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FLORA OF WARWICKSHIRE

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No. 4

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# Proceedings of the Birmingham Natural History Society

VOLUME XX No. 4  
APRIL 1965

*Editor:*  
M. C. CLARK, F.I.A.

## EDITORIAL

We are pleased to be able to present in this special number the long-awaited check lists of the flora of Warwickshire. These lists summarize the results of the survey of the vascular plants on which many of the members of our Botanical Section have been engaged during a period of over 14 years, together with those of the independent survey of the mosses and liverworts on which Mr T. Laflin has been working for 8 years with some help from a few of our members.

As explained by the authors, it is hoped that the revised Flora of Warwickshire itself will be published within the next two years. Much of the matter incorporated into these check lists will be used directly in the Flora. The particulars of first records in the county and of occurrences in neighbouring counties have involved an enormous amount of research, and should require little further revision. However, the trouble and expense of publishing this preliminary information will be justified only if it is most carefully studied by all those who are able to contribute anything further to the knowledge of the flora of the area. The authors ask for constructive criticism. Outstanding matters of doubt which can be cleared up by work in the field, or otherwise, will still need the help of members who are in a position to give it.

It is intended that these check lists should be given as wide a circulation as possible among botanists. We are sure they could form the basis of many interesting studies, particularly of changes in the constitution of the flora of the county.

The issue of a special number at this particular time has caused a change of plans in regard to future numbers, which we ask readers to note. It is proposed to issue the next ordinary number (No. 5 of the present volume) early in 1966 and subsequent numbers will also appear in the early months of succeeding years, rather than in the late summer. Reports of outdoor excursions during 1964 will be held over and will appear in the next number, along with reports of the lectures and other activities during the winter season 1964-5 and of the summer excursions of 1965.

# Check lists of the Vascular plants and Bryophytes of Warwickshire (v.c. 38) and surrounding vice-counties

## PART (I) - VASCULAR PLANTS

by R. C. Readett, J. G. Hawkes and Miss D. A. Cadbury

## Introduction

The check list which follows is intended to be an integral part (in preliminary form) of the new Warwickshire County Flora which we hope to complete and publish within the next two years.\*

The list sets out the species alphabetically (for easy reference without an index) following, with a few exceptions for which the authorities are given, the nomenclature used by Clapham, Tutin and Warburg in their *Flora of the British Isles* (2nd Edition). It indicates, according to the best information available to us, the species which have been recorded for Warwickshire (v.c. 38) and for the surrounding vice-counties. We are certain this information will be of great use to workers on the Warwickshire Flora survey during the period of final checking, indicating, as it does by earlier records of plants in v.c. 38 not recorded in the present survey, and by records given for some of the surrounding vice-counties of plants not recorded for v.c. 38, what additional species might yet be found in the county. At the same time it is hoped that workers in surrounding vice-counties will find the list of assistance and that it will play its part in building up a new Comital Flora of the British Isles.

\*The methods being used in this work have been described in the following papers :

- HAWKES, J. G. & READETT, R. C. (1954)  
The Warwickshire County Flora revision : A new method of recording. *Proc. Birm. Nat. Hist. and Phil. Soc.*, **18**, 61-74.
- HAWKES, J. G., READETT, R. C. & SKELDING, A. D. (1955)  
The Warwickshire County Flora revision : Mapping distribution. *Proc. Birm. Nat. Hist. and Phil. Soc.*, **18**, 109-112.
- CADBURY, MISS D. A., HAWKES, J. G. & READETT, R. C. (1957)  
Flora of Warwickshire : Species distribution maps and habitat analyses. *Proc. Birm. Nat. Hist. and Phil. Soc.*, **18**, 134-145.
- HAWKES, J. G. & READETT, R. C. (1963)  
Collecting the Data : A description of the methods used in the current revision of the Flora of Warwickshire. In Wanstall, P. J. Ed. *Local Floras*. B.S.B.I. Conference Report No. 7, London.

It would be foolish to imagine that the check list could be without its errors of commission and of omission : an additional reason for its publication is that it should encourage critical examination. We hope to receive many communications from botanists, correcting or adding to our records. These will increase the accuracy and enhance the value of the new Warwickshire County Flora when it is published and generally help to further botanical recording in the Midland counties. With this end in view it had been our hope to circulate copies of the check list in manuscript to botanical field workers in surrounding vice-counties and to invite their comments before publication, but it now seems to us preferable to get the list printed without further delay.

This check list makes use of the results of the survey of the vice-county for which we are jointly responsible but most of the research has been done by R. C. Readett who alone is responsible for the accuracy or inaccuracy of the first records and of the records of the presence of species in the surrounding vice-counties. The herbarium specimens cited have in all cases been examined by him jointly with J. G. Hawkes.

We should like to acknowledge the assistance we have received from those responsible for the various herbaria consulted; from the national specialists who have determined for us many specimens in the critical groups and who have sometimes supplied us with records; and from all the field workers on the Warwickshire County Flora revision without whom much of this work would have been impossible. For reasons of space detailed acknowledgement is not made here, but will be made in full in the published Flora.

## General Principles

### First Records

In giving the first record of a plant for the vice-county the term has been accepted in a wide sense : the first record for which the evidence was considered satisfactory, whether it be publication, manuscript or herbarium specimen, has been accepted. In all critical groups and wherever the evidence did not seem satisfactory that a published record or manuscript note was of a plant correctly named, the earliest herbarium specimen examined has been quoted. In certain critical groups – such as *Hieracium*, *Rubus*, *Salix*, *Sympyrum*, *Taraxacum* and *Ulmus* – it has sometimes been considered advisable to include records only of material determined by national specialists; this has led to some gaps in the vice-county records owing to the uncertainty of the nomenclature of older records. In some few cases a quite recent date has been given for a common plant whose existence in the vice-county has been known for some time but it has not been possible to trace an earlier published record or herbarium specimen.

In nearly all cases the record (publication or manuscript) quoted has been seen. The exceptions are a few manuscript notes quoted by Bagnall in his *Flora of Warwickshire*, which have been accepted, and the Baxter MS. of 1831 quoted by Bagnall in the *Midland Naturalist* of 1892/3 as giving a number of records predating those given in his *Flora of Warwickshire* published in 1891. This manuscript was in the possession of Druce, who supplied Bagnall with a list of the records, but it is not with the large quantity of MSS. which Druce left to Oxford University. Many of these records have been copied by Bagnall into his own copy of his *Flora* and as they are generally of common plants it has been thought well to accept them when not to have done so would have been to give as a first record a very much later publication or herbarium specimen. Where, however, a published record or herbarium specimen has been found dated within a few years after the Baxter MS. the later record has been given.

### Records from surrounding vice-counties

As far as possible all available records for the surrounding vice-counties have been included whether or not the plants have been recorded for v.c. 38. A few rare aliens have been omitted and, in general, hybrids have been included only where they occur in v.c. 38. An exception, too, has been made in the case of *Rubus* where only species recorded for v.c. 38 have been detailed with the relative information added respecting the other vice-counties.

### Explanatory Notes

**Column 1 (Name).** Species are listed alphabetically and the nomenclature generally is that of Clapham, Tutin and Warburg (*Flora of the British Isles* - 2nd Edition). Where there are any departures from this, the authority for the name used is given.

**Column 2 (Bagnall).** This indicates by the letter F that the species was recorded by Bagnall in his *Flora of Warwickshire* (1891). The letter A indicates that the record was received by Bagnall too late for inclusion in his Flora and appeared in 'Notes on the Flora of Warwickshire' in the *Midland Naturalist* of 1892-93.

**Column 3 (Present survey).** This refers to the present survey and indicates the number of 10 x 10 km squares (or parts thereof) making up the vice-county, in which the plant has been recorded. The maximum number is 39, excluding two very small portions of squares which are almost entirely in neighbouring vice-counties, and the Warwickshire areas of which have not in fact been surveyed.

**Columns 4 to 11.** These columns represent the vice-county of Warwickshire (Column 4) and those surrounding. A cross in any column denotes that the plant against which it appears has at some time been authoritatively recorded for that vice-county. A list of the vice-counties and their numbers follows :

38	Warwick	37	Worcester
23	Oxford	39	Stafford
32	Northampton	55	Leicester with Rutland
33	East Gloucester	57	Derby

**Column 12 (First record).** The general principles followed have already been set out, and a list of the various publications and herbaria from which these records have been obtained is given below. The list gives the names of contributors of first records derived from these sources, where they contain first records other than those of the author or collector himself. Where in column 12 only a name and date appear, the first record has been made during the present survey, and a list of these recorders is also given.

**Column 13 (Present frequency and habitats.)** In this column an attempt has been made to give very briefly the frequency with which the plant appears in the county today and the habitats it prefers. Frequency has not been used in the same sense in which it has been used in the detailed recording for the Flora, where it means frequency in the particular habitat in the basic square surveyed. Here it has been thought better to give an estimate of the frequency in the county as a whole. It will be seen that notes as to frequency and habitat have not been given for the segregates of *Rubus fruticosus*, because it has not, so far, been possible to record these in detail except in a very few areas.

## Sources of first records and names of contributors

ALLEN, D. E. : FLORA OF THE RUGBY DISTRICT (1957)

Dunn, S. T.

SUPPLEMENT (1961)

Webster, Miss McCallum

AMPHLETT & REA : BOTANY OF WORCESTERSHIRE (1909)

Lees, E.

ANALYST, THE : (1837)

Beilby, Miss M. A. Ick, W.

ATLAS OF THE BRITISH FLORA : (1962)

BAGNALL, J. E. : FLORA OF WARWICKSHIRE (1891)

Aylesford, Countess of Cox, T.

Bagnall, J. E.

Gorle, Rev. J.

Baxter, W.

King, Bolton

Baynes, W. W.

Kirk, T.

Bloxam, Rev. A.

Lloyd, Dr G.

Brightwell

Perry, W. G.

Bromwich, H.

Power, Rev. J.

Caswell, Rev. J.

Wescott, Bishop

Cheshire, W.

- BAGNALL, J. E. : HERBARIUM : (BIRMINGHAM MUSEUM)  
 Bagnall, J. E. Caswell, Rev. J.  
 Brody, Dr St. Kirk, T.  
 Bromwich, H. Satchell, W.
- BAGNALL, J. E. : FLORA OF SUTTON PARK (1876)
- BAXTER, W. : BRITISH PHAENOGAMOUS BOTANY, VOL. 1 (1834), VOL. 2 (1835)
- BAXTER, W. : MS. 1831 - See Midland Naturalist
- BIRMINGHAM MUSEUM : HERBARIUM (additional to Bagnall Collection)  
 Hardaker, W. H. Ick, W.  
 Harlond, A.
- BIRMINGHAM NATURAL HISTORY SOCIETY : PROCEEDINGS  
 1870 : Bagnall, J. E.
- BIRMINGHAM UNIVERSITY : HERBARIUM  
 Bagnall, J. E. Kirk, T.  
 Baker, Dr R. Ley, Rev. A.  
 Brody, Dr St. West, G. S.  
 Bromwich, H. Wilkinson, W. H.
- BLOXAM, REV. A. : HERBARIUM (1875) : (RUGBY PUBLIC LIBRARY)
- BOTANICAL EXCHANGE CLUB REPORTS  
 1875 : Bromwich, H. 1928 : Bromwich, H.  
 1881 : Baker, Dr R. 1945 : Burges, R. C. L.  
 1922 : Cumming, L.
- BOTANICAL SOCIETY OF THE BRITISH ISLES : PROCEEDINGS  
 1926 : Bloomer, H. H. 1945 : Horwood, A. R.  
 1928 : Lamb, J. 1946-47 : Burgess, R. C. L.  
 1936 : Jackson Wallace, E. C.
- BOTANIST'S GUIDE THROUGH ENGLAND & WALES : DAWSON TURNER & LEWIS  
 WESTON DILLWYN : 2 VOLS. (1805)  
 Aylesford, Countess of
- BRITISH MUSEUM : HERBARIUM  
 Bagnall, J. E. Kiernan, J.  
 Bloxam, Rev. A. Kirk, T.  
 Bromwich, H. Riddelsdell, H. J.  
 Cadbury, Miss D. A.
- BURGES, R. C. L. : HERBARIUM (WITH B'HAM NAT. HIST. SOC.)
- CADBURY, MISS D. A. : HERBARIUM
- CAMBRIDGE UNIVERSITY : HERBARIUM  
 Miles, B. A.
- COMPENDIUM OF CYBELE BRITANNICA - See Watson
- DRUCE, G. C. : COMITAL FLORA (1932)
- GIBSON : EDITION OF WILLIAM CAMDEN'S BRITANNIA (1695)  
 Ray, J.
- GLOUCESTERSHIRE, FLORA OF (1948)  
 Riddelsdell, H. J.
- GOUGH : EDITION OF WILLIAM CAMDEN'S BRITANNIA (1789)  
 Ray, J.
- HOLDEN : HERBARIUM (1688-1696) : (BIRMINGHAM REFERENCE LIBRARY)

## JOURNAL OF BOTANY

1896 : Dunn, S. T.	1904 : Townsend, F.
1897 : Townsend, F.	

## KEW : HERBARIUM

Bromwich, H.

L'OBEL - See Pena & L'Obel

## MAGAZINE OF NATURAL HISTORY

1828 : Bree, Rev. W. T.	1830 : Bree, Rev. W. T.
1829 : Perry, W. G.	

MANCHESTER UNIVERSITY : HERBARIUM  
Dashwood

MIDLAND FLORA: See Purton

## MIDLAND NATURALIST : (1892-93)

Baxter, W. (MS. 1831)	Palmer, Miss C.
Bromwich, H.	Reader, Rev. H. P.

## NATIONAL MUSEUM OF WALES : HERBARIUM

Bagnall, J. E.	Bloxam, Rev. A.
Baker	

## NEW BOTANIST'S GUIDE : WATSON, H. C.

Bree, Rev. W. T. (Vol. 1, 1835)	
Bloxam, Rev. A. (Vol. 2, 1837)	
Skipwith, Mrs F. (Vol. 2, 1837)	

## OXFORD UNIVERSITY : HERBARIUM

Aylesford, Countess of	Palmer, Miss C.
------------------------	-----------------

## PENA, P. &amp; L'OBEL, M. DE : STIRPIUM ADVERSARIA NOVA (1570)

## PERRY, W. G.: HERBARIUM: (WARWICK MUSEUM)

Baynes, W. W.	Ick, W.
Bromwich, H.	Kirk, T.
Cheshire, W.	Lloyd, Dr G.
Cooke, S. H.	Lowe, H. E.
Cox, T.	J. J. M.
Cross, F.	Perry, W. G.
Harris	

## PERRY, W. G. : LIST (1817) - APPENDIX TO DUGDALE'S WARWICKSHIRE

## PERRY, W. G. : PLANTAE VARVICENSIS SELECTAE (1820)

## PHYTOLOGIST, THE : EDITED BY G. LUXFORD (1841-1854)

1841 : Freeman, S.	1847 : Kirk, T.
1842 : Freeman, S.	1848 : Bloxam, Rev. A.
	Kirk, T.
1843 : Cameron, D.	1851 : Kirk, T.

## PURTON, T. : THE MIDLAND FLORA, VOLS. 1 &amp; 2 (1817)

Bree, Rev. W. T.	Purton, T.
Dalben	Rufiord, Rev. W. S.

## PURTON, T. : THE MIDLAND FLORA, VOLS. 3 &amp; 4 (1821)

Bree, Rev. W. T.	Purton, T.
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## RAY, JOHN : CATALOGUS PLANTARUM ANGLIAE (1670)

## RAY, JOHN : CATALOGUS 2ND EDITION (1677)

## RAY, JOHN : CORRESPONDENCE, ED, LANKESTER ; LETTER TO LISTER (1669)

RAY, JOHN : *HISTORIA PLANTARUM* (1686, 1688)

RAY, JOHN : *SYNOPSIS METHODICA STIRPIUM* (1690, 1724)

RUGBY SCHOOL REPORTS : 1867, 1868, 1869, 1870, 1874, 1875, 1892,  
1923, 1949

SHEFFIELD UNIVERSITY : HERBARIUM  
Bagnall, J. E.

SOUTH LONDON BOTANICAL INSTITUTE : HERBARIUM  
Bagnall, J. E.

STOKES, J. in Withering's *Arrangement* (1787)

TOPOGRAPHICAL BOTANY : - See Watson

TURRILL, W. B. : BRITISH KNAPWEEDS (1950)

WARWICK MUSEUM : HERBARIUM (additional to Perry Herbarium)  
Brody, Dr St. Cross, F.  
Bromwich, H. Dunn, S. T.  
Bryer, Miss W. Townsend, F.

WATSON, H. C. : COMPENDIUM OF CYBELE BRITANNICA (1870)

WATSON, H. C. : COMPENDIUM OF CYBELE SUPP. (1872)

WATSON, H. C. : TOPOGRAPHICAL BOTANY (1873)  
Bree, Rev. W. T. Kirk, T.  
Bromwich, H.  
- See also New Botanist's Guide

WATSONIA  
1951 : Ounsted, J. 1952 : Fleetwood, T.  
1952 : Falk, P. & Allen, D. E. 1953 : Edees, E. S.

WITHERING, W. : BOTANICAL ARRANGEMENT OF BRITISH PLANTS  
1787 : 2nd edition 1812 : 5th edition  
1796 : 3rd edition 1818 : 6th edition  
1801 : 4th edition 1830 : 7th edition

WORCESTERSHIRE, BOTANY OF - See Amphlett & Rea

YOUNG & BAKER : CATALOGUE OF PLANTS COLLECTED IN WARWICKSHIRE (1873)  
Bloxam, Rev. A. Cox, T.  
Bromwich, H.

**Note:** In a few cases, listed below, specimens previously housed in the Warwick Museum have been destroyed. The labels are in existence and the records are considered quite good.

<i>Aconitum anglicum</i>	Lloyd : Herb. Perry 1835
<i>Bidens tripartita</i>	Perry : Herb. Perry 1812
<i>Galium spurium</i>	Dunn : Herb. Warw. Mus. 1896
<i>Glechoma hederacea</i>	Perry : Herb. Perry 1813
<i>Plantago major</i>	Lloyd : Herb. Perry 1835
<i>Plantago media</i>	Lloyd : Herb. Perry 1835
<i>Rorippa nasturtium-aquat.</i> agg.	Perry : Herb. Perry 181-
<i>Scabiosa columbaria</i>	Perry : Herb. Perry 181-
<i>Senecio vulgaris</i>	Lloyd : Herb. Perry 1835
<i>Sisymbrium officinale</i>	Lloyd : Herb. Perry 1835
<i>Succisa pratensis</i>	Perry : Herb. Perry 1812
<i>Tussilago farfara</i>	Perry : Herb. Perry 1813

## Contributors of first records during present survey (1950-65)

- Allen, D. E. - London  
 Allen, H. - Coventry  
 Andrews, C. E. A. - Birmingham  
 Arnold, G. & M. - Wilnecote  
 Austin, Mrs R. - Leamington  
 Benoit, P. M. - Barmouth, Merioneth  
 Blackburn, Mrs - Rugby  
 Bywater, Miss J. - formerly of Birmingham University  
 Cadbury, Miss D. A. - Birmingham  
 Clark, M. C. - Barnet Green, Worcs.  
 Cooper, Miss G. - Warwick  
 Cotes, R. - Beeston, Notts.  
 Daulman, Miss B. - Fillongley  
 Dawson, R. W. - Warwick Museum  
 Edees, E. S. - Newcastle, Staffs.  
 Evans, R. - Stratford-on-Avon  
 Goodman, Miss C. M. (Mrs J. Dony) - Luton (formerly  
     Birmingham)  
 Gough, Miss S. (Mrs Coley-Smith) - formerly of Birmingham  
     University  
 Green, P. S. - Jamaica Plains, Mass. (formerly of Birmingham  
     University)  
 Hackett, A. - late of Hinckley, Leics.  
 Hall, Mr & Mrs P. C. - Longfield, Kent  
 Hanson, M. K. - Leicester  
 Hardaker, W. H. - Birmingham  
 Hawkes, Prof. J. G. - Birmingham University  
 Heath, Rev. D. M. - late of Little Compton  
 Jacobs, V. - Australia (formerly of Birmingham)  
 Jones, Mrs M. D. G. - Rugby  
 Laflin, T. - Luddington  
 Melville, Dr R. - Kew  
 Perry, D. - formerly of Birmingham University  
 Phipps, J. B. - London, Ont. (formerly of Birmingham University)  
 Readett, R. C. - Solihull  
 Roberts, H. A. - Wellesbourne  
 Rushforth, Miss M. - Warwick  
 Shack, Dr J. - Birmingham  
 Skeeling, Prof. A. D. - Jamaica (formerly of Birmingham  
     University)  
 Smith, T. - formerly of Birmingham University  
 Thomas, C. - Birmingham  
 Townsend, C. C. - British Museum  
 Tyer, Dr F. - Rochdale (formerly of Birmingham)  
 Webster, Miss M. McCallum - Forres, Moray  
 Woolman, J. F. - Shirley  
 Wright, Miss P. M. - Birmingham

