianella carinata**  SK1039

Page 313  
**Knautia macedonica**  New Vice County record: see end of this list

Page 314  
**Centaurea cyanus**  SJ85W

Page 314  
**Cichorium intybus**  SJ85G

Page 315  
**Pilosella peleteriana ssp. tenuiscapa**  Still present at Wetton Mill, SK0956, IJH, 2011

Page 315  
**Erigeron annuus**  New Vice County record: see end of this list

Page 315  
**Erigeron acer**  SJ85H, SO8596

Page 316  
**Olearia avicennifolia x moschata (O. x haastii)**  Western end of woodland strip, south side of Linley Road, Talke, SJ8253, SRH, 2011

Page 316  
**Chrysanthemum segetum**  SK1016

Page 316  
**Mauranthemum paludosum**  New Vice County record: see end of this list

Page 317  
**Cotula coronopifolia**  21 shoots, edge of River Sow, Doxey Marshes, SJ9124, IJH & MFG, 2011

Page 317  
**Senecio erucifolius**  SJ8254

Page 317  
**Petasites fragrans**  SJ8843

Page 318  
**Ambrosia artemisifolia**  SJ8750, SJ8959

Page 318  
**Guizotia abyssinica**  SJ85G, SK1109

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**Helianthus annuus**  SJ9856

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**Galinsoga quadriradiata**  SJ7831

Page 318  
**Bidens cernua**  SJ92D

Page 318  
**Bidens tripartita**  SJ9026

Page 318  
**Eupatorium cannabinum**  SJ85H

Page 318  
**Sagittaria sagittifolia**  SJ8050, SJ8551, SO7582

Page 318  
**Stratiotes aloides**  SJ8551

Page 319  
**Lagarosiphon major**  SJ8050

Page 319  
**Acorus calamus**  SK13E

Page 320  
**Eleocharis quadricornis**  Still in Oldacre Valley, SJ9718, T. Holland, 2011

Page 320  
**Carex curta**  SK0407, SK0830

Page 320  
**Carex pseudocyperus**  SJ92C

Page 320  
**Carex strigosa**  SJ9234

Page 320  
**Festuca filiformis**  Acid grassland, close to western edge of Penn Golf Course, SO8994, ICT, 2011
Page 366  *Festuca pratensis x Lolium perenne (X Festulolium loliaceum)*  
SK1158

Page 373  *Phalaris canariensis*  SK85G

Page 380  *Cortaderia selloana*  SJ8349

Page 382  *Setaria viridis*  SJ8354

Page 384  *Hemerocallis fulva*  On an island, Minnie Lake, Halmer End, SJ7948, SRH, 2011

Page 385  *Fritillaria meleagris*  SO8199

Page 385  *Lilium pyrenaicum*  A clump with 50 shoots, A52 verge between Thorswood and Rue Hill, SK1047, IJH, 2011

Page 386  *Polygonatum multiflorum x odoratum (P. x hybridum)*  SJ8041

Page 387  *Muscari armeniacum*  SJ8051, SJ85G, SK1544

Page 396  *Gymnadenia conopsea*  SJ8852

Page 398  *Dactylorhiza praetermissa*  SK1039

Page 399  *Ophrys apifera*  SJ8684

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**Elaeagnus umbellata** Thunb.  
Elaeagnus  
1 2011  Neophyte  
Seven plants of varying size scattered along the Greenway, possibly originating from a standard in the adjacent Tunstall Park, SJ8651, SRH.

**Physalis philadelphica** Lam.  
Large-flowered Tomatillo  
1 2011  Casual  
In a strawberry bed mulched with compost provided by Stafford Borough Council, Cotonfields Allotments, Stafford, SJ9223, J.Gale, det. GMK.

**Solanum chenopodioides** Lam.  
Tall Nightshade  
1 2011  Casual  
30 or 40 plants on the perimeter of a field, Trysull, SO8593, A. Ferguson, conf. CBW& ICT.

**Knautia macedonica** Griseb.  
Knautia, Red Scabious  
1 2011  Neophyte  
Established on waste ground at southern end of Christchurch Street, Fenton, SJ8944, SRH.

**Erigeron annuus** (L.) Pers.  
Tall Fleabane  
1 2011  Neophyte  
Several plants at edge of the grounds of an old ironworks, bank of River Stour, SO8984, APD.

**Mauranthemum paludosum** (Poir.) Vogt & Oberprieler  
Annual Marguerite  
1 2004  Neophyte  
In paving cracks and at foot of brickwork, small front garden, Poplar Road, Bearwood, possibly originating from a hanging basket, SP0286, MWP, det. EJC.