## VASCULAR PLANT CHECK LIST







NAME C.T. & W. 2nd Edit.	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT POSITION V. 38		
	Bagshot	Present Survey	38	23	32	33	37	39	55	57	
<i>Bunium bulbocastanum</i> ...	...	—	—	—	X	—	—	—	—	—	Rare: cultivated land
<i>Bupleurum lancifolium...</i> ...	...	2	X	X	—	—	—	X	X	—	Rare: cultivated land
<i>rotundifolium</i> ...	...	1	X	X	—	X	—	X	X	—	
<i>tenuissimum</i> ...	...	—	—	—	—	X	—	—	—	—	
<i>Butomus umbellatus</i> ...	...	20	X	X	X	X	X	X	X	X	Occasional: shallow water
<i>Buxus sempervirens</i> ...	...	12	X	X	X	X	X	X	X	X	Occasional: plantations
<i>Cakile maritima</i> ...	...	2	X	X	—	—	—	—	—	—	Introduced with sea-sand
<i>Calamagrostis canescens</i> ...	...	1	X	X	X	X	X	X	X	X	One record: damp place
<i>epigejos</i> ... ...	...	19	X	X	X	X	X	X	X	X	Occasional: woodland
<i>Calamintha ascendens</i> ...	...	6	X	X	X	X	—	X	X	X	Occasional: dry calcareous grassy banks
<i>nepeta</i> ...	...	0	X	X	X	X	—	X	X	—	Not recorded in present survey
<i>Callitrichia hermaphroditica</i> ...	...	—	X	X	—	—	—	X	—	—	
<i>intermedia</i> ...	...	—	X	X	—	—	—	X	—	—	
<i>intermedia</i> ssp. ...	...	—	X	X	—	—	—	X	—	—	
<i>hamulata</i> ...	...	2	X	X	—	—	—	X	—	—	
<i>intermedia</i> ssp. ...	...	—	X	X	—	—	—	X	—	—	
<i>pedunculata</i> ...	...	1	X	X	—	—	—	X	—	—	
<i>obtusangula</i> ...	...	4	X	X	X	X	X	X	X	X	Two records: shallow water
<i>platycarpa</i> ...	...	3	X	X	X	X	X	X	X	X	One record: shallow water
<i>stagnalis</i> ...	...	32	X	X	X	X	X	X	X	X	Rare: shallow water
<i>truncata</i> ...	...	—	X	X	—	—	—	X	—	—	
<i>Calluna vulgaris...</i> ...	...	17	X	X	X	X	X	X	X	X	Locally frequent: heath and bog
<i>Caltha palustris</i> ...	...	35	X	X	X	X	X	X	X	X	Locally abundant: marshes
<i>Calystegia sepium</i> ssp. <i>pulchra</i> ...	...	2	X	X	X	X	X	X	X	X	Two records: waste place and hedgerow
<i>sepium</i> ssp. <i>sepium</i> ...	...	37	X	X	X	X	X	X	X	X	Abundant: hedges
<i>sepium</i> ssp. <i>silvatica</i> ...	...	30	X	X	X	X	X	X	X	X	Frequent: hedges
<i>soldanella</i> ...	...	0	X	X	—	—	X	—	—	Not recorded in present survey	
<i>Camelina sativa</i> ...	...	2	X	X	X	X	X	X	X	X	Two records: arable and waste land
<i>Campanula glomerata</i> ...	...	3	X	X	X	X	X	X	X	X	Rare: calcareous grassland
<i>latifolia</i> ...	...	14	X	X	X	X	X	X	X	X	Occasional: damp woodlands
<i>patula</i> ...	...	1	X	X	—	—	X	X	X	X	One record: hedgerow
<i>persicifolia</i> ...	...	1	X	X	X	X	X	X	X	X	One record: garden escape
<i>rapunculoides</i> ...	...	4	X	X	X	X	X	X	X	X	Rare: garden escape
<i>rapunculus</i> ...	...	0	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>rotundifolia</i> ...	...	33	X	X	X	X	X	X	X	X	Frequent: dry grassy banks
<i>trachelium</i> ...	...	14	X	X	X	X	X	X	X	X	Occasional: damp woods and hedgerows
<i>Capsella bursa-pastoris</i> ...	...	39	X	X	X	X	X	X	X	X	Abundant: cultivated and waste land
<i>Cardamine amara</i> ...	...	24	X	X	X	X	X	X	X	X	Occasional: wet places
<i>flexuosa</i> ...	...	34	X	X	X	X	X	X	X	X	Frequent: wet places
<i>hirsuta</i> ...	...	34	X	X	X	X	X	X	X	X	Frequent: wet places
<i>impatiens</i> ...	...	1	X	X	—	X	X	X	—	X	Two records: damp quarry
<i>pratensis</i> ...	...	38	X	X	X	X	X	X	X	X	Abundant: damp meadows and marshes
<i>Cardaria draba</i> ...	...	24	X	X	X	X	X	X	X	X	Locally frequent: cultivated and waste places
<i>Carduus acanthoides</i> ...	...	33	X	X	X	X	X	X	X	X	Frequent: rough grassland
<i>acanth.</i> <i>x nutans</i> ...	...	0	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>nutans</i> ...	...	25	X	X	X	X	X	X	X	X	Occasional: calcareous grassland
<i>tenuiflorus</i> ...	...	—	X	X	X	X	X	X	X	—	
<i>Carex acuta</i> ...	...	14	X	X	X	X	X	X	X	X	Occasional: waterside
<i>acutiformis</i> ...	...	31	X	X	X	X	X	X	X	X	Abundant: waterside

			38	23	32	33	37	39	55	57	
<i>Carex arenaria</i>	...	...		F	1	X	-	X	-	X	X
<i>binervis</i>	...	...		F	4	X	X	X	X	X	X
<i>caryophyllea</i>	...	...		F	22	X	X	X	X	X	X
<i>curta</i>	...	...		F	4	X	-	X	-	X	X
<i>demissa</i>	...	...		F	8	X	-	X	-	X	X
<i>demissa x hostiana</i>	...	...		F	1	X	-	X	-	X	X
<i>dianandra</i>	...	...		F	2	X	-	X	X	X	X
<i>digitata</i>	...	...		F	1	-	-	X	X	X	X
<i>diocia</i>	...	...		F	1	X	X	X	X	X	X
<i>diocia f. isogyna</i>	...	...		F	1	X	X	X	-	X	X
<i>distans</i>	...	...		F	6	X	X	X	X	X	X
<i>disticha</i>	...	...		F	23	X	X	X	X	X	X
<i>divulsa</i>	...	...		F	11	X	X	X	X	X	X
<i>echinata</i>	...	...		F	6	X	X	X	X	X	X
<i>elata</i>	...	...		F	2	X	X	-	-	X	X
<i>elongata</i>	...	...		F	2	X	-	-	-	-	X
<i>ericerorum</i>	...	...		F	1	-	-	-	-	-	X
<i>filiformis</i>	...	...		F	37	-	X	X	-	X	X
<i>flacca</i>	...	...		F	36	X	X	X	X	X	X
<i>hirta</i>	...	...		F	3	X	X	X	X	X	X
<i>hostiana</i>	...	...		F	3	-	X	-	X	X	X
<i>laevigata</i>	...	...		F	3	-	X	-	X	X	X
<i>lasiocarpa</i>	...	...		F	1	X	X	X	-	X	X
<i>lepidocarpa</i>	...	...		F	1	X	X	X	-	X	X
<i>montana</i>	...	...		F	5	X	X	X	-	X	X
<i>muricata</i>	...	...		F	23	X	X	X	X	X	X
<i>nigra</i>	...	...		F	23	X	X	X	X	X	X
<i>ornithopoda</i>	...	...		F	33	X	X	X	X	X	X
<i>otrubae</i>	...	...		F	2	X	X	X	X	-	X
<i>otrubae x remota</i>	...	...		F	25	X	X	X	X	X	X
<i>ovalis</i>	...	...		F	15	X	X	X	X	X	X
<i>pallens</i>	...	...		F	25	X	X	X	X	X	X
<i>panicea</i>	...	...		F	20	X	X	X	X	X	X
<i>paniculata</i>	...	...		F	0	X	X	X	-	X	X
<i>paniculata x remota</i>	...	...		F	23	X	X	X	-	X	X
<i>pendula</i>	...	...		F	9	X	X	X	X	X	X
<i>pilulifera</i>	...	...		F	0	X	X	X	X	X	X
<i>polyphylla</i>	...	...		F	17	X	X	X	X	X	X
<i>pseudocyperus</i>	...	...		F	1	X	X	X	X	X	X
<i>pulicaris</i>	...	...		F	23	X	X	X	X	X	X
<i>remota</i>	...	...		F	28	X	X	X	X	X	X
<i>riparia</i>	...	...		F	0	X	X	X	X	X	X
<i>riparia x vesicaria</i>	...	...		F	6	X	X	-	X	X	X
<i>rostrata</i>	...	...		F	1	-	X	-	X	X	X
<i>serotina</i>	...	...		F	31	X	X	X	-	X	X
<i>spicata</i>	...	...		A	0	X	X	X	X	X	X
<i>strigosa</i>	...	...		F	27	X	X	X	X	X	X
<i>sylvatica</i>	...	...		F	5	X	X	X	X	X	X
<i>vesicaria</i>	...	...		F	11	X	X	X	-	X	X
<i>vulpina</i>	...	...		F	23	X	X	X	-	X	X
<i>Carlina vulgaris</i>	...	...									
<i>Carpinus betulus</i>	...	...									

Phipps: 1955  
 Purton: Mid. Fl. 1817  
 Perry: Herb. Perry 1813  
 Ray: Catalogus 1670  
 Lloyd: Herb. Perry 1835  
 Readett: 1951  
 Bagnall: Flora 1891  
 Baynes: 1833 (Bagnall: Fl. 1891)  
 Harland: Herb. B'ham. Mus. 1935  
 Rugby School Rep. 1868  
 Purton: Mid. Fl. 1817  
 Baynes: 1833 (Bagnall: Fl. 1891)  
 Bagnall: Herb. Bag. 1870  
 Perry: Herb. Perry 1825  
 Withering: Arrangement 1801  
 Bagnall: Herb. Bag. 1873  
 Beilby: Analyst 1837  
 Bagnall: Herb. Bag. 1870  
 Green: 1952  
 Baxter: M.S. 1831 (Bagnall 1892/3)  
 Perry: Herb. Perry 181-  
 Bagnall: Herb. Bag. 1873  
 Baxter: M.S. 1831 (Bagnall 1892/3)  
 Ray: Catalogus 1670  
 Perry: Herb. Perry 1824  
 Beilby: Analyst 1837  
 Bromwich: 1870 (Bagnall: Fl. 1891)  
 Aylesford: Bot. Guide 1805  
 Lowe: Herb. Perry 1836  
 Horwood: Proc.B.S.B.I. 1945  
 Purton: Mid. Fl. 1817  
 Ray: Catalogus 1670  
 Perry: Herb. Perry 1829  
 Baxter: M.S. 1831 (Bagnall 1892/3)  
 Cumming: B.E.C. 1922  
 Ray: Catalogus 1670  
 Lloyd: Herb. Perry 1835  
 Reader: in Bagnall 1892/3  
 Bromwich: Herb. Perry 1850  
 Withering: Arrangement 1801  
 Perry: List 1817  
 Dolben: Mid. Fl. 1817  
 Two records: introduced with sea-sand  
 Rare: damp heathy places  
 Frequent: dry grassland  
 Rare: bogs  
 Rare: marshes and damp grassland  
 One record: wet heath  
 Two records: boggy heath  
 Rare: marshes and bogs  
 Rare: marshes and bogs  
 Rare: brackish marshes  
 Occasional: marshes and damp meadows  
 Rare: rough pastures and banks  
 Rare: marshes and bogs  
 Rare: marshes and damp woods  
 Abundant: marshes and damp pastures  
 Abundant: damp rough grass  
 Rare: marshes and bogs  
 Rare: marshes and damp woods  
 One record: rough pasture  
 Rare: dry grassland  
 Frequent: bogs and marshes  
 Abundant: marshes and waterside  
 Rare: marshes and damp ditches  
 Frequent: rough acid grassland  
 Occasional: marshes and damp woods  
 Locally frequent: marshes and bogs  
 Locally frequent: marshes and bogs  
 Not recorded in present survey  
 Frequent: damp woods and hedges  
 Rare: dry heathy places  
 Not recorded in present survey  
 Occasional: damp woods and ditches  
 Rare: bogs  
 Frequent: damp woods and ditches  
 Frequent: waterside  
 Not recorded in present survey  
 Occasional: marshes and waterside  
 Frequent: dry grassy places  
 Not recorded in present survey  
 Frequent: damp woods  
 Rare: marshes  
 Occasional: calcareous grassland  
 Frequent: probably always planted



			38	23	32	33	37	39	55	57		
<i>Chenopodium foliosum</i> Asch....			—	0	X	—	—	—	—	—	Perry: Herb. Perry 1823	Not recorded in present survey
<i>glaucum</i> ...			—	—	X	X	X	X	X	X	Bromwich 1898: B.E.C.Rep. 1928	Not recorded in present survey
<i>hircinum</i> ...			—	0	X	X	X	X	X	X	Perry: Herb. Perry 1819	Rare: cultivated and waste places
<i>hybridum</i> ...			F	8	X	X	X	X	X	X	Bree: New. Bot. Guide 1835	One record: cultivated land
<i>murale</i> ...			F	1	X	X	—	X	X	X	Bagnall: Flora 1891	Not recorded in present survey
<i>opulifolium</i> ...			F	0	X	X	X	X	X	X	Perry: Plant. Sel. 1820	Abundant: cultivated and waste places
<i>polyspermum</i> ...			F	32	X	X	X	X	X	X	Baxter: 1842 (Bagnall Fl. 1891)	Abundant: farmyards and pond margins
<i>rubrum</i> ...			F	31	X	X	X	X	X	X	Kirk: Herb. Bag. 1854	Not recorded in present survey
<i>suecicum</i> ...			F	0	X	X	X	—	X	X	Bree: New. Bot. Guide 1835	Not recorded in present survey
<i>urbicum</i> ...			F	0	X	X	—	X	X	X	Bagnall: Herb. Bag. 1903	One record: waste ground
<i>vulvaria</i> ... ...			—	1	X	X	X	X	X	X	Lloyd: Herb. Perry 1835	Abundant: grassland
<i>Chrysanthemum leucanthemum</i>			F	37	X	X	X	X	X	X	Readett: 1954	Naturalized on railway embankment, etc.
<i>maximum</i> ...			—	5	X	—	—	—	—	—	Perry: Herb. Perry 1826	Frequent: introduced: waste places and walls
<i>parthenium</i> ...			F	30	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)	Frequent: cultivated fields
<i>segetum</i> ...			F	21	X	X	X	X	X	X	Perry: List 1817	Frequent: roadsides and waste places
<i>vulgare</i> ...			F	28	X	X	X	X	X	X	Perry: Herb. Perry 1813	One record: woodland stream
<i>Chrysosplenium alternifolium</i>			F	1	X	X	X	X	X	X	Perry: Herb. Perry 1813	Locally frequent: shady streamsides
<i>oppositifolium</i> ...			F	18	X	X	X	X	X	X	Arnold: 1958	Occas.: introd.: hedges and waste places
<i>Cicerbita macrophylla</i> ...			—	7	X	—	—	—	—	—	Withering: Arrangement 1796	Frequent: grassland particularly calc.
<i>Cichorium intybus</i> ...			F	28	X	X	X	X	X	X		
<i>Cicuta virosa</i> ...			—	—	—	—	—	—	—	—		
<i>Circaea alpina</i> agg. ...			F	0	X	—	—	—	X	—	Bree: Mid. Fl. 1817	Not recorded in present survey
<i>intermedia</i> ...			—	0	X	—	—	—	X	—	Cox: Herb. Perry 1848	Abundant: woodland
<i>lutetiana</i> ...			F	32	X	X	X	X	X	X	Baily: Analyst 1837	Frequent: calcareous pastures
<i>Cirsium acaule</i> ...			F	22	X	X	X	X	X	X	Perry: List 1817	Abund.: grassland, cult. and waste places
<i>arvense</i> ...			F	39	X	X	X	X	X	X	Bree: Mag. Nat. Hist. 1828	Rare: marshes
<i>dissectum</i> ...			F	8	X	X	X	X	X	X	Aylesford: Bot. Guide 1805	Occasional: calcareous grassland
<i>eriophorum</i> ...			F	14	X	X	X	X	X	X	Perry: List 1817	
<i>heterophyllum</i> ...			—	—	—	—	—	—	—	—	Bree: Mag. Nat. Hist. 1828	Abundant: marshes, ditches and damp woods
<i>palustre</i> ...			F	37	X	X	X	X	X	X	Bree: Mag. Nat. Hist. 1828	Abundant: grassland, cult. and waste places
<i>tuberosum</i> ...			—	—	—	—	—	—	—	—	Ray: Catalogus 1670	Not recorded in present survey
<i>vulgare</i> ...			—	—	—	—	—	—	—	—	Perry: Plant. Sel. 1820	Frequent: hedges, wood margins, chiefly calc.
<i>Cladonia mariscus</i> ...			F	0	X	—	—	—	X	X	Perry: Herb. Perry 1812	Frequent: hedges and scrub, usually calc.
<i>Clematis vitalba</i> ...			F	25	X	X	X	X	X	X	Wallace: Proc. B.S.B.I. 1946	Rare: railway tracks
<i>Clinopodium vulgare</i> ...			F	22	X	X	X	X	X	X		
<i>Cochlearia danica</i> ...			—	7	X	—	—	—	X	—		
<i>officinalis</i> ssp. <i>alpina</i>			—	—	—	—	—	—	—	—		
<i>Coeloglossum viride</i> ...			F	0	X	X	X	X	X	X	Purton: Mid. Fl. 1817	Not recorded in present survey
<i>Colchicum autumnale</i> ...			F	6	X	X	X	X	X	X	Aylesford: Bot. Guide 1805	Rare: damp meadows and woods on calc. soil
<i>Conium maculatum</i> ...			F	31	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)	Abundant: ditches and riversides
<i>Conopodium majus</i> ...			F	37	X	X	X	X	X	X	Perry: Herb. Perry 1813	Abundant: grassland and woods
<i>Conringia orientalis</i> ...			F	0	X	X	X	—	X	X	Bromwich: Herb. Perry 1860	Not recorded in present survey
<i>Convalaria majalis</i> ...			F	6	X	X	X	X	X	X	Bree: Mid. Fl. 1817	Occasional: woodlands
<i>Convolvulus arvensis</i> ...			F	36	X	X	X	X	X	X	Lloyd: Herb. Perry 1835	Abundant: cultivated and waste places
<i>Conyza canadensis</i> ...			—	17	X	X	X	X	X	X	Hanson, 1951	Occasional: waste places
<i>Coriandrum sativum</i> ...			—	1	X	X	X	X	X	X	Harbold: Herb. B'ham Mus. 1940	One record: waste place
<i>Coriopspermum leptopterum</i> (Asch.) Ilijin. var. <i>leptopterum</i>			—	1	X	—	—	—	—	—	Clark: 1962	One record: casual: on introduced sea-sand
<i>Coronilla varia</i> ...			F	3	X	X	X	X	X	X	Bagnall: Herb. Bag. 1868	Rare: waste places and hedgerows
<i>Coronopus didymus</i> ...			F	18	X	X	—	X	X	X	Bromwich: Bagnall Fl. 1891	Occasional: cult. and waste places
<i>                squamatus</i> ...			F	32	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)	Abundant: farmyards and trampled ground
<i>Corydalis claviculata</i> ...			F	0	X	X	—	X	X	X	Withering: Arrangement 1787	Not recorded in present survey
<i>                lutea</i> ...			F	13	X	X	X	X	X	X	Perry: Herb. Perry 1812	Occasional: naturalized on walls

NAME C.T. & W. 2nd Edit.	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT POSITION V.C. 38	
			38	23	32	33	37	39	55	57		
<i>Corydalis solida</i> ...	...	...	F	2	X	X	X	X	X	X	—	Rare: naturalized on roadsides
<i>Corylus avellana</i> ...	...	...	F	38	X	X	X	X	X	X	X	Abundant: hedges and woods
<i>Cotoneaster microphyllus</i> <i>simonsii</i> ...	...	...	F	0	X	—	X	X	—	X	X	Not recorded in present survey
<i>Crataegus monogyna</i> ...	...	...	F	39	X	X	X	X	X	X	X	Abundant: hedges and woods
<i>oxyacanthoides</i> ...	...	...	F	35	X	X	X	X	X	X	X	Frequent: hedges and woods
<i>Crepis biennis</i> ...	...	...	F	3	X	X	X	X	X	X	X	Rare: rough grassland
<i>capillaris</i> ...	...	...	F	37	X	X	X	X	X	X	X	Abundant: grassland
<i>foetida</i> ...	...	...	F	[ ]	—	—	—	X	—	—	—	—
<i>nicaeensis</i> ...	...	...	A	0	X	X	—	—	—	—	X	Not recorded in present survey
<i>paludososa</i> ...	...	...	F	1	X	X	—	—	X	X	X	One record: wet place
<i>setosa</i> ...	...	...	F	1	X	X	X	X	X	X	X	One record: introduced in lawn
<i>vesicaria</i> ssp. <i>taraxacifolia</i>	...	...	F	30	X	X	X	X	X	X	X	Abundant: roadsides and waste places
<i>Crocus x crocosmiiflora</i> ...	...	...	F	3	X	—	—	X	X	—	X	Rare: naturalized in waste places
<i>Crocus nudiflorus</i> ...	...	...	F	1	X	—	—	X	X	X	X	One record: long established in grassland
<i>purpureus</i> ...	...	...	F	0	X	X	—	X	X	X	X	Not recorded in present survey
<i>Cryptogramma crispa</i> ...	...	...	F	0	—	X	X	—	X	X	X	Not recorded in present survey
<i>Cuscuta epithymum</i> ...	...	...	F	1	X	X	X	X	X	X	X	One record: on various plants in dry pasture
<i>europaea</i> ...	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey
<i>Cyclamen hederifolium</i> ...	...	...	F	—	—	—	—	—	—	—	—	—
<i>Cymbalaria muralis</i> ...	...	...	F	27	X	X	X	X	X	X	X	Frequent: walls
<i>Cynodon dactylon</i> ...	...	...	F	—	—	—	—	—	—	—	—	—
<i>Cynoglossum germanicum</i> <i>officinale</i> ...	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey
<i>Cynosurus cristatus</i> ...	...	...	F	4	X	X	X	X	X	X	X	Rare: rough grassland, mainly calc.
<i>echinatus</i> ...	...	...	F	38	X	X	X	X	X	X	X	Abundant: grassland
<i>Cyperus longus</i> ...	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey
<i>Cypripedium calceolus</i> ...	...	...	F	—	—	—	—	—	—	—	—	—
<i>Cystopteris fragilis</i> ...	...	...	F	7	X	X	—	X	X	X	X	Rare: established on walls
<i>Dactylis glomerata</i> ...	...	...	F	38	X	X	X	X	X	X	X	Abundant: grassland, waste and cultivated land
<i>Dactyorchis fuchsii</i> ssp. <i>fuchsii</i> <i>incarnata</i> ...	...	...	F	30	X	X	X	X	X	X	X	Abundant: damp meadows and woods on calc. soil
<i>maculata</i> ...	...	...	F	1	X	X	X	—	X	X	X	One record: marsh
ssp. <i>ericetorum</i> ...	...	...	F	9	X	X	X	X	X	X	X	Occasional: marshes and bogs
<i>praetermissa</i> ...	...	...	F	4	X	X	X	X	X	X	X	Rare: marshes
<i>prae. x fuchsii</i> ...	...	...	F	1	X	X	X	X	—	X	X	Two records: wet quarry
<i>purpurella</i> ...	...	...	F	—	—	—	—	—	—	—	—	—
<i>Damasonium alisma</i> ...	...	...	F	—	—	—	—	—	—	—	—	—
<i>Daphne laureola</i> ...	...	...	F	15	X	X	X	X	X	X	X	Occas.: woods and hedges on calc. soil
<i>mezereum</i> ...	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey
<i>Datura stramonium</i> ...	...	...	F	6	X	X	X	X	X	X	X	Rare: casual in waste places
<i>Daucus carota</i> ...	...	...	F	34	X	X	X	X	X	X	X	Abund.: grassy and waste places, calc. soil
<i>Delphinium ambiguum</i> ...	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey
<i>Dentaria bulbifera</i> ...	...	...	F	—	—	—	—	—	—	—	—	—
<i>Deschampsia caespitosa</i> <i>flexuosa</i> ...	...	...	F	39	X	X	X	X	X	X	X	Abundant: damp meadows and woodlands
<i>Descurainia sophia</i> ...	...	...	F	18	X	X	X	X	X	X	X	Frequently: acid grassland
<i>Dianthus armeria</i> ...	...	...	F	6	X	X	X	X	X	X	X	Rare: waste places
<i>deltoides</i> ...	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey
<i>Dianthus deltoides</i> ...	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey

		38	23	32	33	37	39	55	57	
Dianthus gratianopolitanus	...	—	0	X	X	—	X	—	—	Atlas of Brit. Flora: 1962
Digitalis purpurea	...	F	31	X	X	X	X	X	X	Perry: Herb. Perry 1812
Digitaria sanguinalis	...	F	0	X	X	—	X	X	—	Bromwich: Herb. B'ham Univ. 1874
Diplotaxis erucoides	...	—	—	—	—	—	—	—	—	Cross: Herb. Warw. Mus. 1874
muralis	...	F	12	X	X	X	X	X	X	Purton: Mid. Fl. 1817
tenuifolia	...	F	1	X	X	X	X	X	X	Perry: List 1817
Dipsacus fullonum ssp. fullonum	...	FF	30	X	X	X	X	X	X	Aylesford: Bot. Guide 1805
pilosus	...	F	7	X	X	X	X	X	X	McCallum Webster: 1957
Donorium pardalianches	...	—	2	X	X	X	X	X	X	Heath: 1957
plantagineum	...	—	—	—	X	X	—	—	—	
Draba incana	...	—	—	—	—	—	—	—	—	Withering: Arrangement 1787
muralis	...	—	1	X	X	—	X	—	X	Baxter: M.S. 1831 (Bagnall 1892/3)
Drosera anglica	...	—	—	—	—	—	—	—	—	Withering: Arrangement 1796
intermedia	...	—	—	—	—	—	—	—	—	Purton: Mid. Fl. 1821
rotundifolia	...	F	2	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)
Dryopteris borreri	...	FF	12	X	X	X	X	X	X	Brody: Herb. Bag. 1878
carthusiana	...	F	24	X	X	X	X	X	X	Bromwich: Bagnall Fl. 1891
cristata	...	—	—	—	—	—	—	—	—	Perry: Herb. Perry 1812
dilatata	...	FF	34	X	X	X	X	X	X	Lloyd: Herb. Perry 1835
filix-mas	...	FF	36	X	X	X	X	X	X	Freeman: Phyt. 1841
Echinochloa crus-galli	...	F	1	X	X	X	X	X	X	Lloyd: Herb. Perry 1835
Echinospermum lappula L.	...	FF	0	X	X	X	X	—	—	Cadbury: 1951
Echium lycopsis	...	—	—	—	—	—	—	—	—	Lloyd: Herb. Perry 1835
vulgare	...	—	14	X	X	X	X	X	X	Kirk: Herb. Perry 1861
Elatine hexandra	...	F	1	X	—	—	—	—	—	Readett: 1955
hydroper	...	—	—	—	—	—	—	—	—	Aylesford: Herb. Oxf. Univ. 1819
Eleocharis acicularis	...	FF	3	X	X	X	X	X	X	Kirk: Phyt. 1851
multicaulis	...	FFF	0	X	X	X	X	X	X	Ray: Catalogus 1670
palustris	...	F	19	X	X	X	X	X	X	Perry: Herb. Perry 1812
palustris ssp. palustris	...	—	4	X	—	—	—	—	Bagnall: Herb. Bag. 1889	
palustris ssp. vulgaris	...	—	16	X	—	—	—	—	Cadbury: 1950	
quinqueflora	...	F	2	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)
uniglumis	...	—	2	X	X	X	—	—	Readett: 1955	
Eleogeton fluitans	...	FF	1	X	X	X	—	X	X	Aylesford: Herb. Oxf. Univ. 1819
Elodea canadensis	...	FF	25	X	X	X	X	X	X	Kirk: Phyt. 1851
Elymus arenarius	...	—	—	—	—	—	—	—	—	Ray: Catalogus 1670
Empetrum nigrum	...	FF	35	X	X	X	X	X	X	Perry: Herb. Perry 1812
Endymion non-scriptus	...	...	—	—	—	—	—	—	—	Bagnall: Herb. Bag. 1889
Epilobium adenocaulon	...	—	30	X	X	X	X	X	X	Cadbury: 1950
adeno. x obscurum	...	—	2	X	—	X	X	—	—	Baxter: M.S. 1831 (Bagnall 1892/3)
hirsutum	...	F	38	X	X	X	X	X	X	Readett: 1955
hirs. x montanum	...	—	2	X	X	X	X	—	—	Clark: 1963
lanceolatum	...	—	1	X	X	—	X	—	—	Perry: Herb. Perry 1812
montanum	...	F	37	X	X	X	X	X	X	Green: 1950
mont. x parviflorum	...	—	7	X	X	X	X	X	X	Evans: 1965
nerterioides	...	—	1	X	—	X	X	—	—	Kirk: Herb. Perry 1855
obscurum	...	F	28	X	X	X	X	X	X	Cadbury: 1951
obsc. x palustre	...	—	1	X	—	X	X	—	—	Bagnall: Herb. Bag. 1874
obsc. x parviflorum	...	—	—	—	—	—	—	—	Not recorded in present survey	
palustre	...	FF	19	X	X	X	X	X	X	Occasional: marshes and bogs
parviflorum	...	FF	36	X	X	X	X	X	X	Abundant: marshes, ditches and lakesides
roseum	...	F	16	X	X	X	X	X	X	Occasional: riversides and waste ground

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			38	23	32	33	37	39	55	57	V.C. 38	V.C. 38	
<i>Epilobium tetragonum</i> ...	F	—	X	X	X	X	X	X	X	X	Readett: 1954	One record: marsh	
<i>tetragonum</i> ssp. <i>lanyi</i>		1	X	X	X	X	X	—	X	—			
<i>tetragonum</i> ...			X	X	X	X	X	X	X	X	Perry: Herb. Perry 1816	Frequent: damp woods, ditches and waste places	
<i>Epipactis atrorubens</i> ...	—	23	X	X	X	X	X	X	X	X	Withering: Arrangement 1796	Occasional: woodlands	
<i>helleborine</i> ...	F	17	X	X	X	X	X	X	X	X			
<i>leptochila</i> ...			X	X	X	X	X	X	X	X			
<i>palustris</i> ...	F	0	X	X	X	X	X	X	X	X			
<i>phyllanthes</i> ...		0	X	X	X	X	X	X	X	X			
<i>purpurata</i> ...		2	X	X	X	X	X	—	X	X			
<i>Epipogium aphyllum</i> ...			X	X	X	X	X	X	X	X			
<i>Equisetum arvense</i> ...	F	37	X	X	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)	Abundant: fields, woods and waste places	
<i>fluviatile</i> ...	F	31	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	Abundant: shallow water at lake margins	
<i>hyemale</i> ...	F	0	X	X	X	X	X	X	X	X	Ray: Gibson's Camden 1695	Not recorded in present survey	
<i>palustre</i> ...	F	30	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	Abundant: bogs and marshes	
<i>sylvaticum</i> ...	F	5	X	X	X	X	X	X	X	X	Ray: Catalogus 1670	Rare: woodland	
<i>telmateia</i> ...	F	20	X	X	X	X	X	X	X	X	Bree: Plant. Sel. 1820	Occasional: hedgerows and ditches	
<i>Eranthis hyemalis</i> ...		4	X	X	X	X	X	X	X	X	Bagnall: Herb. Bag. 1866	Rare: planted, sometimes naturalized in grassland	
<i>Erica cinerea</i> ...		5	X	X	X	X	X	X	X	X	Bree: Mid. Fl. 1817	Rare: heaths	
<i>tetralix</i> ...	F	6	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	Rare: wet heaths and bogs	
<i>Erigeron acer</i> ...		12	X	X	X	X	X	X	X	X	Bree: Mid. Fl. 1817	Occasional: well-drained grassland especially calc.	
<i>mucronatus</i> ...			X	X	X	X	X	X	X	X			
<i>Eriogonum alpinus</i> ...			X	X	X	X	X	X	X	X			
<i>Eriophorum angustifolium</i> ...	F	5	X	X	X	X	X	X	X	X	Withering: Arrangement 1787	Rare: wet heaths and bogs	
<i>gracile</i> ...			X	X	X	X	X	X	X	X			
<i>latifolium</i> ...			X	X	X	X	X	X	X	X			
<i>Erodium botrys</i> ...	F	2	X	X	X	X	X	X	X	X	Withering: Arrangement 1787	Rare: wet heaths and bogs	
<i>cicutarium</i> ...		1	X	X	X	X	X	X	X	X	Hackett: 1964	One record: waste place	
ssp. <i>cicutarium</i> ...	F	27	X	X	X	X	X	X	X	X			
<i>glutinosum</i> ...		1	X	X	X	X	X	X	X	X	Aylesford: Herb. Oxf. Univ. 1810	Frequent: well-drained sandy soil	
<i>maritimum</i> ...			X	X	X	X	X	X	X	X	Benoit: 1963	One record: introduced with sea-sand	
<i>Erophila praecox</i> ...		0	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	Not recorded in present survey	
<i>spatulata</i> ...	F	0	X	X	X	X	X	X	X	X	Bagnall 1874: Flora 1891	Not recorded in present survey	
<i>verna</i> ...			X	X	X	X	X	X	X	X			
<i>Erucastrum gallicum</i> ...		28	X	X	X	X	X	X	X	X	Aylesford: Herb. Oxf. Univ. 1809	Frequent: walls and dry places	
<i>nasturtiifolium</i> ...	F	0	X	X	X	X	X	X	X	X	Bromwich: Herb. B'ham Univ. 1893	Not recorded in present survey	
<i>Eryngium campestre</i> ...			X	X	X	X	X	X	X	X			
<i>Erysimum cheiranthoides</i> ...		13	X	X	X	X	X	X	X	X	Bromwich: Herb. Perry 1860	Occasional: cultivated and waste places	
<i>Euonymus europaeus</i> ...		21	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	Occasional: woods and hedges on calc. soil	
<i>Eupatorium cannabinum</i> ...		16	X	X	X	X	X	X	X	X	Perry: List 1817	Occasional: ditches and streamsides	
<i>Euphorbia amygdaloides</i> ...		10	X	X	X	X	X	X	X	X	Perry: Herb. Perry 1825	Occasional: damp woods	
<i>corallioides</i> ...			X	X	X	X	X	X	X	X			
<i>cyparissias</i> ...		1	X	X	X	X	X	X	X	X	Rugby Sch. Rep. 1867		
<i>esula</i> agg. ...		0	X	X	X	X	X	X	X	X	Bagnall: Herb. Bag. 1871		
<i>exigua</i> ...	F	29	X	X	X	X	X	X	X	X	Perry: List 1817		
<i>helioscopia</i> ...		36	X	X	X	X	X	X	X	X	Lloyd: Herb. Perry 1835		
<i>lathyrus</i> ...	F	8	X	X	X	X	X	X	X	X	Dunn: Jl. of Bot. 1896		
<i>peplius</i> ...	F	37	X	X	X	X	X	X	X	X	Lloyd: Herb. Perry 1835		
<i>platyphyllos</i> ...		0	X	X	X	X	X	X	X	X	Bromwich: Bagnall Fl. 1891		



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			38	23	32	33	37	39	55		
<i>Galanthus nivalis</i>	—	F	17	X	X	X	X	X	X	X	Occasional: naturalized in woodlands
<i>Galega officinalis</i>	—	—	4	X	—	—	—	—	—	—	Rare: waste places
<i>Galeobdolon luteum</i>	—	—	26	X	X	X	X	X	X	X	Frequent: woods and hedges
<i>Galeopsis angustifolia</i>	—	—	5	X	X	X	X	X	X	X	Rare: cult. and waste places on calc. soil
<b>bifida</b>	—	—	13	X	X	X	X	—	—	—	Occasional: cultivated and waste places
<b>segetum</b>	—	—	—	X	X	X	X	X	X	—	—
<b>speciosa</b>	—	—	5	X	X	X	X	X	X	X	—
<b>tetrahit agg.</b>	—	—	33	X	X	X	X	X	X	X	—
<b>tetrahit</b>	—	—	7	X	X	X	X	X	X	X	—
<i>Galinsoga ciliata</i>	—	—	2	X	X	—	X	—	—	X	—
<b>parviflora</b>	—	—	1	X	X	X	X	X	X	X	—
<i>Galium aparine</i> ...	—	—	39	X	X	X	X	X	X	X	—
<b>cruciata</b>	—	—	32	X	X	X	X	X	X	X	—
<b>mollugo agg.</b>	—	—	—	X	X	X	X	X	X	X	—
<b>mollugo ssp. erectum</b>	—	—	0	X	X	X	X	X	X	X	—
<b>mollugo ssp. mollugo</b>	—	—	29	X	X	X	X	X	X	X	—
<b>mollugo x verum</b>	—	—	0	X	X	X	X	X	X	X	—
<b>odoratum</b>	—	—	21	X	X	X	X	X	X	X	—
<b>palustre agg.</b>	—	—	34	X	X	X	X	X	X	X	—
<b>Palustre ssp. elongatum</b>	—	—	1	X	X	X	X	X	X	X	—
<b>Palustre ssp. palustre...</b>	—	—	1	X	X	X	X	X	X	X	—
<b>parisiense</b>	—	—	—	X	X	X	X	X	X	X	—
<b>pumilum</b>	—	—	0	X	—	X	—	—	—	—	—
<b>saxatile</b>	—	—	24	X	X	X	X	X	X	X	—
<b>spurium</b>	—	—	0	X	X	—	X	—	X	X	—
<b>sterneri...</b>	—	—	—	X	—	X	—	X	—	X	—
<b>tricornutum</b>	—	—	6	X	X	X	X	X	X	X	—
<b>uliginosum</b>	—	—	19	X	X	X	X	X	X	X	—
<b>verum</b> ...	—	—	36	X	X	X	X	X	X	X	—
<i>Gastridium ventricosum</i>	—	—	1	X	—	X	—	X	—	X	—
<i>Genista anglica</i> ...	—	—	0	X	X	X	X	X	X	X	—
<b>tinctoria</b>	—	—	16	X	X	X	X	X	X	X	—
<i>Gentiana pneumonanthe</i>	—	—	—	X	X	X	X	X	X	X	—
<i>Gentianella amarella</i> ...	—	—	5	X	X	X	X	X	X	X	—
<b>anglica</b>	—	—	—	X	X	X	X	X	X	X	—
<b>campestris</b>	—	—	—	X	X	X	X	X	X	X	—
<b>germanica</b>	—	—	—	X	X	X	X	X	X	X	—
<i>Geranium columbinum</i>	—	—	8	X	X	X	X	X	X	X	—
<b>dissectum</b>	—	—	36	X	X	X	X	X	X	X	—
<b>endressii</b>	—	—	0	X	X	X	X	X	X	X	Not recorded in present survey
<b>lucidum</b>	—	—	10	X	X	X	X	X	X	X	Occasional: walls
<b>molle</b>	—	—	33	X	X	X	X	X	X	X	Abundant: grassland and cultivated fields
<b>phaeum</b>	—	—	3	X	X	X	X	X	X	X	Rare: naturalized in hedgerows
<b>pratense</b>	—	—	27	X	X	X	X	X	X	X	Frequent: rough grass on calcareous soil
<b>pusillum</b>	—	—	28	X	X	X	X	X	X	X	Frequent: grassland and cultivated fields
<b>pyrenaicum</b>	—	—	14	X	X	X	X	X	X	X	Occasional: cultivated and waste places
<b>Robertianum</b>	—	—	38	X	X	X	X	X	X	X	Abundant: woodlands and hedges
<b>rotundifolium</b>	—	—	2	X	X	X	X	X	X	X	Two records: bare places on road verges
<b>sanguineum...</b>	—	—	0	X	—	X	X	X	X	X	Not recorded in present survey
<b>sylvaticum...</b>	—	—	0	X	—	X	X	X	X	X	Not recorded in present survey
<b>versicolor</b>	—	—	0	X	X	—	X	—	X	X	Not recorded in present survey



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			38	23	32	33	37	39	55	57		
<i>Hieracium salticola</i> (Sudre)												
Sell & West			10	X	—	—	—	X	X	X	—	Occasional: roadsides, railways, waste places
<i>schmidii</i> ...			—	—	—	—	—	—	—	X		
<i>strumosum</i>			20	X	X	X	X	X	X	X	X	Frequent: railways, hedges, walls and waste places
(W.R.L.) Ley			—	—	—	X	—	—	—	—		
<i>subamplifolium</i>			—	—	—	—	—	—	—	X		
(Zahn) Roffey			—	—	—	—	—	—	—	—		
<i>subcyanescens</i>			—	—	—	—	—	—	—	X		
<i>submutabile</i>			—	—	—	—	—	—	—	—		
(Zahn) Pugs.			—	—	—	—	—	—	—	X	—	
<i>subplanifolium</i> Pugs.			—	—	—	—	—	—	—	X		
<i>subprasinifolium</i>			—	—	—	—	—	—	—	X		
Pugs. ...			—	—	—	—	—	—	—	X		
<i>trichocaulon</i>		F	5	X	X	X	X	X	X	X	X	Rare: woods, railways and waste places
<i>umbellatum</i>			7	X	—	X	X	X	X	X	X	Rare: woods, railways and grassland
<i>vagum</i>			4	X	—	—	X	X	X	—	X	Rare: railway banks
<i>vulgatum</i> ...			—	—	—	—	—	—	—	—		
<i>Himantoglossum hircinum</i>			—	—	—	—	—	—	—	—		
<i>Hippocrepis comosa</i>	F	2	X	X	X	X	X	X	X	X	X	Two records: calcareous grassland
<i>Hippophae rhamnoides</i>			—	—	—	—	—	—	—	—		
<i>Hippuris vulgaris</i>	F	11	X	X	X	X	X	X	X	X	X	Occasional: ponds, lakes and ditches
<i>Hirschfeldia incana</i>			—	—	—	—	—	—	—	—		
<i>Holcus lanatus</i> ...	F	39	X	X	X	X	X	X	X	X	X	Abundant: rough grassland, woods and waste places
<i>mollis</i> ...	F	37	X	X	X	X	X	X	X	X	X	Abundant: woods and hedgerows on acid soil
<i>Hordeolum europaeus</i>		1	X	X	X	X	X	X	X	X	X	One record: woodland
<i>Hordeum marinum</i>			—	—	—	—	—	—	—	—		
<i>murinum</i>			36	X	X	X	X	X	X	X	X	Abundant: roadsides and waste places
<i>secalinum</i> ...			33	X	X	X	X	X	X	X	X	Abundant: meadows especially on calcareous soil
<i>Hornungia petraea</i>			—	—	—	—	—	—	—	—		
<i>Hottonia palustris</i>			0	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>Humulus lupulus</i>			30	X	X	X	X	X	X	X	X	Frequent: hedges
<i>Hydrocharis morsus-ranae</i>			—	—	—	—	—	—	—	—		
<i>Hydrocotyle vulgaris</i>	F	12	X	X	X	X	X	X	X	X	X	Occasional: bogs and marshes
<i>Hymenophyllum wilsonii</i>			—	—	—	—	—	—	—	—		
<i>Hyoscyamus niger</i>	F	8	X	X	X	X	X	X	X	X	X	Rare: waste places
<i>Hypericum androsaemum</i>			2	X	X	X	X	X	X	X	X	Rare: naturalized in woods and hedges
<i>calycinum</i>	F	0	X	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>x desetansii</i>			—	—	—	—	—	—	—	—		
<i>elodes</i> ...	F	1	X	—	—	—	X	—	—	X	X	Two records: bog and marsh
<i>hircinum</i> ...			1	X	—	X	X	—	X	X	X	One record: waste place
<i>hirsutum</i> ...	F	22	X	X	X	X	X	X	X	X	X	Abundant: rough grassland and woods on calc. soil
<i>humifusum</i>			13	X	X	X	X	X	X	X	X	Occasional: roadsides and dry acid grassland
<i>maculatum</i> ...			29	X	X	X	X	X	X	X	X	Frequent: rough grassland and waste places: non-calc.
<i>montanum</i>			—	—	—	—	—	—	—	—		
<i>perforatum</i>	F	37	X	X	X	X	X	X	X	X	X	Abundant: rough grassland and hedgerows
<i>pulchrum</i> ...			18	X	X	X	X	X	X	X	X	Occasional: woods and hedges on acid soil
<i>tetapterum</i>			33	X	X	X	X	X	X	X	X	Abundant: marshes, ditches and railway banks
<i>Hypochoeris glabra</i>			0	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>maculata</i> ...			—	—	—	—	—	—	—	—		
<i>radicata</i> ...	F	38	X	X	X	X	X	X	X	X	X	Abundant: grassland

			38	23	32	33	37	39	55	57	
<i>Iberis amara</i> ...	...	...	F	0	X	X	-	X	X	-	Kirk: Phytologist 1847 Young & Baker: Catalogue 1873 Falk & Allen 1937: Watsonia 1952 Ounsted 1942: Watsonia 1951 Cox: Herb. Perry 1852 Bromwich: (Bagnall) Mid. Nat. 1892/3)
<i>Ilex aquifolium</i> ...	...	...	F	35	X	X	X	X	X	X	Not recorded in present survey
<i>Impatiens capensis</i> ...	...	...	-	16	X	X	X	X	X	X	Abundant: woods and hedges
<i>glandulifera</i> ...	...	...	-	15	X	X	X	X	X	X	Locally frequent: canal banks
<i>noli-tangere</i> ...	...	...	F	0	X	-	X	X	-	-	Locally frequent: marshes and riversides
<i>parviflora</i> ...	...	...	A	3	X	X	X	X	X	X	Not recorded in present survey
<i>Inula conyzoides</i> ...	...	...	-	10	X	X	X	X	X	X	Rare: woods and stream sides
<i>helenium</i> ...	...	...	FF	3	X	X	X	X	X	X	Occasional: grass and scrub on well-drained calc. soil
<i>Iris foetidissima</i> ...	...	...	F	8	X	X	X	X	X	X	Rare: hedges and roadsides
<i>pseudacorus</i> ...	...	...	F	33	X	X	X	X	X	X	Occasional: hedges and woods on calcareous soil
<i>Isatis tinctoria</i> ...	...	...	-	-	-	-	-	-	-	Abundant: marshes and lakesides	
<i>Isolepis setacea</i> ...	...	...	F	13	X	X	-	X	X	X	Occasional: marshy places on acid soil
<i>Jasione montana</i> ...	...	...	F	0	X	X	-	X	X	X	Perry: Herb. Perry 1843
<i>Juglans regia</i> ...	...	...	-	14	X	X	-	X	X	X	Perry: Herb. Perry 181- Arnold: 1955
<i>Juncus acutiflorus</i> ...	...	...	FF	25	X	X	X	X	X	X	Perry: Herb. Perry 1815
<i>articulatus</i> ...	...	...	-	36	X	X	X	X	X	X	Perry: Herb. Perry 1820
<i>acutif. x artic.</i> ...	...	...	F	4	X	-	X	X	-	-	Rugby: Sch. Rep.: 1949
<i>biflorus</i> ...	...	...	FF	34	X	-	X	X	X	X	Perry: Herb. Perry 1815
<i>bulbosus agg.</i> ...	...	...	F	5	X	X	X	X	X	X	Purton: Mid. Fl. 1817
<i>bulbosus</i> ...	...	...	-	0	-	-	-	-	-	-	Perry: Herb. Perry 1836
<i>compressus</i> ...	...	...	A	12	X	-	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)
<i>conglomeratus</i> ...	...	...	FF	32	X	X	X	X	X	X	Baxter c. 1840: Bagnall H. 1891
<i>effusus</i> ...	...	...	F	37	X	X	X	X	X	X	Perry: Herb. Perry 1826
<i>effusus var. compactus</i> ...	...	...	F	4	X	X	-	X	X	X	Cadbury: 1950
<i>gerardii</i> ...	...	...	FF	-	-	-	-	-	-	-	Perry: Herb. Perry 1826
<i>inflexus</i> ...	...	...	F	38	X	-	X	X	X	X	Bloxam: Phytologist 1848
<i>inflexus x effusus</i> ...	...	...	F	7	X	X	X	X	X	X	Kirk: Herb. Perry 1847
<i>kochii</i> ...	...	...	F	10	X	-	X	-	-	-	Purton: Mid. Fl. 1817
<i>squarrosus</i> ...	...	...	FF	6	X	X	X	X	X	X	Purton: Mid. Fl. 1817
<i>subnodulosus</i> ...	...	...	F	6	X	X	X	X	X	X	Cadbury: Herb. Cadbury 1944
<i>tenuis</i> ...	...	...	F	7	X	X	-	X	X	X	Purton: Mid. Fl. 1817
<i>Juniperus communis</i> ...	...	...	-	-	-	-	-	-	-	Purton: Mid. Fl. 1817	Perry: Herb. Perry 1843
<i>Kickxia elatine</i> ...	...	...	F	20	X	X	X	X	X	X	Purton: Mid. Fl. 1817
<i>spuria</i> ...	...	...	F	9	X	X	X	X	X	X	Purton: Mid. Fl. 1817
<i>Knautia arvensis</i> ...	...	...	FF	31	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>Koeleria cristata</i> ...	...	...	F	9	X	X	X	X	X	X	Bromwich: Herb. Perry 1853
<i>Kohlrauschia prolifera</i> ...	...	...	-	-	-	-	-	-	-	-	-
<i>Laburnum anagyroides</i> ...	...	...	-	8	X	X	X	-	X	X	Hardaker: 1953
<i>Lactuca saligna</i> ...	...	...	-	-	-	-	-	-	-	-	Occasional: naturalized in hedges
<i>serriola</i> ...	...	...	F	3	X	X	X	X	-	-	Goodman: 1959
<i>virosa</i> ...	...	...	F	7	X	X	X	X	X	X	Rare: rough grassland and waste places
<i>Lamium album</i> ...	...	...	FF	39	X	X	X	X	X	X	Bree: Mid. Fl. 1817
<i>amplexicaule</i> ...	...	...	F	26	X	X	X	X	X	X	Lloyd: Herb. Perry 1835
<i>hybridum</i> ...	...	...	F	12	X	X	X	X	X	X	Perry: Herb. Perry 1813
<i>maculatum</i> ...	...	...	F	11	X	X	X	-	X	X	Baxter: 1840: Bagnall Fl. 1891
<i>moluccellifolium</i> ...	...	...	-	-	-	-	-	-	-	-	Kirk: Herb. Perry 1849
<i>purpureum</i> ...	...	...	FF	38	X	X	X	X	X	X	Perry: Mag. Nat. Hist. 1829
<i>Lapsana communis</i> ...	...	...	F	39	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)
<i>Larix decidua</i> ...	...	...	F	30	X	X	X	X	X	X	Wright: 1953
<i>Lathraea squamaria</i> ...	...	...	F	1	X	X	X	X	X	X	Power: Bagnall Fl. 1891

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			38	23	32	33	37	39	55	57	
<i>Lathyrus aphaca</i> ... ...	F	3	X	X	-	X	X	-	X	X	Putton: Mid. Fl. 1817
<i>hirsutus</i> ... ...		1	X	X	-	X	-	X	-	X	Cadbury: 1957
<i>latifolius</i> ... ...	F	7	X	X	X	X	X	-	X	X	Bagnall: Herb. Bag. 1872
<i>montanus</i> ... ...	F	21	X	X	X	X	X	X	X	X	Ray: Catalogus 1670
<i>nissolia</i> ... ...	F	9	X	X	X	X	X	X	X	X	Putton: Mid. Fl. 1817
<i>palustris</i> ... ...		—	-	-	-	-	-	-	-	-	Perry: Herb. Perry 1812
<i>pratensis</i> ... ...	F	39	X	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>sylvestris</i> ... ...	F	6	X	X	X	X	X	X	X	X	Druce: Com. Fl. 1932
<i>tuberosus</i> ... ...		1	X	X	-	X	X	X	X	-	Abundant: rough grassland
<i>Lavatera cretica</i> ... ...	[ ]	—	-	-	-	-	-	-	-	Rare: scrub, hedges and rough grassland	
<i>Ledum palustre</i> agg. ... ...	[ ]	—	-	-	-	-	-	-	-	One record: withy bed	
<i>Legousia hybrida</i> ... ...	F F	9	X	X	X	X	-	X	X	X	Occasional: cultivated ground on calcareous soil
<i>Lemna gibba</i> ... ...	F F	20	X	X	X	X	-	X	X	X	Frequent: still water
<i>minor</i> ... ...	F F	35	X	X	X	X	X	X	X	X	Abundant: still water
<i>polyrrhiza</i> ... ...	F F	5	X	X	X	X	X	X	X	X	Rare: still water
<i>trisulca</i> ... ...	F F	28	X	X	X	X	X	X	X	X	Ick: Analysis 1837
<i>Leontodon autumnalis</i> ... ...	F F F	38	X	X	X	X	X	X	X	X	Bree: New Bot. Guide 1835
<i>hispidus</i> ... ...	F F	37	X	X	X	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)
<i>taraxacoides</i> ... ...	F F	32	X	X	X	X	X	X	X	X	Perry: List 1817
<i>Leonurus cardiaca</i> ... ...	F F	1	X	X	-	X	X	X	X	X	Baxter: M.S. 1831 (Bagnall 1892/3)
<i>Lepidium campestre</i> ... ...	F F	21	X	X	-	X	X	X	X	X	Putton: Mid. Fl. 1817
<i>heterophyllum</i> ... ...	F	1	X	X	X	X	X	X	X	X	Perry: Herb. Perry 1819
<i>latifolium</i> ... ...		—	-	-	-	-	-	-	-	Bree: New Bot. Guide 1835	
<i>perfoliatum</i> ... ...		0	X	X	-	X	X	X	X	X	Rugby Sch. Rep.: 1923
<i>ruderale</i> ... ...	F	10	X	X	-	X	X	X	X	X	Bromwich: 1876: Bagnall Fl. 1891
<i>virginicum</i> ... ...		1	X	X	-	X	X	X	X	X	Daulman: 1961
<i>Leucojum aestivum</i> ... ...	F	0	X	X	-	X	X	X	X	X	Putton: Mid. Fl. 1817
<i>Leucorchis albida</i> ... ...	[ ]	—	-	-	-	-	-	-	-	Not recorded in present survey	
<i>Ligustrum ovalifolium</i> ... ...	[ ]	9	X	X	-	X	X	X	X	X	Occasional: roadsides and waste places
<i>vulgare</i> ... ...	F	34	X	X	-	X	X	X	X	X	One record: farmyard
<i>Lilium martagon</i> ... ...	F	2	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>Limosella aquatica</i> ... ...	F	1	X	X	X	X	X	X	X	X	Rugby Sch. Rep.: 1867
<i>Linaria pelisseriana</i> ... ...	[ ]	0	X	X	-	X	X	X	X	X	Aylesford: Bot. Guide 1805
<i>purpurea</i> ... ...	[ ]	11	X	X	-	X	X	X	X	X	Rugby Sch. Rep.: 1869
<i>repens</i> ... ...	F	10	X	X	-	X	X	X	X	X	Bromwich: Bagnall Fl. 1891
<i>repens</i> x <i>vulgaris</i> ... ...	[ ]	1	X	X	-	X	X	X	X	X	Bagnall: Herb. Bag. 1873
<i>vulgaris</i> ... ...	F	33	X	X	-	X	X	X	X	X	Allen, H.: 1956
<i>Linum anglicum</i> ... ...	[ ]	—	-	-	-	-	-	-	-	Perry: Herb. Perry 1812	
<i>bienne</i> ... ...	F	0	X	X	-	X	X	X	X	X	Rugby Sch. Rep.: 1875
<i>catharticum</i> ... ...	F	26	X	X	-	X	X	X	X	X	Perry: Herb. Perry 1815
<i>usitatissimum</i> ... ...	F	7	X	-	X	X	X	X	X	X	Putton: Mid. Fl. 1817
<i>Listera cordata</i> ... ...	[ ]	—	-	-	-	-	-	-	-	Perry: Herb. Perry 1813	
<i>ovata</i> ... ...	F	20	X	X	-	X	X	X	X	X	Perry: Herb. Perry 1825
<i>Lithospermum arvense</i> ... ...	F F	13	X	X	X	X	X	X	X	X	Putton: Mid. Fl. 1817
<i>officinale</i> ... ...	F	8	X	X	-	X	X	X	X	X	Occasional: woods and rough grass on calcareous soil
<i>purpurascens</i> ... ...	[ ]	—	-	-	-	-	-	-	-	Occasional: cultivated fields on calcareous soil	
<i>Littorella uniflora</i> ... ...	F	2	X	X	-	X	X	X	X	X	Occasional: grass, hedgerows and woods on calc. soil
<i>Lobularia maritima</i> ... ...	[ ]	4	X	X	-	X	X	X	X	X	Two records: edges of lakes and in shallow water
<i>Lolium perenne</i> ssp. <i>multiflorum</i> ... ...	F F	39	X	X	-	X	X	X	X	X	Rare: escape from cultivation
<i>perenne</i> ssp. <i>perenne</i> ... ...	[ ]	—	-	-	-	-	-	-	-	Abundant: grassland and waste places	
<i>temulentum</i> ... ...	F	2	X	X	-	X	X	X	X	X	Abundant: grassland and waste places
											Two records: waste places

			38	23	32	33	37	39	55	57	
<i>Lonicera caprifolium</i> ...	...	F	0	X	X	X	X	X	X	X	Bolton King: Bagnall Fl. 1891
<i>periclymenum</i> ...	...	F	36	X	X	X	X	X	X	X	Lloyd: Herb. Perry 1835
<i>xystoleum</i> ...	...	F	0	X	X	X	X	X	X	X	Withering: Arrangement 1812
<i>Lotus corniculatus</i> ...	...	F	38	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>pedunculatus</i> ...	...	F	34	X	X	X	X	X	X	X	Lloyd: Herb. Perry 1835
<i>tenuis</i> ...	...	F	13	X	X	X	X	X	X	X	Lloyd: Herb. Perry 1835
<i>Lunaria annua</i> ...	...		7	X	X	X	X	X	X	X	Hardaker: 1957
<i>Luronium natans</i> ...	...		F	38	X	X	X	X	X	X	Perry: Herb. Perry 1813
<i>Luzula campestris</i> ...	...				X	X	X	X	X	X	Druce: Com. Fl. 1932
<i>forsteri</i> ...	...				0	X	X	X	X	X	Putton: Mid. Fl. 1817
<i>luzuloides</i> ...	...				0	X	X	X	X	X	Perry: Herb. Perry 1841
<i>multiflora</i> ...	...	F	21	X	X	X	X	X	X	X	Perry: Herb. Perry 1813
<i>multiflora</i> var. <i>congesta</i>	...	F	2	X	X	X	X	X	X	X	Bagnall: 1869: Flora 1891
<i>pilosa</i> ...	...	F	23	X	X	X	X	X	X	X	Bree: Mag. Nat. Hist. 1828
<i>sylvatica</i> ...	...	F	13	X	X	X	X	X	X	X	Rugby Sch. Rep. 1867
<i>Lychins flos-cuculi</i> ...	...	F	36	X	X	X	X	X	X	X	Hawkes & Tyer: 1961
<i>Lycium chinense</i> agg.	...				X	X	X	X	X	X	Arnold: 1955
<i>chinense</i> ...	...				11	X	X	X	X	X	Bree: Mid. Fl. 1817
<i>halimifolium</i> ...	...				17	X	X	X	X	X	Aylesford: Bot. Guide 1805
<i>Lycopodium alpinum</i> ...	...					X	X	X	X	X	Bree: Mid. Fl. 1817
<i>clavatum</i> ...	...					0	X	X	X	X	Not recorded in present survey
<i>inundatum</i> ...	...					0	X	X	X	X	Not recorded in present survey
<i>selago</i> ...	...					0	X	X	X	X	Not recorded in present survey
<i>Lycopus europaeus</i> ...	...					33	X	X	X	X	Abundant: waterside
<i>Lysimachia ciliata</i> ...	...					0	X	X	X	X	Not recorded in present survey
<i>nemorum</i> ...	...					23	X	X	X	X	Frequent: damp woods
<i>nummularia</i> ...	...					29	X	X	X	X	Frequent: woods, hedgerows and damp grassy places
<i>punctata</i> ...	...					4	X	X	X	X	Rare: marshes and riversides
<i>vulgaris</i> ...	...					11	X	X	X	X	Occasional: waterside in shade
<i>Lythrum hyssopifolia</i> ...	...					0	X	X	X	X	Not recorded in present survey
<i>salicaria</i> ...	...					26	X	X	X	X	Frequent: marshes and watersides
<i>Mahonia aquifolium</i> ...	...					23	X	X	X	X	Frequent: naturalized in hedges and woods
<i>Majanthemum bifolium</i> ...	...					—	X	X	X	X	Hawkes: 1955
<i>Malus sylvestris</i> ...	...					35	X	X	X	X	Ruby Sch. Rep.: 1867
<i>sylvestris</i> ssp. <i>mitis</i>	...					23	X	X	X	X	Bagnall: Fl. Sutton Pk. 1876
<i>syl. ssp. <i>sylvestris</i></i> ...	...					25	X	X	X	X	Ray: Gough's Camden 1789
<i>Malva moschata</i> ...	...					30	X	X	X	X	Lloyd: Herb. Perry 1835
<i>neglecta</i> ...	...					28	X	X	X	X	Bromwich: Herb. Bag. 1876
<i>nicaeensis</i> ...	...					0	X	X	X	X	Bromwich: Herb. Bag. 1881
<i>parviflora</i> ...	...					0	X	X	X	X	Perry: Herb. Perry 1812
<i>pussilla</i> ...	...					0	X	X	X	X	Putton: Mid. Fl. 1817
<i>sylvestris</i> ...	...					34	X	X	X	X	Druce: Com. Fl. 1932
<i>Marrubium vulgare</i> ...	...					3	X	X	X	X	Perry: Herb. Perry 1812
<i>Matricaria matricarioides</i> ...	...					39	X	X	X	X	Not recorded in present survey
<i>recutita</i> ...	...					35	X	X	X	X	Abundant: roadsides, cultivated and waste places
<i>Matteuccia struthiopteris</i> ...	...					1	X	X	X	X	One record: scrub at base of cliff
<i>Meconopsis cambrica</i> ...	...					0	X	X	X	X	Not recorded in present survey
<i>Medicago arabica</i> ...	...					7	X	X	X	X	Occasional: grassland and waste places
<i>falcata</i> ...	...					—	X	X	X	X	Clark: 1957
<i>laciniata</i> ...	...					1	X	X	X	X	Kirk: Herb. Perry 1854
<i>lupulina</i> ...	...					39	X	X	X	X	Clark: 1958
<i>minima</i> ...	...					1	X	X	X	X	One record: railway yard
											Abundant: grassland and waste places
											One record: railway yard





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			38	23	32	33	37	39	55	57	V.C. 38
<i>Orchis purpurea</i> ... ...			-	X	-	-	-	-	-	-	
<i>simia</i> ... ...			-	X	-	-	-	-	X	X	
<i>ustulata</i> ... ...			-	X	X	X	X	X	X	X	
<i>Origanum vulgare</i> ... ...	12	X	X	X	X	X	X	X	X	X	Bromwich : Top. Bot. 1873
<i>Ornithogalum nutans</i> ... ...	0	X	X	X	X	X	X	-	X	X	Young & Baker : Catalogue 1873
<i>pyrenaicum</i> ... ...				X	X		X	X	-		Perry : List 1817
<i>umbellatum</i> ... ...	F			X	X	X	X	X	X	X	Withering : Arrangement 1787
<i>Ornithopus perpusillus</i> ... ...	12	X	X	X	X	X	X	X	X	X	Bree : Mag. Nat. Hist. 1830
<i>Orobanche elatior</i> ... ...	8	X	X	X	X	X	X	X	X	X	Bloxam : Y. & B. Catalogue 1873
<i>hederae</i> ... ...	F			X	X	X	X	X	X	X	Rare : cultivated and waste places
<i>minor</i> ... ...	F			X	X	X	X	X	X	X	Not recorded in present survey
<i>picridis</i> ... ...	F			X	X	X	X	X	X	X	Two records : lakeside and marsh
<i>rapum-genistae</i> ... ...	F	0	X	X	-	X	X	X	X	X	Frequent : woods
<i>Osmunda regalis</i> ... ...	F	2	X	X	-	X	X	X	X	X	Occasional : roadsides and waste places
<i>Oxalis acetosella</i> ... ...	26	X	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>corniculata</i> ... ...	F	8	X	X	X	X	X	X	X	X	Two records : waste places
<i>europaea</i> ... ...	F	0	X	X	-	X	X	X	X	X	Occasional : cultivated and waste places
<i>Panicum milaceum</i> ... ...		2	X	X	X	X	-	-	X	-	Abundant : cultivated and waste places
<i>Papaver argemone</i> ... ...	F	18	X	X	X	X	X	X	X	X	Abundant : cultivated and waste places
<i>dubium</i> ... ...	F	36	X	X	X	X	X	X	X	X	Occasional : cult. and waste places on calc. soil
<i>hybridum</i> ... ...		-		X	X	X	X	X	X	X	Abundant : cultivated and waste places
<i>lateritium</i> ... ...											Occasional : waste places
<i>lecoqii</i> ... ...	F	9	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>rhoes</i> ... ...	F	35	X	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817
<i>somniferum</i> ... ...	F	28	X	X	X	X	X	X	X	X	Aylesford : Bot. Guide 1805
<i>Parapholis incurva</i> ... ...		0	X		-	X			-	X	Perry : Herb. Warw. Mus. 1867
<i>Parentucellia viscosa</i> ... ...											Lloyd : Herb. Perry 1835
<i>Parietaria diffusa</i> ... ...	F	22	X	X	X	X	X	X	X	X	Bree : Mag. Nat. Hist. 1830
<i>Paris quadrifolia</i> ... ...	F	12	X	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)
<i>Parnassia palustris</i> ... ...	F	1	X	X	X	X	X	X	X	X	Bromwich : Herb. Warw. Mus. 1867
<i>Pastinaca sativa</i> ... ...	F	33	X	X	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>Pedicularis palustris</i> ... ...	F	2	X	X	X	X	X	X	X	X	Baxter : Phaen. Bot. 1834
<i>sylvatica</i> ... ...	F	12	X	X	X	X	X	X	X	X	Jackson 1902 : Proc. B.S.B.I. 1936
<i>Pentaglottis sempervirens</i> ... ...	F	17	X	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817
<i>Pepis portula</i> ... ...	F	9	X	X	X	X	X	X	X	X	Aylesford : Bot. Guide 1805
<i>Petasites albus</i> ... ...	F	0	X		-	X			-	X	Perry : Herb. Perry 1812
<i>fragrans</i> ... ...	F	13	X	X	X	X	X	X	X	X	Bree : New Bot. Guide 1835
<i>hybridus</i> ... ...	F	24	X	X	X	X	X	X	X	X	Harris : Herb. Perry 1827
<i>japonicus</i> ... ...	F	2	X		-	X			-	X	Withering : Arrangement 1787
<i>Petroselinum crispum</i> ... ...	F	3	X	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817
<i>segetum</i> ... ...	F	2	X	X	X	X	X	X	X	X	Perry : Plant. Sel. 1820
<i>Peucedanum ostruthium</i> ... ...	F	-									Baxter : Phaen. Bot. 1834
<i>Phalaris arundinacea</i> ... ...	F	35	X	X	X	X	X	X	X	X	Perry : Plant. Sel. 1820
<i>canariensis</i> ... ...	F	26	X	X	X	X	X	X	X	X	Bree : New Bot. Guide 1835
<i>minor</i> ... ...	F	-									Perry : Herb. Perry 1820
<i>paradoxa</i> ... ...	F	-									Rushforth : 1957
<i>Phleum arenarium</i> ... ...	F	1	X		-	X			-	X	Perry : Herb. Perry 1823
<i>bertolonii</i> ... ...	F	37	X	X	X	X	X	X	X	X	Bree : New Bot. Guide 1835
<i>pratense</i> ... ...	F	38	X	X	X	X	X	X	X	X	Clark : 1962
<i>Phragmites communis</i> ... ...	F	27	X	X	X	X	X	X	X	X	Brody : Herb. Warw. Mus. 1875
											Perry : Herb. Perry 1823
											Lloyd : Herb. Perry 1835

		38	23	32	33	37	39	55	57	
<i>Phyllitis scolopendrium</i>	...	F	25	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>Physalis alkekengi</i>	...	F	1	X	X	—	—	—	—	Kirk : Phytologist 1842
<i>Phyteuma nigrum Schmidt</i>	<i>spicatum</i>	F	0	X	—	—	—	—	—	Cox 1863 : Bagnall Fl. 1891
<i>Picea abies</i>	...	—	17	X	X	—	—	—	X	Watson 1835 : Comp. Cyb. Br. 1870
<i>sitchensis</i>	...	—	5	X	—	—	—	—	—	Phipps : 1954
<i>Picris echioides</i>	...	F	17	X	X	X	X	—	X	Phipps : 1955
<i>hieracioides</i>	...	F	14	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>Pilularia globulifera</i>	...	F	0	X	—	—	—	X	X	Lloyd : Herb. Perry 1835
<i>Pimpinella major</i>	...	F	9	X	X	X	X	X	X	Porton : Mid. Fl. 1817
<i>saxifraga</i>	...	F	29	X	X	X	X	X	X	Bree : Mag. Nat. Hist. 1830
<i>Pinguicula vulgaris</i>	...	F	1	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)
<i>Pinus nigra</i>	...	—	5	X	X	X	—	—	—	Bree : Mid. Fl. 1817
<i>sylvestris</i>	...	—	35	X	X	X	X	X	X	Shack : 1952
<i>Plantago coronopus</i>	...	—	1	X	X	X	X	X	X	Bagnall : Fl. Sutton Pk. 1876
<i>indica</i>	...	—	0	X	X	X	X	X	X	Porton : Mid. Fl. 1817
<i>lanceolata</i>	...	—	39	X	X	X	X	X	X	Bromwich : Herb. Bag. 1882
<i>major</i>	...	—	39	X	X	X	X	X	X	Perry : Herb. Perry 1813
<i>maritima</i>	...	—	—	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>Platanthera bifolia</i>	...	F	32	X	X	X	—	—	X	Lloyd : Herb. Perry 1835
<i>chlorantha</i>	...	F	1	X	X	X	X	X	X	Cheshire : Herb. Perry 1857
<i>Platanus x hybrida</i>	...	F	11	X	X	X	X	X	X	Perry : List 1817
<i>Poa annua</i>	...	—	3	X	—	—	—	—	—	Burges : Herb. Burges 1942
<i>bulbosa</i>	...	—	38	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>chaixii</i>	...	—	1	X	X	—	—	X	—	Bromwich : Herb. Bag. 1875
<i>compressa</i>	...	—	18	X	X	X	X	X	X	Perry : Herb. Perry 1826
<i>nemoralis</i>	...	—	25	X	X	X	X	X	X	Perry : Herb. Perry 1819
<i>palustris</i>	...	—	0	X	—	X	X	X	X	Druce : Com. Fl. 1932
<i>pratensis</i> agg.	...	—	37	X	X	X	X	X	X	Kirk : Herb. Perry 1854
<i>prat.</i> ssp. <i>angustifolia</i>	...	—	14	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>prat.</i> ssp. <i>irrigata</i>	...	—	2	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>prat.</i> ssp. <i>pratensis</i>	...	—	2	X	X	X	X	X	X	Perry : Herb. Perry 1820
<i>trivialis</i>	...	—	38	X	X	X	X	X	X	Bromwich : Herb. Bag. 1871
<i>Polemonium caeruleum</i>	...	—	1	X	—	X	—	X	X	Aylesford : Herb. Oxf. Univ. 1808
<i>Polygonal calcarata</i>	...	—	12	X	X	X	—	—	X	Perry : Herb. Perry 1812
<i>serpyllifolia</i>	...	F	23	X	X	X	X	X	X	Cheshire : Herb. Perry 1857
<i>vulgaris</i>	...	F	4	X	X	X	X	X	X	Westcott 1836 : Bag. Fl. 1891
<i>Polygonatum multiflorum</i>	<i>odoratum</i>	F	0	X	X	—	X	—	X	Perry : Herb. Perry 1812
<i>Polygonum amphibium</i>	...	F	31	X	X	X	X	X	X	Bagnall : Herb. Bag. 1873
<i>arenarium</i>	...	F	15	X	X	X	X	X	X	Witchering : Arrangement 1787
<i>avicularia</i> agg.	...	F	37	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>avicularia</i>	...	F	32	X	X	X	X	X	X	Hardaker : 1959
<i>baldschuanicum</i>	...	—	3	X	X	X	X	X	X	Ray : Catalogus 1670
<i>bistorta</i>	...	F	15	X	—	X	X	X	X	Perry : Herb. Perry 1812
<i>convolvulus</i>	...	F	37	X	X	X	X	X	X	Burges : Herb. Burges 1933
<i>cuspidatum</i>	...	—	20	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>dumetorum</i>	...	—	—	X	—	X	X	X	X	Abundant : marshes, streams and ditches
<i>hydropiper</i>	...	F	35	X	X	X	X	X	X	Abundant : cultivated and waste places
<i>lapachifolium</i>	...	F	36	X	X	X	X	X	X	Not recorded in present survey
<i>minus</i>	...	F	0	X	—	X	X	X	X	Not recorded in present survey
<i>mite</i>	...	A	0	X	X	X	X	X	X	Ruby Sch. Rep. 1892
										Frequent : walls, ditches, woods, in shade One record : waste place Not recorded in present survey Not recorded in present survey Occasional : always planted Rare : always planted Occasional : rough grass, cult., waste places; calc. Occasional : rough grass on calc. soil Not recorded in present survey Occasional : roadsides and woods Frequent : rough grassland Rare : marshes and bogs Rare : always planted Abundant : probably always planted One record : gravel path Not recorded in present survey Abundant : grassland and waste places Abundant : roadsides, cult. and waste places Frequent : grassland especially on calc. soil One record : woodland on calcareous soil Occasional : woodland and scrub on calc. soil Rare : always planted Abundant : grassland, cult. and waste places One record : woodland Occasional : walls and dry banks Frequent : woods and hedges Not recorded in present survey Abundant : grassland Occasional : calcareous grassland Under-recorded : grassland Abundant : woods, hedges, grass and cult. land One record : probably garden escape Occasional : heath and woodland on acid soil Frequent : grassland on non-acid soil Rare : woods, hedgerows—prob. usually escape Not recorded in present survey Abundant : marshes and lakes Occasional : roadsides and dry waste places Abundant : roadsides, cult. and waste places Abundant : roadsides, cult. and waste places Rare : escape from gardens Occasional : marshes and railway banks Abundant : cultivated and waste places Frequent : waste places Abundant : marshes, streams and ditches Abundant : cultivated and waste places Not recorded in present survey Not recorded in present survey

NAME C.T. & W. 2nd Ed.	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT POSITION V.C. 38
	38	23	32	33	37	39	55		
Bar	Bar	Bar	Bar	Bar	Bar	Bar	Bar	Bar	Bar
Present Survey	Year								
<i>Polygonum nodosum</i> ...	...	F	—	—	—	—	X	X	—
<i>persicaria</i> ...	...	—	—	—	—	—	X	X	X
<i>polystachyum</i> ...	...	—	—	—	—	—	X	—	X
<i>raif</i> ...	...	—	—	—	—	—	X	—	X
<i>sachalinense</i> ...	...	—	—	—	—	—	X	—	X
<i>Polypodium interjectum</i> ...	...	—	—	—	—	—	X	—	X
<i>vulgare</i> agg. ...	...	—	—	—	—	—	X	—	X
<i>vulgare</i> ...	...	—	—	—	—	—	X	—	X
<i>Polypogon monspeliensis</i> ...	...	—	—	—	—	—	X	—	X
<i>semivirgillatius</i> ...	...	—	—	—	—	—	X	—	X
<i>Polystichum aculeatum</i> ...	...	—	—	—	—	—	X	—	X
<i>setiferum</i> ...	...	—	—	—	—	—	X	—	X
<i>Populus alba</i> ...	...	—	—	—	—	—	X	—	X
<i>x canadensis</i> var.	...	—	—	—	—	—	X	—	X
<i>serotina</i> ...	...	—	—	—	—	—	X	—	X
<i>canescens</i> ...	...	—	—	—	—	—	X	—	X
<i>gileadensis</i> ...	...	—	—	—	—	—	X	—	X
<i>nigra</i> ...	...	—	—	—	—	—	X	—	X
<i>nigra</i> var. <i>italica</i> ...	...	—	—	—	—	—	X	—	X
<i>Potamogeton acutifolius</i> ...	...	—	—	—	—	—	X	—	X
<i>alpinus</i> ...	...	—	—	—	—	—	X	—	X
<i>berchtoldii</i> ...	...	—	—	—	—	—	X	—	X
<i>x cadburyae</i> ...	...	—	—	—	—	—	X	—	X
( <i>P. crispus</i> × <i>P. lucens</i> )	...	—	—	—	—	—	X	—	X
<i>coloratus</i> ...	...	—	—	—	—	—	X	—	X
<i>compressus</i> ...	...	—	—	—	—	—	X	—	X
<i>crispus</i> ...	...	—	—	—	—	—	X	—	X
<i>friesii</i> ...	...	—	—	—	—	—	X	—	X
<i>gramineus</i> ...	...	—	—	—	—	—	X	—	X
( <i>P. crispus</i> × <i>P. friesii</i> )	...	—	—	—	—	—	X	—	X
<i>lucens</i> ...	...	—	—	—	—	—	X	—	X
<i>natans</i> ...	...	—	—	—	—	—	X	—	X
<i>nodosus</i> ...	...	—	—	—	—	—	X	—	X
<i>obtusifolius</i> ...	...	—	—	—	—	—	X	—	X
<i>pectinatus</i> ...	...	—	—	—	—	—	X	—	X
<i>perfoliatus</i> ...	...	—	—	—	—	—	X	—	X
<i>polygonifolius</i> ...	...	—	—	—	—	—	X	—	X
<i>praelongus</i> ...	...	—	—	—	—	—	X	—	X
<i>pustulosus</i> ...	...	—	—	—	—	—	X	—	X
( <i>P. lucens</i> × <i>P. perfoliatus</i> )	...	—	—	—	—	—	X	—	X
<i>trichoides</i> ...	...	—	—	—	—	—	X	—	X
<i>x zizii</i> ...	...	—	—	—	—	—	X	—	X
( <i>P. gramineus</i> × <i>P. lucens</i> )	...	—	—	—	—	—	X	—	X
<i>Potentilla anglica</i> ...	...	—	—	—	—	—	X	—	X
<i>anserina</i> ...	...	—	—	—	—	—	X	—	X
<i>argentea</i> ...	...	—	—	—	—	—	X	—	X
<i>erecta</i> ...	...	—	—	—	—	—	X	—	X
<i>intermedia</i> ...	...	—	—	—	—	—	X	—	X
<i>norvegica</i> ...	...	—	—	—	—	—	X	—	X

				38	23	32	33	37	39	55	57	
Potentilla palustris	...	...	F	10	X	X	X	—	X	X	X	Withering : Arrangement 1801
recta	...	...	—	1	X	X	X	X	—	X	X	Wilkinson : Herb. B'ham Univ. 1881
reptans	...	...	F	38	X	X	X	X	X	X	X	Perry : List 1817
sterilis	...	...	F	29	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1867
tabernaemontani	...	...	—	—	—	—	—	—	X	—	X	Occasional : marshes and bogs
Poterium polygamum	...	...	F	4	X	X	X	X	X	X	X	Kirk : Herb. Perry 1849
sanguisorba	...	...	—	26	X	X	X	X	X	X	X	Perry : Herb. Perry 1825
Primula veris	...	...	F	36	X	X	X	X	X	X	X	Lloyd : Herb. Perry 1836
veris x vulgaris	...	...	F	11	X	X	X	X	X	X	X	Perry : Herb. Perry 1813
vulgaris	...	...	F	31	X	X	X	X	X	X	X	Bree : Mid. Fl. 1821
Prunella laciniata	...	...	—	—	X	X	X	X	X	—	—	Perry : Herb. Perry 1812
vulgaris	...	...	F	34	X	X	X	X	X	X	X	Cheshire : Herb. Perry 1837
Prunus avium	...	...	F	28	X	X	X	X	X	X	X	Rugby Sch. Rep : 1949
cerasifera	...	...	—	5	X	X	X	X	X	—	X	Baynes 1831 : Bagnall Fl. 1891
cerasus	...	...	F	10	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)
domestica	...	...	—	29	X	X	X	X	X	X	X	Young & Baker : Catalogue 1873
domes. ssp. domestica	...	...	F	4	X	X	X	X	X	X	X	Bywater : 1954
domes. ssp. insititia	...	...	F	13	X	X	X	X	X	X	X	Laflin : 1959
Iurocerasus	...	...	—	12	X	X	X	X	X	—	—	Cheshire 1851 : Bagnall Fl. 1891
lusitanica	...	...	—	3	X	—	—	—	—	—	—	Lowe : Herb. Perry 1837
padus	...	...	F	2	X	—	—	X	X	X	X	Ray : Hist. Plant. 1686
spinosa	...	...	—	39	X	X	X	X	X	X	X	Bromwich : Herb. Bag. 1890
Pteridium aquilinum	...	...	F	36	X	X	X	X	X	X	X	One record : ditch with effluent from coal mine
Puccinellia distans	...	...	F	1	X	X	X	X	X	X	X	
maritima	...	...	—	—	—	—	—	—	X	X	—	
rupestris	...	...	—	—	—	—	—	—	X	X	—	
Pulicaria dysenterica	...	...	F	27	X	X	X	X	X	X	X	Perry : Herb. Perry 1825
vulgaris	...	...	F	0	X	—	—	X	X	X	X	Withering : Arrangement 1796
Pulmonaria longifolia	...	...	—	—	—	—	—	—	X	X	—	
officinalis	...	...	F	3	X	X	X	X	X	X	X	Baynes : 1831 Bagnall Fl. 1891
Pyrola media	...	...	—	—	X	X	—	X	X	X	X	Kirk : Top. Bot. 1873
minor	...	...	F	0	X	—	—	X	X	X	X	Purton : Mid. Fl. 1817
rotundifolia	...	...	—	—	X	X	—	X	X	X	—	
Pyrus communis	...	...	F	21	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1873
Quercus cerris	...	...	—	26	X	X	X	X	X	X	X	Laflin : 1959
ilex	...	...	—	2	X	—	X	X	X	X	X	Bree : Mid. Fl. 1817
petraea	...	...	F	24	X	X	X	X	X	X	X	Bloomer : Proc. B.S.B.I. 1926
petraea x robur	...	...	F	3	X	—	X	X	X	X	X	Withering : Arrangement 1801
robur	...	...	F	37	X	X	X	X	X	X	X	
Radiola linoides	...	...	F	0	X	—	—	X	X	X	—	Purton : Mid. Fl. 1817
Ranunculus acris	...	...	—	—	X	X	X	X	X	X	—	Withering : Arrangement 1796
aquatilis agg.	...	...	F	24	X	X	X	X	X	X	X	
aquatilis	...	...	F	24	X	X	X	X	X	X	X	Perry : Herb. Perry 1812
auquat. x tricho.	...	...	—	2	X	—	—	—	—	—	—	Cadbury : 1950
arvensis	...	...	F	30	X	X	X	X	X	X	X	Perry : Herb. Perry 1812
auricomus	...	...	F	29	X	X	X	X	X	X	X	Perry : Herb. Perry 1813
baudotii	...	...	—	—	—	—	X	X	X	—	—	
bulbosus	...	...	F	38	X	X	X	X	X	X	X	Perry : Herb. Perry 1812
circinatus	...	...	F	9	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)

NAME C.T. & W. 2nd Edit.	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD	PRESENT POSITION	
			38	23	32	33	37	39	55	57	V.C. 38	
<i>Ranunculus ficaria</i> ... ...	F	38	X	X	X	X	X	X	X	X	West : Herb. B'ham. Univ. 1909	Abundant :
fic. ssp. <i>bulbifer</i> ...		23	X	—	—	—	X	—	—	—	Perry : Herb. Perry 1813	Frequent : } damp, shady places
fic. ssp. <i>ficaria</i> ...		22	X	—	—	—	—	—	—	—	Perry : Herb. Perry 1812	Frequent : }
<i>flamula</i> ssp. <i>flam.</i>	F	25	X	X	X	X	X	X	X	X	Ray : Catalogus 1670	Frequent : bogs, marshes and ditches
<i>fluitans</i> ... ...	F	3	X	X	X	X	X	X	X	X	Perry : Plant. Sel. 1820	Rare : swiftly flowing rivers
<i>hederaceus</i> ... ...	F	16	X	X	X	X	X	X	X	X	Freeman : Phytologist 1842	Occasional : mud and shallow water
<i>lingua</i> ... ...	F	5	X	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1873	Rare : edges of lakes
<i>omniophyllus</i> ... ...	F	2	X	—	—	—	X	X	X	X	Perry : Herb. Perry 1819	Rare : mud and shallow water (acid)
<i>ophioglossifolius</i>		—	—	—	—	—	—	—	—	—	Palmer : Herb. Oxf. Univ. 1853	
<i>parviflorus</i> ... ...	F	1	X	X	X	X	X	X	X	X	Bromwich : Young & Baker Cat. 1873	One record : open, sandy soil
<i>peltatus</i> ssp. <i>pelt.</i>	F	19	X	X	X	X	X	X	X	X	Perry : Herb. Perry 1812	Occasional : ponds, lakes and streams
<i>peltatus</i> ssp. <i>pseudofluitans</i> ...	F	8	X	X	X	X	X	X	X	X	Bromwich : Young & Baker Cat. 1873	Occasional : ponds, lakes and streams
<i>repens</i> ... ...	F	39	X	X	X	X	X	X	X	X	Perry : Herb. Perry 1812	Abundant : roadsides, grass, cult. and waste places
<i>sardous</i> ... ...	F	0	X	—	X	X	X	X	X	X	Bromwich : Bagnall Fl. 1891	Not recorded in present survey
<i>sceleratus</i> ... ...	F	35	X	X	X	X	X	X	X	X	Perry : Herb. Perry 1812	Abundant : mud and shallow water
<i>trichophyllum</i> ... ...	F	16	X	X	X	X	X	X	X	X	Palmer : Herb. Oxf. Univ. 1853	Occasional : ponds
<i>Raphanus raphanistrum</i> ... ...	F	35	X	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)	Abundant : cultivated and waste places
<i>Rapistrum rugosum</i> ... ...	—	4	X	X	—	X	—	X	X	X	McC. Webster 1958 : Rugby Flora Suppl. 1961	Rare : cultivated and waste places
<i>Reseda alba</i> ... ...	F	1	X	X	X	X	X	X	—	X	Kirk : Phytologist 1847	One record : rough grassland
<i>lutea</i> ... ...	F	21	X	X	X	X	X	X	X	X	Rugby Sch. Rep. 1868	Frequent : cultivated and waste places
<i>luteola</i> ... ...	F	30	X	X	X	X	X	X	X	X	Perry : List 1817	Abundant : roadsides and waste places
<i>Rhamnus catharticus</i> ... ...	F	32	X	X	X	X	X	X	X	X	Aylesford : Bot. Guide 1805	Abundant : woods, hedges especially on calc. soil
<i>Rhamnus minor</i> agg. ... ...	—	—	X	X	X	X	X	X	X	X		
<i>minor</i> ssp. <i>calcareus</i>	F	—	—	X	X	X	X	X	X	X		
<i>minor</i> ssp. <i>minor</i>	—	—	X	X	X	X	X	X	X	X		
<i>min. ssp. stenophylloides</i>	—	—	X	X	X	X	X	X	X	X		
<i>serotinus</i> ... ...	—	—	X	X	X	X	X	X	X	X		
<i>Rhododendron ponticum</i> ... ...	—	20	X	X	X	X	X	X	X	X	Shack : 1952	Frequent : naturalised in scrub and woods
<i>Rhynchosinapis cheiranthos</i> ...	—	1	X	X	X	X	X	X	X	X	Clark : 1963	One record : railway track
<i>monensis</i> ... ...	—	—	X	X	X	X	X	X	X	X		
<i>Rhynchospora alba</i> ... ...	F	0	X	—	X	X	—	—	—	—	Withering : Arrangement 1787	Not recorded in present survey
<i>Ribes alpinum</i> ... ...	F	0	X	—	X	X	—	—	—	—	Withering : Arrangement 1796	Not recorded in present survey
<i>nigrum</i> ... ...	F	19	X	X	X	X	X	X	X	X	Ray : Catalogus 1670	Occasional : woods, waterside and shaded ponds
<i>sylvestre</i> ... ...	F	27	X	X	X	X	X	X	X	X	Perry : Plant. Sel. 1820	Frequent : woods and hedgerows
<i>uva-crispa</i> ... ...	F	29	X	X	X	X	X	X	X	X	Putton : Mid. Fl. 1817	Frequent : woods and hedgerows
<i>Robinia pseudoacacia</i> ... ...	—	9	X	X	—	—	—	—	—	—	Arnold : 1955	Occasional : woods, hedges, roadsides; gen. planted
<i>Roemeria hybrida</i> ... ...	—	—	X	—	—	—	—	—	—	—		
<i>Rorippa amphibia</i> ... ...	—	27	X	X	X	X	X	X	X	X	Withering : Arrangement 1787	Frequent : sides of rivers, ponds and canals
<i>austriaca</i> ... ...	F	—	X	X	X	X	X	X	X	X	Perry : List 1817	
<i>islandica</i> ... ...	F	26	X	X	X	X	X	X	X	X	Palmer : Herb. Oxf. Univ. 1852	Frequent : sides of rivers, ponds and canals
<i>microphylla</i> ... ...	F	13	X	X	X	X	X	X	X	X	Perry : Herb. Perry 181-	Occasional : ditches and streams
<i>nasturtium-aquatum</i> , agg.	F	33	X	X	X	X	X	X	X	X	Eedes : Watsonia 1953	Abundant : ditches and streams
<i>nasturtium-aquaticum</i>	—	8	X	X	X	X	X	X	X	X	Bromwich : Herb. Warw. Mus. 1874	Under-recorded : ditches and streams
<i>nast. - aquat. x micro.</i>	—	6	X	—	—	—	—	—	—	—	Rare : with parents	
<i>sylvestris</i> ... ...	F	13	X	X	X	X	X	X	X	X	Bree : New Bot. Guide 1835	Occasional : mud and shallow water
<i>Rosa arvensis</i> ... ...	F	35	X	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)	Abundant : woods and hedges
<i>Rosa canina</i> agg. ... ...	F	37	X	X	X	X	X	X	X	X	Putton : Mid. Fl. 1817	Abundant : woods and hedges
<i>R. canina</i> ... ...	F	5	X	X	X	X	X	X	X	X	Bagnall : Fl. Sutton Pk. 1876	Under-recorded : woods and hedges

			38	23	32	33	37	39	55	57		
<b>Rosa canina agg.</b> —continued												
<i>R. dumalis</i> Bechst.		F	2	X	X	X	X	X	X	X	Bagnall : Fl. Sutton Pk. 1876	Under-recorded : hedges
sensu W.-Dod	...	F	1	X	—	—	—	—	—	—	Bronwick : Bagnall Fl. 1891	Under-recorded : hedges
<i>dumetorum</i> Thuill.	...	F	1	X	X	X	X	X	X	X	Bagnall : Flora 1891	Under-recorded : hedges and scrub
<i>glauca</i> Vill.	...	F	0	X	X	X	X	X	X	X	Baker : Bot. Exch. Club 1881	Not recorded in present survey
<i>obtusifolia</i>	...	F	1	X	X	X	X	X	X	X	Perry : List 1817	One record : calcareous scrub
<i>Rosa pimpinellifolia</i>		F	5	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817	Rare : calcareous scrub
<b>Rosa rubiginosa agg.</b>		F	5	X	X	X	X	X	X	X	Bree : Mid. Fl. 1821	Not recorded in present survey
<i>R. agrestis</i>	...	F	0	X	—	—	X	—	—	—	Kirk : Herb. Perry 1860	Not recorded in present survey
<i>elliptica</i>	...	F	0	X	X	X	X	X	X	X	Purton : Mid. Fl. 1821	Rare : calcareous scrub
<i>micrantha</i>	...	F	2	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817	Rare : calcareous scrub
<i>rubiginosa</i>	...	F	1	X	X	X	X	X	X	X	Hardaker : 1954	Rare : calcareous scrub
<i>Rosa rugosa</i>	...	F	3	X	—	X	X	—	—	—	Watson : Comp. Cyb. Brit. Suppl. 1872	Rare : garden escape
<i>stylosa</i>	...	F	1	X	—	X	X	—	—	—		One record : hedge on calcareous soil
<b>Rosa villosa agg.</b>		F	16	X	X	X	X	X	X	X		Occasional : hedgerows
<i>R. sherardii</i>	...	F	2	X	X	X	X	X	X	X	Bree : Mid. Fl. 1817	Rare : hedges
<i>tomentosa</i>	...	F	0	X	X	X	X	X	X	X	Purton : Mid. Fl. 1821	Not recorded in present survey
<i>villosa</i>	...	F	20	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1871	Frequent : grass and scrub mainly on calc. soil
<i>Rubus caesius</i>		F	34	X	—	X	X	X	X	X	Ray : Hist. Plant. 1688	Abundant : woods, hedges and waste places
<i>chamaemorus</i>	...	F	—	X	—	X	X	X	X	X		Abundant : woods and hedges
<i>idaeus</i>	...	F	—	X	—	X	X	X	X	X		
<i>saxatilis</i>	...	F	—	X	—	X	X	X	X	X		
<b>Rubus fruticosus agg.</b>		F	39	X	X	X	X	X	X	X	Baxter : M.S.1831 (Bagnall 1892/3)	
<i>R. albionis</i> W.Wats.	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1874	
<i>amplificatus</i> Lees	...	F	—	X	—	X	X	X	X	X	Ley : Herb. B'ham Univ. 1874	
<i>apiculatus</i> Weihe	...	F	—	X	—	X	X	X	X	X	Edens : 1963	
<i>arrheniformis</i> W.Wats.	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Brit. Mus. 1877	
<i>babingtonianus</i> W.Wats.	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Sheff. Univ. 1879	
<i>balfourianus</i> Blox. ex Bab.	...	F	—	X	—	X	X	X	X	X	Bloxam : Herb. Nat. Mus. Wales 1847	
<i>bloxamii</i> Lees	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1871	
<i>calvatus</i> Lees	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1885	
<i>cardiophyllus</i>	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1874	
<i>carpinifolius</i> Weihe	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1882	
<i>conjugens</i>	...	F	—	X	—	X	X	X	X	X	Woolman : 1954	
<i>crassifolius</i> Genov.	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. S. Lon. Bot. In. 1875	
<i>dasyphyllus</i> (Rogers)	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1876	
Druce	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Nat. Mus. Wales 1881	
<i>diversus</i> W.Wats.	...	F	—	X	—	X	X	X	X	X	Mills : Herb. Camb. Univ. 1949	
<i>drymophilus</i> Lef. & Muell.	...	F	—	X	—	X	X	X	X	X	Woolman : 1951	
<i>echinatooides</i> (Rogers)	...	F	—	X	—	X	X	X	X	X	Baker : Herb. Nat. Mus. Wales 1860	
Druce	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. B'ham Univ. 1896	
<i>echinatus</i> Lindl.	...	F	—	X	—	X	X	X	X	X	Edens : 1957	
<i>egregius</i> Focke	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1870	
<i>euryanthemus</i> W.Wats.	...	F	—	X	—	X	X	X	X	X	Riddelsdell : Fl. of Glos. 1948	
<i>falcatus</i> Kalt.	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1870	
<i>favonii</i> W.Wats.	...	F	—	X	—	X	X	X	X	X	Woolman : 1952	
<i>foliosus</i> Weihe	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Bag. 1870	
<i>fuscus</i> Weihe	...	F	—	X	—	X	X	X	X	X	Woolman : 1952	
<i>granulatus</i> Lef. & Muell.	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. B'ham Univ. 1879	
<i>gratus</i> Focke	...	F	—	X	—	X	X	X	X	X	Bagnall : Herb. Nat. Mus. Wales 1887	

NAME C.T. & W. 2nd Edit.	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT POSITION V.C. 38
			38	23	32	33	37	39	55	57	
<i>Rubus fruticosus</i> agg.—continued	—	—	X	X	—	—	X	—	X	—	Edees : 1956
<i>R. hylocharis</i> W.Wats. ...	—	—	X	X	—	—	X	—	X	—	Riddelsdell : Herb. Brit. Mus. 1915
<i>hylosum</i> Lef. & Muell.	—	—	X	X	—	—	X	—	X	—	Bagnall : Herb. Bag. 1878
<i>insectifolius</i> Lef. & Muell.	—	—	X	X	—	X	X	—	X	—	Thomas : 1950
<i>laciniatus</i> ... ...	—	—	X	X	—	X	—	X	X	—	Bagnall : Herb. Nat. Mus. Wales 1885
<i>leightonii</i> Lees ex Leighton	F	X	X	X	X	X	—	X	X	X	Kirk : Herb. Brit. Mus. 1854
<i>lindleianus</i> ... ...	F	X	X	X	X	X	X	X	X	X	Bagnall : Herb. B'ham Univ. 1892
<i>mercicus</i> Bagnall ... ...	F	—	X	X	—	—	X	—	X	X	Bagnall : Herb. Bag. 1876
<i>mucronulatus</i> Bor. ... ...	—	F	X	X	—	X	X	X	X	X	Bagnall : Herb. Nat. Mus. Wales 1880
<i>murrayi</i> Sudre ... ...	—	X	X	X	X	X	X	X	X	X	Woolman : 1959
<i>myrianthus</i> ... ...	F	X	X	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1881
<i>nemoralis</i> P. J. Muell. ...	—	X	X	X	X	X	X	X	X	X	Bagnall : Herb. Brit. Mus. 1876
<i>opacus</i> Focke ex Bertram	—	—	X	X	X	X	X	X	X	X	Bagnall : Herb. B'ham Univ. 1882
<i>pallidus</i> Weihe ... ...	F	X	X	X	X	X	X	X	X	X	Woolman : 1954
<i>plicatus</i> ... ...	F	X	X	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1871
<i>polyanthemus</i> ... ...	—	X	X	X	X	X	X	X	X	X	Edees : 1963
<i>pyramidalis</i> ... ...	—	F	X	X	X	X	X	X	X	X	Bagnall : Herb. Nat. Mus. Wales 1880
<i>rotundifolius</i> (Bab.) Blox.	—	—	X	—	—	—	X	—	X	—	Bagnall : Herb. Nat. Mus. Wales 1897
<i>rubritinctus</i> W.Wats. ...	—	—	X	X	—	—	X	X	—	X	Bagnall : Herb. Nat. Mus. Wales 1878
<i>rufescens</i> ... ...	—	—	X	X	—	X	X	X	X	X	Bagnall : Herb. Brit. Mus. 1880
<i>scaber</i> Weihe ... ...	—	F	X	X	—	X	X	X	X	X	Bagnall : Herb. Nat. Mus. Wales 1881
<i>scabripes</i> Genov. ... ...	—	X	X	—	—	X	X	X	X	X	Woolman : 1952
<i>scabrosus</i> ... ...	F	X	X	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1873
<i>scissus</i> W.Wats. ... ...	FF	X	X	X	X	X	X	X	X	X	Bloxam : Herb. Brit. Mus. 1847
<i>sprengelii</i> ... ...	FF	X	X	X	X	X	X	X	X	X	Kirk : Herb. Brit. Mus. 1852
<i>subulistris</i> ... ...	F	X	X	X	X	X	X	X	X	X	Bagnall : Herb. Nat. Mus. Wales 1885
<i>tuberculatus</i> Bab. ... ...	—	X	X	X	X	X	X	X	X	X	Woolman : 1952
<i>ulmifolius</i> ... ...	F	X	X	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1871
<i>vestitus</i> Weihe ... ...	F	X	X	X	X	X	X	X	X	X	Kirk : Herb. Brit. Mus. 1852
<i>winteri</i> P. J. Muell. ...	—	—	X	—	X	—	X	—	X	X	Bagnall : Herb. Brit. Mus. 1887
<i>Rumex acetosa</i> ... ...	F	38	X	X	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>acetosella</i> ... ...	F	37	X	X	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>alpinus</i> ... ...	F	—	X	X	X	X	X	X	X	X	Abundant : grassland and waste places
<i>conglomeratus</i> ... ...	F	36	X	X	X	X	X	X	X	X	Abundant : grassland, cult. and waste places
<i>crispus</i> ... ...	FF	38	X	X	X	X	X	X	X	X	Abundant : marshes and waterside
<i>crispus</i> $\times$ <i>obtusifolius</i> ...	F	7	X	X	X	X	X	X	X	X	Abund: grassland, cult. and waste places
<i>crispus</i> $\times$ <i>sanguineus</i> ...	—	—	X	X	X	X	X	X	X	X	Occasional : with parents
<i>hydropathicum</i> ... ...	F	26	X	X	X	X	X	X	X	X	Frequent : sides of lakes, streams and canals
<i>longifolius</i> ... ...	—	—	X	X	X	X	X	X	X	X	Rare : sides of lakes and ponds
<i>maritimus</i> ... ...	F	4	X	X	X	X	X	X	X	X	Abundant : grassland and waste places
<i>obtusifolius</i> ... ...	F	39	X	X	X	X	X	X	X	X	
<i>obtusifolius</i> $\times$ <i>sang.</i> ...	—	—	X	X	X	X	X	X	X	X	
<i>obtus. x patientia</i> ... ...	—	—	X	X	X	X	X	X	X	X	
<i>palustris</i> ... ...	—	—	X	X	X	X	X	X	X	X	

Withering : Arrangement 1787  
 Lloyd : Hist. Plant. 1686  
 Ray : M.S. 1831 (Bagnall 1892/3)  
 Baxter : M.S. 1831 (Bagnall 1892/3)

				38	23	32	33	37	39	55	57		
<i>Rumex patientia</i>	...	...	—	—	X	X	X	X	X	X	X	Bromwich : Herb. B'ham Univ. 1870	
<i>pulcher</i>	...	...	F	2	X	X	X	X	X	X	X	Perry : Plant. Sel. 1820	Two records : grassland
<i>sanguineus</i>	...	...	F	37	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1873	Abundant : damp shady places
<i>tenuifolius</i>	...	...	—	2	X	X	X	X	X	X	X	Ruby Sch. Rep. 1867	Two records : dry sandy places
<i>Ruscus aculeatus</i>	...	...	—	3	X	X	X	X	X	X	X		Rare : naturalised in woods
<i>Sagina apetala</i>	...	...	F	26	X	X	X	X	X	X	X	Aylesford : Hb. Oxf. Univ. pre 1832	Frequent : walls, grassland, cult. and waste places
<i>ciliata</i>	...	...	F	12	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1869	Occasional : walls, dry, grassy and bare places
<i>nodosa</i>	...	...	F	1	X	X	X	X	X	X	X	Stokes : Withering's Arr. 1787	Rare : marshes and bogs
<i>procumbens</i>	...	...	F	33	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)	Abundant : walls, grassland, cult. and waste places
<i>subulata</i>	...	...	—	—	X	X	X	X	X	X	X		
<i>Sagittaria sagittifolia</i>	...	...	F	20	X	X	X	X	X	X	X	Perry : Herb. Perry 1812	Frequent : canals and slow rivers
<i>Salix alba</i>	...	...	F	37	X	X	X	X	X	X	X	Perry : Plant. Sel. 1820	Abundant : waterside and other damp places
<i>alba x fragilis</i>	...	...	—	16	X	X	X	X	X	X	X	Brightwell : Herb. Bag. 1862	Occasional : damp places
<i>aurita</i>	...	...	F	22	X	X	X	X	X	X	X	Purton : Mid. Fl. 1821	Frequent : damp woods and grassy places, chiefly acid
<i>aur. x ciner. ssp. atro.</i>	...	...	—	10	X	X	X	X	X	X	X	Woolman : 1955	Occasional : waterside
<i>babyonica</i>	...	...	—	4	X	X	X	X	X	X	X	Gough : 1955	Rare : planted
<i>caledondron</i>	...	...	F	0	X	X	X	X	X	X	X	Baker : Herb. B'ham Univ. 1876	Not recorded in present survey
<i>caprea</i> ssp. <i>caprea</i>	...	...	F	33	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)	Abundant : woods and hedges
<i>cap. x cin. ssp. acro.</i>	...	...	—	7	X	X	X	X	X	X	X	Bromwich : Herb. Bag. 1873	Occasional : woods and hedges
<i>caprea x vitinalis</i>	...	...	F	12	X	X	X	X	X	X	X	Bromwich : Herb. Bag. 1878	Occasional : hedges and waterside
<i>cineraria</i>	...	...	—	—	X	X	X	X	X	X	X	Cadbury : 1963	One record : between ssp. cin. and ssp. atro.
<i>cineraria</i> ssp. <i>atrocineraria</i>	...	...	F	36	X	X	X	X	X	X	X	Purton : Mid. Fl. 1821	Abundant : woods, hedges and waterside
<i>cin. ssp. atro. x vim.</i>	...	...	F	10	X	X	X	X	X	X	X	Kirk : Herb. Perry 1854	Occasional : waterside and hedges
<i>x forbyana</i>	...	...	—	1	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1885	Not recorded in present survey
( <i>cin. x purp. x vim.</i> )	...	...											
<i>fragilis</i>	...	...	F	38	X	X	X	X	X	X	X	Kirk : Herb. Perry 1849	Abundant : waterside and other damp places
var. <i>decipiens</i> (Hoffm.) Koch	...	...	F	1	X	—	—	—	—	—	—	Kirk : Herb. Perry 1849	One record : waterside
var. <i>russelliana</i> (Sm.) Koch	...	...	F	4	X	—	—	—	—	—	—	Kirk : Herb. B'ham Univ. 1854	Rare : waterside
<i>x laurina</i> Sm.	...	...	F	0	X	—	—	—	—	—	—	Bromwich : 1873 : B.E.C. Rep. 1875	Not recorded in present survey
<i>nigricans</i>	...	...	—	—	X	X	X	X	X	X	X	Purton : Mid. Fl. 1821	Rare : marsh and waterside
<i>pentandra</i>	...	...	F	6	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817	Occasional : damp woodlands and waterside
<i>purpurea</i>	...	...	F	18	X	X	X	X	X	X	X	Bree : Mid. Fl. 1821	Rare : marshes
<i>repens</i>	...	...	F	3	X	X	X	X	X	X	X	Purton : Mid. Fl. 1821	Occasional : waterside
<i>triandra</i>	...	...	F	15	X	X	X	X	X	X	X	Purton : Mid. Fl. 1821	One record : riverside
<i>triandra x vitinalis</i>	...	...	—	1	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)	Abundant : waterside and marsh
<i>viminalis</i>	...	...	F	33	X	X	X	X	X	X	X	Benoit : 1963	One record : introduced with sea-sand
<i>Salsola kali</i>	...	...	—	1	X	X	X	X	X	X	X	Withering : Arrangement 1796	One record : grassy bank in village
<i>Salvia horminoides</i>	...	...	F	1	X	X	X	X	X	X	X	Boiton King : Hb. Br. Mus. 1880	Not recorded in present survey
<i>pratensis</i>	...	...	F	0	X	X	X	X	X	X	X		
<i>verticillata</i>	...	...	—	—	X	X	X	X	X	X	X		
<i>Sambucus ebulus</i>	...	...	F	3	X	X	X	X	X	X	X	Withering : Arrangement 1796	Rare : hedgerows
<i>nigra</i>	...	...	F	38	X	X	X	X	X	X	X	Withering : Arrangement 1787	Abundant : woods and hedges
<i>racemosa</i>	...	...	—	—	X	X	X	X	X	X	X		
<i>Samolus valerandi</i>	...	...	F	4	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817	Rare : marsh and waterside
<i>Sanguisorba officinalis</i>	...	...	F	29	X	X	X	X	X	X	X	Perry : Lise 1817	Frequent : damp meadows and marshes
<i>Sanicula europaea</i>	...	...	F	24	X	X	X	X	X	X	X	Perry 1813 : Bag. Fl. 1891	Frequent : woods, often on calcareous soil
<i>Saponaria officinalis</i>	...	...	F	11	X	X	X	X	X	X	X	Purton : Mid. Fl. 1817	Occasional : roadsides and waste places
<i>Sarrothamnus scoparius</i>	...	...	F	26	X	X	X	X	X	X	X	Ick : Analyst 1837	Frequent : roadsides, banks and scrub (non-calc.)
<i>Saxifraga cymbalaria</i>	...	...	F	1	X	X	X	X	X	X	X	Cooper : 1964	One record : damp rock
<i>granulata</i>	...	...	F	20	X	X	X	X	X	X	X	Withering : Arrangement 1801	Occasional : grassland, railway banks, chiefly calc.

NAME C.T. & W. 2nd Edit.	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT POSITION V.C. 38	
			38	23	32	33	37	39	55	57		
<i>Saxifraga hypnoides</i> ... ...	—	0	X	—	X	—	X	—	X	—	X	Not recorded in present survey
<i>tridactylites</i> ... ...	—	10	X	X	X	X	X	X	X	X	X	Occasional : limestone walls
<i>Scabiosa columbaria</i> ... ...	—	8	X	X	X	X	X	X	X	X	X	Occasional : calcareous grassland
<i>Sandix pecten-veneris</i> ... ...	—	19	X	X	X	X	X	X	X	X	X	Occasional : cult. land on calcareous soil
<i>Schoenoplectus lacustris</i> ... ...	—	24	X	X	X	X	X	X	X	X	X	Frequent : lakes, canals, and slow rivers
<i>tabernaemontani</i> ... ...	—	1	X	X	X	X	X	X	X	X	X	Rare : saline springs
<i>Schoenus nigricans</i> ... ...	—	0	X	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>Scirpus maritimus</i> ... ...	—	2	X	—	X	X	X	X	—	—	X	Two records : saline springs
<i>sylvaticus</i> ... ...	—	16	X	X	X	X	X	X	X	X	X	Occasional : marshes, streamsides and damp woods
<i>Scleranthus annuus</i> ... ...	—	21	X	X	X	—	X	X	X	X	X	Frequent : dry grassland, cult. and waste places
<i>Scorzonera humilis</i> ... ...	—	1	X	X	X	—	X	X	X	X	X	One record : grassland
<i>Scrophularia aquatica</i> ... ...	—	34	X	X	X	—	X	X	X	X	X	Abundant : waterside, marshes and damp woods
<i>nodosa</i> ... ...	—	34	X	X	X	—	X	X	X	X	X	Abundant : marshes and damp woods
<i>umbrosa</i> ... ...	—	0	X	—	X	X	X	X	X	X	X	Not recorded in present survey
<i>vernalis</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>Scutellaria galericulata</i> ... ...	—	32	X	X	X	X	X	X	X	X	X	Abundant : waterside and marshes
<i>galer. x minor</i> ... ...	—	0	X	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>minor</i> ... ...	—	3	X	X	X	X	X	X	X	X	X	Rare : marshes and bogs
<i>Sedum acre</i> ... ...	—	29	X	X	X	X	X	X	X	X	X	Frequent : walls and dry banks
<i>album</i> ssp. <i>album</i> ... ...	—	10	X	X	X	X	X	X	X	X	X	Occasional : garden escape
<i>anglicum</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>dasyphyllum</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>forsterianum</i> ... ...	—	0	X	X	X	X	X	X	X	X	X	—
<i>reflexum</i> ... ...	—	6	X	X	X	X	X	X	X	X	X	—
<i>sexangulare</i> ... ...	—	0	X	X	X	X	X	X	X	X	X	—
<i>spurium</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>telephium</i> ... ...	—	8	X	X	X	X	X	X	X	X	X	—
<i>Selaginella selaginoides</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>Sempervivum tectorum</i> ... ...	—	3	X	X	X	X	X	X	X	X	X	Occasional : woods and hedges
<i>Sentio aquaticus</i> ... ...	—	28	X	X	X	X	X	X	X	X	X	Rare : walls
<i>erucifolius</i> ... ...	—	32	X	X	X	X	X	X	X	X	X	Frequent : marshes and waterside
<i>fluvialis</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	Abundant : dry grassy and waste places especially calc.
<i>integrifolius</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>jacoeba</i> ... ...	—	34	X	X	X	X	X	X	X	X	X	—
<i>x londinensis</i> Lousley ... ...	—	1	X	—	X	X	X	X	X	X	X	—
<i>(squol. x visc.)</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>squalidus</i> ... ...	—	31	X	X	X	X	X	X	X	X	X	Abundant : poor grassland and waste places
<i>squalidus x vulgaris</i> ... ...	—	0	X	X	X	X	X	X	X	X	X	One record : waste place
<i>sylvaticus</i> ... ...	—	19	X	X	X	X	X	X	X	X	X	—
<i>sylvaticus x viscosus</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>viscosus</i> ... ...	—	26	X	X	X	X	X	X	X	X	X	Abundant : walls, roadsides, railways, waste places
<i>vulgaris</i> ... ...	—	38	X	X	X	X	X	X	X	X	X	Not recorded in present survey
<i>vulgaris var. <i>radiatus</i></i> ... ...	—	12	X	X	X	X	X	X	X	X	X	Frequent : grass, woods, hedgerows; dry non-calc. soil
<i>Serratula tinctoria</i> ... ...	—	18	X	X	X	X	X	X	X	X	X	—
<i>Setaria italica</i> ... ...	—	3	X	X	X	X	X	X	X	X	X	—
<i>lutescens</i> ... ...	—	1	X	X	X	X	X	X	X	X	X	—
<i>verticillata</i> ... ...	—	—	—	—	—	—	—	—	—	—	—	—
<i>viridis</i> ... ...	—	2	X	X	X	X	X	X	X	X	X	—
<i>Sherardia arvensis</i> ... ...	—	29	X	X	X	X	X	X	X	X	X	—
<i>Sieglina decumbens</i> ... ...	—	14	X	X	X	X	X	X	X	X	X	—
<i>Cheshire</i> : Herb. Perry 1856	—	—	—	—	—	—	—	—	—	—	—	Two records : cultivated fields
<i>Perry</i> : Herb. Perry 1812	—	—	—	—	—	—	—	—	—	—	—	Frequent : cultivated and waste places
<i>Portun</i> : Mid. Fl. 1817	—	—	—	—	—	—	—	—	—	—	—	Occasional : heath and wet grassland

			38	23	32	33	37	39	55	57	
<i>Silaum silaus</i> ...	...	...	F	27	X	X	X	X	X	X	Bree : New Bot. Guide 1835
<i>Silene alba</i> ...	...	...	F	38	X	X	X	X	X	X	Baxter : M.S.1831 (Bagnall 1892/3)
<i>alba x dioica</i> ...	...	...		10	X	X	X	X	X	X	Hardaker : 1954
<i>conica</i> ...	...	...			X	X	X	X	X	X	
<i>dioica</i> ...	...	...			X	X	X	X	X	X	
<i>gallica</i> ...	...	...	F	36	X	X	X	X	X	X	Bree : Mag. Nat. Hist. 1828
<i>maritima</i> ...	...	...		0	X	X	X	X	X	X	Kirk : Herb. Perry 1860
<i>noctiflora</i> ...	...	...			X	X	X	X	X	X	
<i>nutans</i> ...	...	...	F	8	X	X	X	X	X	X	Baxter : M.S.1831 (Bagnall Fl.1891)
<i>otites</i> ...	...	...		0	X	X	X	X	X	X	Coswell : Bag. Fl. 1891
<i>vulgaris</i> ...	...	...			X	X	X	X	X	X	
<i>Silybum marianum</i> ...	...	...	F	26	X	X	X	X	X	X	Ick : Analyst 1837
<i>Sinapis alba</i> ...	...	...	F	1	X	X	X	X	X	X	Perry : List 1817
<i>arvensis</i> ...	...	...	F	17	X	X	X	X	X	X	Purton : Mid. Fl. 1817
<i>Sison amomum</i> ...	...	...	F	36	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>Sisymbrium altissimum</i> ...	...	...	F	21	X	X	X	X	X	X	Lowe : Herb. Perry 1834
<i>irio</i> ...	...	...			X	X	X	X	X	X	Druce : Com. Fl. 1932
<i>officinale</i> ...	...	...	F	38	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>orientale</i> ...	...	...		22	X	X	X	X	X	X	Burges : Herb. Burges 1934
<i>Sisyrinchium bermudiana</i> ...	...	...			X	X	X	X	X	X	
<i>Sium latifolium</i> ...	...	...			X	X	X	X	X	X	
<i>Smyrnium olusatrum</i> ...	...	...			X	X	X	X	X	X	
<i>Solanum dulcamara</i> ...	...	...	F	38	X	X	X	X	X	X	Perry : Herb. Perry 1812.
<i>nigrum</i> ...	...	...	F	30	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>sarrachoides</i> ...	...	...		1	X	X	X	X	X	X	Roberts : 1959
<i>Solidago canadensis</i> ...	...	...		15	X	X	X	X	X	X	Burges : Herb. Burges 1943
<i>Sonchus arvensis</i> ...	...	...	F	12	X	X	X	X	X	X	Perry : List 1817
<i>asper</i> ...	...	...	F	38	X	X	X	X	X	X	Perry : List 1817
<i>oleraceus</i> ...	...	...	F	37	X	X	X	X	X	X	Rugby Sch. Rep. : 1868
<i>palustris</i> ...	...	...			X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>Sorbus aria</i> ...	...	...	F	10	X	X	X	X	X	X	Bagnall : Herb. Bag. 1873
<i>aria x acuparia</i> ...	...	...		0	X	X	X	X	X	X	Bagnall : Herb. Bag. 1875
<i>acuparia</i> ...	...	...	F	31	X	X	X	X	X	X	Bree : Mid. Fl. 1821
<i>domestica</i> ...	...	...			X	X	X	X	X	X	
<i>intermedia</i> ...	...	...		1	X	X	X	X	X	X	Arnold : 1963
<i>rupicola</i> ...	...	...			X	X	X	X	X	X	
<i>terminalis</i> ...	...	...			X	X	X	X	X	X	
<i>Sparganium emersum</i> ...	...	...	F	12	X	X	X	X	X	X	Purton : Mid. Fl. 1817
<i>erectum agg.</i> ...	...	...	F	22	X	X	X	X	X	X	Purton : Mid. Fl. 1817
<i>ere. var. erectum</i> ...	...	...		32	X	X	X	X	X	X	Perry : Herb. Perry 1813
<i>ere. var. microcarpum</i> ...	...	...	F	12	X	X	X	X	X	X	Bagnall : Fl. Sutton Pk. 1876
<i>ere. var. neglectum</i> ...	...	...		1	X	X	X	X	X	X	
<i>minimum</i> ...	...	...	F	0	X	X	X	X	X	X	Bagnall : 1885 : Flora 1891
<i>Spartina townsendii</i> ...	...	...			X	X	X	X	X	X	Aylesford : Bot. Guide 1805
<i>Spergula arvensis</i> ...	...	...	F	34	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>arvensis var. sativa</i> ...	...	...	F	1	X	X	X	X	X	X	Bagnall : Herb. Bag. 1886
<i>Spergularia marina</i> ...	...	...			X	X	X	X	X	X	
<i>rubra</i> ...	...	...	F		X	X	X	X	X	X	Purton : Mid. Fl. 1817
<i>Spiraea salicifolia</i> ...	...	...		19	X	X	X	X	X	X	Goodman : 1955
<i>Spiranthes spiralis</i> ...	...	...		5	X	X	X	X	X	X	Perry : List 1817
<i>Stachys annua</i> ...	...	...	F	0	X	X	X	X	X	X	Bagnall : Herb. Bag. 1877
<i>arvensis</i> ...	...	...		1	X	X	X	X	X	X	Cheshire : Herb. Perry 1854
			F	17	X	X	X	X	X	X	Occasional : cultivated and waste places

Frequent : hedgerows, rough grass, especially calc.

Abundant : hedgerows and cultivated fields

Occasional : with parents

Abundant : woods and hedgerows

Not recorded in present survey

Occasional : cultivated and waste places

Not recorded in present survey

Frequent : roadsides, grassy banks and waste places

One record : waste place

Occasional : cultivated fields on calc. soil

Abundant : cultivated and waste places

Frequent : grass and hedgerows on calcareous soil

Occasional : waste places

Abundant : hedgerows, cult. and waste places

Frequent : roadsides and waste places

Abundant : woods, hedges and waterside

Frequent : cultivated and waste places

One record : cultivated field

Occasional : roadsides and waste places

Occasional : dry banks, woods and hedgerows

Abundant : roadsides, cultivated and waste places

Abundant : roadsides, cultivated and waste places

Abundant : roadsides and cultivated places

Occasional : probably always planted

Not recorded in present survey

Abundant : woods and hedges

Occasional : woods and hedges

Frequent : ponds, canals and slow-flowing rivers

Abundant : ponds, canals and slow rivers

Under-recorded : ponds, canals and slow rivers

Under-recorded : ponds, canals and slow rivers

Not recorded in present survey

Abundant : cultivated and waste places

Under-recorded : cult. and waste places

Occasional : sandy and gravelly places

Rare : naturalized in woods, hedges, waste places

Not recorded in present survey

One record : cultivated field

Occasional : cultivated and waste places



			38	23	32	33	37	39	55	57	
<i>Thelypteris palustris</i> ...	...	F	0	X	X	X	—	X	—	—	Bree : Mid. Fl. 1817
<i>phegopteris</i>		—	—	—	—	—	—	—	—	—	
<i>robertiana</i>		—	1	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1866
<i>Thesium humifusum</i> ...	...	—	—	X	X	X	—	X	X	X	
<i>Thlaspi alliacaeum</i> ...	...	—	—	—	—	X	—	—	—	X	
<i>alpestre</i>	...	—	—	—	—	—	—	—	—	X	
<i>arvense</i>	...	F	29	X	X	X	X	X	X	X	
<i>perfoliatum</i>	...	—	—	—	—	—	—	—	—	X	
<i>Thymus drucei</i> ...	...	—	17	X	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>pulegioides</i>	...	F	1	X	X	X	X	X	X	X	Brunswick : Herb. Perry 1853
<i>Tilia cordata</i> ...	...	F	15	X	X	X	X	X	X	X	Bromwich : Herb. Warw. Mus. 1875
<i>x europea</i>	...	FF	33	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1868
<i>platyphyllum</i>	...	FF	5	X	X	X	X	X	X	X	Watson : Comp. Cyb. Brit. 1870
<i>tomentosa</i> Moench.		—	2	X	—	—	—	—	—	—	Jones : 1960
<i>Tofieldia pusilla</i> ...	...	—	—	—	—	—	—	—	—	—	
<i>Torilis arvensis</i> ...	...	F	8	X	X	X	X	X	X	X	Perry : Herb. Perry 1815
<i>japonica</i>	...	FF	38	X	X	X	X	X	X	X	Baxter : M.S. 1831 (Bagnall 1892/3)
<i>nodosa</i>	...	F	9	X	X	X	X	X	X	X	Putton : Mid. Fl. 1817
<i>Trachystemon orientalis</i> ...	...	—	1	X	—	—	—	—	—	—	Bryer : Herb. Warw. Mus. 1956
<i>Tragopogon porrifolius</i> ...	...	FF	0	X	—	X	X	X	X	X	Putton : Mid. Fl. 1817
<i>pratensis</i>	...	FF	38	X	X	X	X	X	X	X	Perry : Herb. Perry 1824
<i>prat. ssp. minor</i>	...	—	22	X	X	—	X	X	X	X	Bromwich : Herb. Bag. 1885
<i>prat. ssp. pratensis</i>	...	—	2	X	—	X	—	—	—	—	
<i>Trichophorum caespitosum</i> ...	...	F	2	X	—	—	X	X	X	X	Ray : Catalogus 1670
<i>ssp. germanicum</i>		—	—	—	—	—	—	—	—	—	
<i>Trientalis europaea</i> ...	...	—	16	X	—	X	X	X	X	X	Putton : Mid. Fl. 1817
<i>Trifolium arvense</i> ...	...	FF	1	X	X	X	X	X	X	X	Bagnall : Fl. of Sutton Pk. 1876
<i>aureum</i>	...	FF	32	X	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>campestre</i>	...	FF	37	X	X	X	X	X	X	X	Perry : Herb. Perry 1812
<i>dubium</i>	...	FF	13	X	X	X	X	X	X	X	Putton : Mid. Fl. 1817
<i>fragiferum</i>	...	FF	37	X	X	X	X	X	X	X	Rugby Sch. Rep. : 1867
<i>glomeratum</i>	...	FF	4	X	X	X	X	X	X	X	Bagnall : Herb. Bag. 1868
<i>hybridum</i>	...	FF	31	X	X	X	X	X	X	X	Perry : Herb. Perry 1813
<i>incarnatum</i>	...	FF	10	X	X	X	X	X	X	X	Aylesford : 1810 : fide Bagnall M.S. note in his copy of Flora
<i>medium</i>	...	FF	—	—	—	—	—	—	—	—	
<i>micranthum</i>	...	FF	—	—	—	—	—	—	—	—	
<i>ochroleucum</i>	...	—	—	—	—	X	X	—	X	X	
<i>ornithopodioides</i>	...	—	—	—	—	X	X	—	X	X	
<i>pratense</i>	...	FF	39	X	X	X	X	X	X	X	Lloyd : Herb. Perry 1835
<i>repens</i>	...	FF	39	X	X	X	X	X	X	X	Perry : Herb. Perry 1822
<i>resupinatum</i>	...	FF	0	X	X	X	X	X	X	X	Caswell : Bag. Flora 1891
<i>scabrum</i>	...	FF	1	X	X	X	X	X	X	X	Kirk : Top. Bot. 1873
<i>striatum</i>	...	FF	10	X	X	X	X	X	X	X	Ray : Catalogus 1670
<i>subterraneum</i>	...	FF	2	X	—	X	—	X	X	X	Bromwich : Herb. Bag. 1873
<i>Triglochin maritima</i> ...	...	—	—	—	—	—	—	X	—	X	
<i>palustris</i>	...	FF	19	X	X	X	X	X	X	X	Withering : Arrangement 1787
<i>Tripleurospermum maritimum</i>		FF	39	X	X	X	X	X	X	X	Perry : Herb. Perry 1820
<i>Trisetum flavescens</i> ...	...	F	36	X	X	X	X	X	X	X	Perry : Herb. Perry 1811
<i>Trollius europaeus</i> ...	...	—	—	—	—	—	—	—	—	—	
<i>Tulipa sylvestris</i> ...	...	F	0	X	X	X	X	X	X	X	Bree : Mid. Fl. 1817
<i>Turritis glabra</i> ...	...	F	0	X	X	—	X	X	X	X	Roy : Catalogus 1670
<i>Tussilago farfara</i> ...	...	FF	38	X	X	X	X	X	X	X	Perry : Herb. Perry 1813



			38	23	32	33	37	39	55	57		
<i>Valonisneria spiralis</i>	...	...	F	0	X	X	X	X	X	X	—	Anon: Herb. Perry 1860
<i>Verbascum blattaria</i>	...	...	F	7	X	X	X	X	X	X	X	Perry: List 1817
<i>lychnitis</i>	...	...	F		X	X	X	—	—	—	X	Andrews & Townsend: 1954
<i>nigrum</i>	...	...	F		X	X	X	X	X	X	X	Bagnall: Herb. Bag. 1869
<i>phlomoides</i>	...	...	—	1	X	X	X	X	X	X	X	Bromwich: Hb. B'ham Univ. 1873
<i>speciosum</i>	...	...	—	1	X	X	X	X	X	X	X	Perry: List 1817
<i>thapsus</i>	...	...	F	29	X	X	X	X	X	X	X	Perry: Herb. Perry 1813
<i>virgatum</i>	...	...	F	29	X	X	X	X	X	X	X	Bagnall: Herb. Bag. 1875
<i>Verbenia officinalis</i>	...	...	F	1	X	X	X	X	X	X	X	Baxter: M.S. 1831 ( <i>Bagnall</i> 1892/3)
<i>Veronica agrestis</i>	...	...	F	28	X	X	X	X	X	X	X	Lloyd: Herb. Perry 1835
<i>anagallis-aquatica</i>	...	...	F	10	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>arvensis</i>	...	...	F	35	X	X	X	X	X	X	X	Townsend: 1954
<i>beccabunga</i>	...	...	F	38	X	X	X	X	X	X	X	Baxter: M.S. 1831 ( <i>Bagnall</i> 1892/3)
<i>carenaria</i>	...	...	—	26	X	X	X	X	X	X	X	Bree: Mag. Nat. Hist. 1830
<i>chamaedrys</i>	...	...	F	39	X	X	X	X	X	X	X	Porton: Mid. Fl. 1817
<i>filiformis</i>	...	...	—	17	X	X	X	X	X	X	X	Kirk: Phytologist 1847
<i>hederifolia</i>	...	...	F	35	X	X	X	X	X	X	X	Bagnall: Herb. Bag. 1873
<i>montana</i>	...	...	F	23	X	X	X	X	X	X	X	Withering: Arrangement 1796
<i>officinalis</i>	...	...	F	24	X	X	X	X	X	X	X	Kirk: Herb. Perry 1833
<i>persica</i>	...	...	F	37	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>polita</i> ...	...	...	F	23	X	X	X	X	X	X	X	Townsend: 1954
<i>scutellata</i>	...	...	F	9	X	X	X	X	X	X	X	Baxter: M.S. 1831 ( <i>Bagnall</i> 1892/3)
<i>scut. var. villosa</i>	...	...	F	1	X	X	X	X	X	X	X	Bree: Mag. Nat. Hist. 1830
<i>ser. serpyllifolia</i> ssp. <i>ser.</i>	...	...	F	33	X	X	X	X	X	X	X	Porton: Mid. Fl. 1817
<i>ser. ssp. humifusa</i>	...	...	—	—	—	—	—	—	—	—	X	Kirk: Herb. Perry 1833
<i>Viburnum lantana</i>	...	...	F	23	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>opulus</i>	...	...	F	33	X	X	X	X	X	X	X	Withering: Arrangement 1830
<i>Vicia bithynica</i>	...	...	—	—	—	—	—	—	—	—	X	Perry: Herb. Perry 181-
<i>cracca</i>	...	...	F	35	X	X	X	X	X	X	X	Frequent: woods and hedges mainly on calc. soil
<i>hirsuta</i>	...	...	F	35	X	X	X	X	X	X	X	Abundant: woods and hedges, especially on damp soils
<i>hybrida</i>	...	...	—	0	X	—	—	—	—	—	X	Abundant: rough grassland and hedges
<i>lathyroides</i>	...	...	F	0	X	—	—	—	—	—	X	Abundant: grassland, cult. and waste places
<i>lutea</i>	...	...	—	1	X	—	—	—	—	—	X	Not recorded in present survey
<i>orobus</i>	...	...	—	—	—	—	—	—	—	—	X	Not recorded in present survey
<i>sativa</i> ssp. <i>angustifolia</i>	...	...	F	31	X	X	X	X	X	X	X	Abundant: grassland, hedgerows, waste places
<i>sativa</i> ssp. <i>sativa</i>	...	...	F	37	X	X	X	X	X	X	X	Abundant: grassland, cultivated and waste places
<i>sepium</i>	...	...	F	35	X	X	X	X	X	X	X	Abundant: rough grassland and hedgerows
<i>sylvatica</i>	...	...	F	0	X	X	X	X	X	X	X	Not recorded in present survey
<i>tenuifolia</i>	...	...	—	2	X	X	—	X	X	—	X	Dawson: 1962
<i>tenuissima</i>	...	...	F	3	X	X	—	X	X	—	X	Palmer: Herb. Oxf. Univ. 1854
<i>tetrasperma</i>	...	...	F	29	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>Vinca major</i>	...	...	—	15	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>minor</i>	...	...	F	17	X	X	X	X	X	X	X	Porton: Mid. Fl. 1817
<i>Viola arvensis</i>	...	...	—	37	X	X	X	X	X	X	X	Withering: Arrangement 1801
<i>canina</i>	...	...	F	3	X	X	X	X	X	X	X	Perry: Herb. Perry 1812
<i>canina x riviniana</i>	...	...	F	1	X	—	—	—	—	—	X	Bromwich: Herb. Perry 1857
<i>hirta</i> ssp. <i>hirta</i>	...	...	F	20	X	—	X	X	X	X	X	Woolman: 1954
<i>hirta</i> ssp. <i>calcarea</i>	...	...	—	—	X	—	X	X	—	X	X	Perry: Herb. Perry 1824
<i>hirta x odorata</i>	...	...	F	2	X	—	X	X	—	X	X	Bagnall: Herb. Bag. 1894
<i>lactea</i>	...	...	F	0	X	—	—	—	—	—	X	Kirk: Herb. Perry 1857
<i>lutea</i>	...	...	—	—	—	—	—	—	—	—	X	Withering: Arrangement 1796
<i>odorata</i>	...	...	F	30	X	—	X	X	X	X	X	Withering: Arrangement 1787
<i>palustris</i>	...	...	F	9	X	—	X	—	X	X	X	Abundant: woods, hedgerows, especially on calc. soil
												Occasional: bogs and marshes



## PART (2) – BRYOPHYTES

by *T. Laflin*

### Introduction

The bryophyte survey has not been conducted in the same systematic way as has that of the vascular plants, mainly because of the small number of botanists interested in these plants and the amount of microscopic examination of specimens which is necessary for correct identification. With the limited time that it has been possible to devote to the survey, it was considered better to spend more time in the areas with a greater variety of habitats than in those parts where a large proportion of the land is either highly cultivated or built over. This has allowed examination of a good cross-section of the habitats in the county and, although it has produced a less even picture of our bryophytes than of our vascular plants, it has probably given the best possible picture in the time available for study.

Recording has been done continuously since November, 1956. In the early years I did this alone but, since 1960, a number of other botanists have interested themselves in this group of plants and recorded them, and a number of people working on the flowering plants have made collections from 1-kilometre squares which they were studying and sent them for naming. My own records from squares I have surveyed have included lists of species from different habitats in the squares, their frequency and whether fruiting, sterile, with male flowers or with gemmae. The frequency records have been made subjectively and have followed a usual system of categories, viz. dominant (d) where the plant exceeded all others in the habitat; co-dominant (co-d) where it shared this feature with another plant or plants; abundant (a) where it grew in large numbers in the habitat; frequent (f) where it grew in moderate numbers throughout the habitat; occasional (o) where a few plants grew in a number of places; and rare (r) where only one or two colonies of a few plants were found. Where a plant occurred only over a limited area of the habitat the word local (l) was used in conjunction with the frequency description. Separate lists have been kept for each 1-kilometre square studied. The check list which follows is derived from these records as they now stand. Some indication of the cover given for different areas of the county is shown in the table below. It is hoped that it will be possible to complete more studies in the north-east of the county – the most neglected area – before the Flora is published.

STUDIES OF 1-KILOMETRE NATIONAL GRID SQUARES  
IN V.C. 38 to 31st December, 1964

10-Km. square	No. of 1-Km. squares studied	% of total	10-Km. square	No. of 1-Km. squares studied	% of total
SP 04	1	17	SP 29	13	13
05	13	22	SK 20	10	14
06	10	21	SP 33	7	23
07	7	44	34	12	16
08	0	0	35	24	24
09	5	23	36	30	30
14	6	43	37	20	20
15	42	45	38	1	1
16	38	38	39	8	12
17	5	5	SK 30	0	0
18	8	10	SP 44	8	31
19	14	14	45	12	15
SK 10	0	0	46	15	15
SP 22	3	100	47	11	11
23	23	32	48	5	5
24	36	36	49	0	0
25	31	31	56	2	6
26	32	32	57	1	2
27	22	22	58	0	0
28	13	13			
		<b>Whole county</b>	<b>488</b>	<b>19</b>	

**Note.** The above table excludes two very small portions of 10-Km squares which are almost entirely in neighbouring vice-counties.

## Historical

The first records of Warwickshire bryophytes were made in William Withering's *Systematic Arrangement of British Plants*, 4th Edn. (1801). Thomas Purton (1768-1833) of Alcester published his *Midland Flora* in 1817, with records of bryophytes made by himself and the Rev. W. S. Rufford, with a Supplement in 1821, consisting mainly of records of mosses made by William Thomas Bree (1787-1863), rector of Allesley. Bree also published records in Loudon's *Magazine of Natural History*. Purton's herbarium was given to Worcester Museum, but there appear to be no bryophytes in it. Bree left a collection of bryophytes and lichens, but I have not been able to trace it. William Baxter (1787-1871) left a few manuscript records from the Rugby district, given by Bagnall in the *Midland Naturalist*, 1892-93. The Rev. Andrew Bloxam (1801-78) also left a few records from this area. William Groves Perry (1796-1863) published his *Plantae Varvicensis Selectae* in 1820, containing a list

of mosses, but this only repeats Withering and Purton and gives nothing new. Thomas Kirk (1828-98), of Coventry, was a keen bryologist, but did not publish any records. He is said to have given his bryophyte herbarium to W. G. Perry, whose collection was given to Warwick Museum, but now contains no bryophytes. There are, however, many specimens collected by Kirk in the Oxford University herbarium. James Eustace Bagnall (1830-1918) left a very full record of the bryophytes of Warwickshire at the end of the 19th century. His published papers in several journals are numerous and his *Flora of Warwickshire* contained the first and only complete bryophyte flora of the county. Albert Bruce Jackson (1876-1947) published a short list of mosses in the *Journal of Botany* in 1900 and a few collectors, notably J. B. Duncan (d. 1953) and E. Clemishaw contributed records to the Reports of the Moss Exchange Club and the British Bryological Society in the early part of the twentieth century. C. C. Townsend made a valuable list of bryophytes, mainly from the Redditch area, in 1954-55.

The total number of species recorded in these studies was 261 mosses and 46 hepatics - 307 species in all. Of these, 253 species have been found during the present survey together with 47 additional species, making a total of 354 species recorded for the county since the first record was published in 1801.

## Acknowledgments

I wish to thank a large number of people who have helped in many ways and, in particular, the following :

For assistance with location of published records and loan of books and manuscripts : Dr S. W. Greene (Withering); Prof. J. G. Hawkes (Bagnall); Miss J. M. Morris (Perry and Purton); Mr C. C. Townsend (MS. list); Mr E. C. Wallace (various); Dr E. F. Warburg (Bagnall and the Brit. Bry. Soc. Recorder's Notebook). Particular thanks are due to Mrs J. A. Paton for allowing me to use the vice-county records in the manuscript copy of the 4th Edition of the Hepatic Census Catalogue which she has compiled and from which the records of hepatics for v.c.'s other than 38 have been copied.

For determination of critical species : Dr S. W. Greene (*Plagiothecium*); Mr J. C. Field (*Philonotis*); Mr A. H. Norkett (*Fissidens*); Mrs J. A. Paton (*Hepaticae*); Dr E. F. Warburg (*Pohlia annotina* group, other mosses, and bryophytes in the collection of Thomas Kirk); Dr E. Lodge (*Drepanocladus*).

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#### HERBARIA

OXFORD UNIVERSITY HERBARIUM (Thomas Kirk)

CITY OF BIRMINGHAM MUSEUM (J. E. Bagnall; J. B. Stone)

BRITISH BRYOLOGICAL SOCIETY (several collectors)

T. LAFLIN HERBARIUM (modern collectors)

### Check Lists – Explanatory Notes

**Column 1 (Name).** Species are listed alphabetically, mosses and liverworts separately. The nomenclature followed for mosses is that of Warburg, E. F., *Census Catalogue of British Mosses*, 3rd Edition, 1963; for liverworts that of Jones, E. W., Annotated List of British Hepatics, *Trans. Brit. Bry. Soc.*, 3, 353-74, 1958, with a few exceptions where changes have been made by Mrs J. A. Paton in the manuscript of the *Census Catalogue of British Hepatics*, 4th Edition, in preparation.

**Column 2 (Bagnall).** This gives Bagnall's records, F indicates that the record is in *The Flora of Warwickshire* (1891); X that he recorded it elsewhere.

**Column 3 (Present survey).** X indicates that the species has been found during the period of the present survey.

**Columns 4 to 11.** These give the records of species from v.c. 38 and neighbouring vice-counties. (See explanatory notes of vascular plant check-list for details of the vice-counties represented). X indicates that a species has, at some time, been recorded. Records from neighbouring vice-counties have been obtained from the following :

MOSSES : *Census Catalogue of British Mosses*, 3rd Edition, 1963 (records to the end of 1962), with additional records published in *Trans. Brit. Bry. Soc.*, 1963 and 1964 and a few of my own submitted for publication in 1965.

HEPATICS : manuscript *Census Catalogue of British Hepatics*, 4th Edition (records to the end of 1964).

**Column 12 (First record).** This gives the first known record for v.c. 38. This is based on the first evidence, whether published record, MS. record or herbarium specimen. Where a date is published with a record, that date is given, not the date of publication. Where no date is given, the date of publication is used.

**Columns 13 to 15 (Present status).** These give the present status of the plant in v.c. 38. The frequency of occurrence is given for three areas of the vice-county, north, mid and south. 'North' is the area north of the east-west National Grid line 80; 'mid' is the area between the east-west grid lines 55 and 80; 'south' is the area south of the east-west grid line 55. Frequencies are as given in the introductory paragraph at the beginning of the Bryophyte section, but refer here to the frequency over the whole of the appropriate area.

The check lists for the Mosses and Hepatics follow.

# MOSS CHECK LIST

NAME Census Cat. Brit. Mosses, 3rd Edit.	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT STATUS IN V.C. 38			
			38	23	32	33	37	39	55	57	North	Mid	South	
<i>Acaulon muticum</i> ... ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>Acrocladium cordifolium</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1857	.....	.....	.....
<i>cuspidatum</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>giganteum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>stramineum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>Aloina aloides</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1858	.....	.....	.....
<i>ambigua</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham Mus. 1873	.....	.....	.....
<i>brevirostris</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>rigida</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham Mus. 1873	.....	.....	.....
<i>Amblyodon dealbatus</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>Amblystegiella confervoides</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham Mus. 1870	.....	.....	.....
<i>sprucei</i> ...	F	X	X	X	X	X	X	X	X	X	Census Cat 1926 (?Duncan or Dodd)	.....	.....	.....
<i>Amblystegium compactum</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>juratzkanum</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1856	.....	.....	.....
<i>kochii</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>serpens</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1856	.....	.....	.....
<i>varium</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>Amphidium mougeotii</i> ...	F	X	X	X	X	X	X	X	X	X	Cameron: in Bagnall Fl., no date	.....	.....	.....
<i>Andreaea rothii</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>rothii</i> var. <i>crassinervia</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1856	.....	.....	.....
<i>rupestris</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	.....	.....	.....
<i>Anoectangium aestivum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: M.S. c.1900	.....	.....	.....
<i>Anomobryum filiforme</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: M.S. c.1900	.....	.....	.....
<i>Anomodon viticulosus</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>Antitrichia curtipendula</i> ...	F	X	X	X	X	X	X	X	X	X	Bree in Purton: Mid. Fl. App. 1821	.....	.....	.....
<i>Archidium alternifolium</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>Atrichum angustatum</i> ...	F	X	X	X	X	X	X	X	X	X	Bree in Purton: Mid. Fl. App. 1821	.....	.....	.....
<i>crispum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>undulatum</i> ...	F	X	X	X	X	X	X	X	X	X	Bree in Purton: Mid. Fl. App. 1821	.....	.....	.....
<i>undulatum</i> var. <i>haussknechtii</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>undulatum</i> var. <i>minus</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>Aulacomnium androgynum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>palustre</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>Barbula acuta</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ., no date	.....	.....	.....
<i>convoluta</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1857	.....	.....	.....
<i>convoluta</i> var. <i>commutata</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>cylindrica</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>fallax</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>ferruginascens</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>hornsuechiana</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>nicholsonii</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>recurvirostra</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>reflexa</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>revoluta</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....
<i>rigidula</i> ... ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874	.....	.....	.....

\* For notes see end of list

NAME Census Cat. Brit. Mosses, 3rd Edit.	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT STATUS IN V.C. 38			
			38	23	32	33	37	39	55	57	North	Mid	South	
<i>Camptothecium lutescens</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1859	o	o	If
<i>nitens</i> ...		X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	a	a	a
<i>sericeum</i> ...		X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>Campylium calcareum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Flora 1891			
<i>chrysophyllum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>elodes</i> ...	F	X	X	X	X	X	X	X	X	X	Jackson: Journ. Bot. 1900			
<i>polygamum</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ., no date			
<i>protensum</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817			
<i>stellatum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>Campylopus atrovirens</i> ...	F	X	X	X	X	X	X	X	X	X	Laflin: Survey 1962			
<i>flexuosus</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>flexuosus</i> var. <i>paradoxus</i> ...														
<i>flexuosus</i> var. <i>uliginosus</i> ...														
<i>fragilis</i> ...														
<i>introflexus</i> ...														
<i>pyriformis</i> ...														
<i>secfoliolus</i> ...														
<i>Campylostelium saxicola</i> ...											Purton: Mid. Fl. 1817			
<i>Ceratodon purpureus</i> ...											Purton: Mid. Fl. 1817			
<i>purpureus</i> var. <i>conicus</i>											Kirk: Herb. Oxf. Univ. 1860			
<i>Cinclidotus fontinaloides</i> ...	F	X	X	X	X	X	X	X	X	X	Laflin: Survey 1958			
<i>mucronatus</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>riparius</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817			
<i>Cirriphyllum crassinervium</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ., no date			
<i>piliferum</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1857			
<i>Climaciumpendulae</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1858			
<i>Cratoneuron commutatum</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>commutatum</i> var. <i>falcatum</i> ...											Purton: Mid. Fl. 1817			
<i>commutatum</i> var. <i>virescens</i> ...											Kirk: Herb. Oxf. Univ. 1858			
<i>filicinum</i> ...											Bagnall: V. C. H. Warws. 1904			
<i>filicinum</i> var. <i>fallax</i>											Purton: Mid. Fl. 1817			
<i>Cryptothamnion heteromalla</i> ...	F	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1857			
<i>Ctenidium molluscum</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817			
<i>molluscum</i> var. <i>condensatum</i> ...											Kirk: Herb. Oxf. Univ. 1858			
<i>molluscum</i> var. <i>fastigiatum</i> ...											Bagnall: Journ. Bot. 1874			
<i>Cynodontium bruntonii</i> ...											Purton: Mid. Fl. 1817			
<i>Desmatodon convolutus</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>Dichodontium pelliculoides</i> ...	F	X	X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham. Mus. 1882			
<i>pell.</i> var. <i>lagrimontanum</i> ...														
<i>pell.</i> var. <i>flavescens</i>	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>Dicranella cervicalis</i> ...	F	X	X	X	X	X	X	X	X	X	Mackay in Braith.: Br. Moss Fl. 1881			
<i>crispa</i> ...	F	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817			
<i>heteromalla</i> ...	F	X	X	X	X	X	X	X	X	X				



NAME Census Cat. Brit. Mosses, 3rd Edit.	RECORDED FOR VICE-COUNTIES		FIRST RECORD V.C. 38	PRESENT STATUS IN V.C. 38							
	38	23	32	33	37	39	55	57	North	Mid	South
	Bagnall	Present Survey									
<i>Eurhynchium alopecuroides</i> ...		F	-	-	-	-	-	-	X	-	-
<i>confertum</i> ...		F	-	-	-	-	-	-	X	-	-
<i>megapolitanum</i> ...		F	-	-	-	-	-	-	X	-	-
<i>murale</i> ...		F	-	-	-	-	-	-	X	-	-
<i>praelongum</i> ...		F	-	-	-	-	-	-	X	-	-
<i>praelongum</i> var. <i>stokesii</i> ...		F	-	-	-	-	-	-	X	-	-
<i>riparioides</i> ...		F	-	-	-	-	-	-	X	-	-
<i>schleicheri</i> ...		F	-	-	-	-	-	-	X	-	-
<i>speciosum</i> ...		F	-	-	-	-	-	-	X	-	-
<i>striatum</i> ...		F	-	-	-	-	-	-	X	-	-
<i>swartzii</i> ...		F	-	-	-	-	-	-	X	-	-
<i>swartzii</i> var. <i>rigidum</i> ...		F	-	-	-	-	-	-	X	-	-
<i>Fissidens adianthoides</i> ...		F	-	-	-	-	-	-	X	-	-
<i>bambergeri</i> ...		F	-	-	-	-	-	-	X	-	-
<i>bryoides</i> ...		F	-	-	-	-	-	-	X	-	-
<i>crassipes</i> ...		F	-	-	-	-	-	-	X	-	-
<i>cristatus</i> ...		F	-	-	-	-	-	-	X	-	-
<i>exiguus</i> ...		F	-	-	-	-	-	-	X	-	-
<i>exilis</i> ...		F	-	-	-	-	-	-	X	-	-
<i>incurvus</i> ...		F	-	-	-	-	-	-	X	-	-
<i>minutulus</i> var. <i>tenuifolius</i> ...		F	-	-	-	-	-	-	X	-	-
<i>osmundaoides</i> ...		F	-	-	-	-	-	-	X	-	-
<i>rufulus</i> ...		F	-	-	-	-	-	-	X	-	-
<i>taxifolius</i> ...		F	-	-	-	-	-	-	X	-	-
<i>viridulus</i> ...		F	-	-	-	-	-	-	X	-	-
<i>Fortinalis antipyretica</i> ...		F	-	-	-	-	-	-	X	-	-
<i>antipyretica</i> var. <i>cymbifolia</i> ...		F	-	-	-	-	-	-	X	-	-
<i>antipyretica</i> var. <i>gigantea</i> ...		F	-	-	-	-	-	-	X	-	-
<i>antipyretica</i> var. <i>gracilis</i> ...		F	-	-	-	-	-	-	X	-	-
<i>dixoni</i> ...		F	-	-	-	-	-	-	X	-	-
<i>squamosa</i> ...		F	-	-	-	-	-	-	X	-	-
<i>Funaria fascicularis</i> ...		F	-	-	-	-	-	-	X	-	-
<i>hygrometrica</i> ...		F	-	-	-	-	-	-	X	-	-
<i>muehlenbergii</i> ...		F	-	-	-	-	-	-	X	-	-
<i>obtusa</i> ...		F	-	-	-	-	-	-	X	-	-
<i>Grimmia alpina</i> ...		F	-	-	-	-	-	-	X	-	-
<i>alpina</i> var. <i>rivularis</i> ...		F	-	-	-	-	-	-	X	-	-
<i>apocarpa</i> ...		F	-	-	-	-	-	-	X	-	-
<i>crinita</i> ...		F	-	-	-	-	-	-	X	-	-
<i>decipiens</i> ...		F	-	-	-	-	-	-	X	-	-
<i>doniana</i> ...		F	-	-	-	-	-	-	X	-	-
<i>laevigata</i> ...		F	-	-	-	-	-	-	X	-	-



NAME Census Cat. Brit. Mosses, 3rd Edit.			Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT STATUS IN V.C. 38			
				38	23	32	33	37	39	55	57	North	Mid	South	
	Bagnall														
<i>Isothecium striatum</i> ... ...			X	—	—	—	—	—	—	—	X				
<i>Leptobryum pyriforme</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Leptodictyrum riparium</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Leptodon smithii</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Leptodontium flexifolium</i> gemmascens ...	F		X	X	X	X	X	X	X	X	X				
<i>Leskeia polycarpa</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Leucobryum glaucum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Leucodon sciuroides</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Mnium affine</i> ...			X	X	X	X	X	X	X	X	X				
<i>cuspidatum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>hornum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>longirostrum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>marginatum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>pseudopunctatum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>punctatum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>rugicum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>seligeri</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>stellare</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>undulatum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Neckera complanata</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>crispa</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>pumila</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>Octodiceras fontanum</i> ...			X	X	X	X	X	X	X	X	X				
<i>Oligotrichum hercynicum</i> ...			X	X	X	X	X	X	X	X	X				
<i>Orthodontium gracile</i> ...			X	X	X	X	X	X	X	X	X				
<i>lineare</i> ...			X	X	X	X	X	X	X	X	X				
<i>Orthothecium intricatum</i> ...			X	X	X	X	X	X	X	X	X				
<i>Orthotrichum affine</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>anomalum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>cupulatum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>cupulatum var.</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>nudum</i> ...	X		X	X	X	X	X	X	X	X	X				
<i>diaphanum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>lyellii</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>obtusifolium</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>pulchellum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>rivulare</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>rupestre</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>schimpieri</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>sprucei</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>stramineum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>stramineum var.</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>patens</i> ...			X	X	X	X	X	X	X	X	X				
<i>striatum</i> ...	F		X	X	X	X	X	X	X	X	X				
<i>tenellum</i> ...	F		X	X	X	X	X	X	X	X	X				

			38	23	32	33	37	39	55	57			
<i>Phascum curvicollum</i> ...	...		X	X	X	X	X	—	—	X			
<i>cuspidatum</i> ...	...	F	X		X	X	X	X	X	X			r
<i>cuspidatum</i> var.				X	—	—	—	—	—	—			f
<i>curvisetum</i> ...		F	X	X	—	—	—	—	—	—			
<i>cuspidatum</i> var.					X	—	—	—	—	—			
<i>piliferum</i> ...						—	—	—	—	—			
<i>floerkeanum</i> ...							—	—	?	—			
<i>Philonotis caespitosa</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>calcaraea</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>capillaris</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>fontana</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>fontana</i> var. <i>adpressa</i>													
<i>Physcomitrella patens</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>Physcomitrium pyriforme</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>Plagiobryum zieri</i> ...	...	—	—	—	—	—	—	—	X	—			
<i>Plagiopus oederi</i> ...	...	—	—	—	—	—	—	—	X	—			
<i>Plagiothecium curvifolium</i> ...	...	X	X	X	X	X	X	X	X	X			
<i>denticulatum</i>		F	X	X	X	X	X	X	X	X			
<i>latebricola</i>		F	X	X	X	X	X	X	X	X			
<i>ruthei</i> ...		—	—	X	X	X	X	X	X	X			
<i>succulentum</i> ...		—	X	X	X	X	X	X	X	X			
<i>sylvaticum</i> ...		—	X	X	X	X	X	X	X	X			
<i>Pleuridium acuminatum</i> ...	...	F	F	X	X	X	X	X	X	X			
<i>subulatum</i> ...	...	F	F	X	X	X	X	X	X	X			
<i>Pleurochaete squarrosa</i> ...	...	—	—	X	X	X	X	X	X	X			
<i>Pleurozium schreberi</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>Pohlia annotina</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>cruda</i> ...		—	—	X	X	X	X	X	X	X			
<i>delicatula</i> ...		—	—	X	X	X	X	X	X	X			
<i>nutans</i> ...		—	—	X	X	X	X	X	X	X			
<i>rothii</i> ...		—	—	X	X	X	X	X	X	X			
<i>wahlenbergii</i> ...		F	X	X	X	X	X	X	X	X			
<i>wahlenbergii</i> var. <i>glacialis</i>													
<i>Polytrichum aloides</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>aloides</i> var. <i>minimum</i>		F	X	X	X	X	X	X	X	X			
<i>alpestre</i> ...		—	—	—	—	—	—	—	X	—			
<i>alpinum</i> ...		—	—	—	—	—	—	—	X	—			
<i>aurantiacum</i> ...		F	X	X	X	X	X	X	X	X			
<i>commune</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>commune</i> var. <i>humile</i>		F	X	X	X	X	X	X	X	X			
<i>commune</i> var.		—	—	X	X	X	X	X	X	X			
<i>perigoniale</i> ...		F	X	X	X	X	X	X	X	X			
<i>formosum</i> ...		F	X	X	X	X	X	X	X	X			
<i>juniperinum</i> ...		F	X	X	X	X	X	X	X	X			
<i>nanum</i> ...		F	X	X	X	X	X	X	X	X			
<i>piliferum</i> ...		F	X	X	X	X	X	X	X	X			
<i>urnigerum</i>		F	X	X	X	X	X	X	X	X			
<i>Pottia bryoides</i> ...	...	—	X	X	X	X	X	X	X	X			
<i>davalliana</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>helmei</i> ...	...	F	X	X	X	X	X	X	X	X			
<i>intermedia</i>		F	X	X	X	X	X	X	X	X			

NAME		Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD	PRESENT STATUS IN V.C. 38			
Census Cat.	Brit. Mosses, 3rd Edit.			38	23	32	33	37	39	55	57	North	Mid	South	
<i>Pottia lanceolata</i>	...	F		X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	o	o	o
<i>recta</i>	...			X	X	X	X	X	X	X	X				
<i>starkiana</i>	...	F		X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	f	f	f
<i>truncata</i>	...	F		X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham. Mus. 1883	"	"	"
<i>Pseudephemerion nitidum</i>	...			X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817			
<i>Pseudoscleropodium purum</i>	...			X	X	X	X	X	X	X	X				
<i>Pterogonium gracile</i>	...			X	X	X	X	X	X	X	X				
<i>Pterygoneurum lamellatum</i>	...			X	X	X	X	X	X	X	X				
<i>ovatum</i>	...	F		X	X	X	X	X	X	X	X				
<i>Ptychomitrium polyphyllum</i>	...	F		X	X	X	X	X	X	X	X	Kirk: in Bagnall: Journ. Bot. 1874	r	r	r
<i>Pylaisia polyantha</i>	...			X	X	X	X	X	X	X	X	Bagnall: Flora 1891			
<i>Rhabdoweisia denticulata</i>	...														
<i>Rhacomitrium aciculare</i>	...														
<i>aquaticum</i>	...	F		X	X	X	X	X	X	X	X				
<i>canescens</i>	...	F		X	X	X	X	X	X	X	X				
<i>fusciflavum</i>	...	F		X	X	X	X	X	X	X	X				
<i>heterostichum</i>	...			X	X	X	X	X	X	X	X				
<i>heter. var.</i>				X	X	X	X	X	X	X	X				
<i>alopecurum</i>	...			X	X	X	X	X	X	X	X				
<i>heter. var.</i>				X	X	X	X	X	X	X	X				
<i>graciliscescens</i>	...			X	X	X	X	X	X	X	X				
<i>lanuginosum</i>	...	F		X	X	X	X	X	X	X	X				
<i>Rhodobryum roseum</i>	...														
<i>Rhynchostegiella curviseta</i>	...														
<i>pumila</i>	...	F		X	X	X	X	X	X	X	X				
<i>teesdalei</i>	...	F		X	X	X	X	X	X	X	X				
<i>tenella</i>	...	F		X	X	X	X	X	X	X	X				
<i>tenella</i> var.				X	X	X	X	X	X	X	X				
<i>litorea</i>	...			X	X	X	X	X	X	X	X				
<i>Rhytidiodelphus loreus</i>	...	F		X	X	X	X	X	X	X	X				
<i>squamulosus</i>	...	F		X	X	X	X	X	X	X	X				
<i>squarr.</i> var.				X	X	X	X	X	X	X	X				
<i>calvescens</i>	...			X	X	X	X	X	X	X	X				
<i>triquetrus</i>	...	F		X	X	X	X	X	X	X	X				
<i>Rhytidium rugosum</i>	...			X	X	X	X	X	X	X	X				
<i>Schistostega pennata</i>	...														
<i>Scleropodium caespitosum</i>	...	F		X	X	X	X	X	X	X	X				
<i>tourrettii</i>	...	F		X	X	X	X	X	X	X	X				
<i>Scorpidium scorpioides</i>	...														
<i>Seligeria acutifolia</i> var. <i>longisetosa</i>															
<i>calcarea</i>	...														
<i>doniana</i>	...														
<i>paucifolia</i>	...														
<i>pusilla</i>	...	F		X	X	X	X	X	X	X	X				
<i>recurvata</i>	...			X	X	X	X	X	X	X	X				
<i>trifaria</i>	...			X	X	X	X	X	X	X	X				
<i>Sphagnum capillaceum*</i>		F	X	X	X	X	X	X	X	X	X	Purton: Moss Exch. Club. Rep. 1917	r	r	r
<i>compactum</i>	...	F	X	X	X	X	X	X	X	X	X	Bagnall: Journ. Bot. 1874			
<i>cuspidatum</i>	...	F	X	X	X	X	X	X	X	X	X				

\* For notes see end of list

				38	23	32	33	37	39	55	57		
<i>Sphagnum fimbriatum</i> ...	...	F	X	X	X	X	—	—	X	X	X	X	Bagnall: Herb. B'ham Mus. 1875
<i>girgensohnii</i> ...		X	X	X	—	—	—	—	X	—	X		Bagnall: Herb. B'ham Mus. 1884
<i>magellanicum</i> ...			—	—	—	—	—	—	—	—	—		Purton: Mid. Fl. 1817
<i>molle</i> ...			—	—	—	—	—	—	X	—	X		Bagnall: Journ. Bot. 1874
<i>palustre</i> ...			—	—	—	—	—	—	X	—	X		Kirk: Herb. Oxf. Univ., no date
<i>papillosum</i> ...			—	—	—	—	—	—	X	X	X		Bagnall: Journ. Bot. 1874
<i>plumulosum*</i> ...			—	—	—	—	—	—	X	X	X		Bagnall: Journ. Bot. 1874
<i>quinquefarium</i> ...			—	—	—	—	—	—	X	X	X		Bagnall: Journ. Bot. 1874
<i>recurvum</i> ...			—	—	—	—	—	—	X	—	X		Bagnall: Journ. Bot. 1874
<i>robustum</i> ...			—	—	—	—	—	—	X	—	X		Bagnall: Journ. Bot. 1874
<i>rubellum</i> ...			—	—	—	—	—	—	X	X	X		Kirk: Herb. Oxf. Univ. 1849
<i>squarrosum</i> ...			—	—	—	—	—	—	X	X	X		Bagnall: Journ. Bot. 1874
<i>subsecundum</i> agg. ...			—	—	—	—	—	—	X	X	X		Bagnall: Journ. Bot. 1874
<i>subsecundum</i> var. ...			—	—	—	—	—	—	X	X	X		Bagnall: Journ. Bot. 1874
<i>auriculatum</i> ...		F	X	X	X	—	X	X	X	X	X		Bagnall: Herb. B'ham Mus. 1875
<i>subsecundum</i> var. ...			—	—	—	—	—	—	X	X	X		Bagnall: Herb. B'ham Mus. 1875
<i>inundatum</i> ...			—	—	—	—	—	—	X	X	X		Bagnall: Herb. B'ham Mus., no date
<i>tenellum</i> ...			—	—	—	—	—	—	X	X	X		Hawkes: Survey 1963
<i>Splachnum ampullaceum</i> ...			—	X	—	—	—	—	X	—	X		
<i>sphaericum</i> ...			—	—	—	—	—	—	X	—	X		
<i>Tetraphis browniana</i> ...													
<i>pellucida</i> ...													
<i>Thamnium alopecurum</i> ...													
<i>angustifolium</i> ...													
<i>Thuidium abietinum</i> ...													
<i>hystericosum</i> ...													
<i>philibertii</i> ...													
<i>recognitum</i> ...													
<i>tamariscinum</i> ...													
<i>Tortella densa</i> ...	...												
<i>inclinata</i> ...													
<i>inflexa</i> ...													
<i>nitida</i> ...													
<i>tortuosa</i> ...													
<i>Tortula cuneifolia</i> ...													
<i>intermedia</i> ...													
<i>laevipila</i> ...													
<i>laevi</i> var. <i>laevipilaeformis</i>													
<i>latifolia</i> ...													
<i>marginata</i> ...													
<i>murialis</i> ...													
<i>murialis</i> var. <i>aestiva</i> ...													
<i>papillosa</i> ...													
<i>princeps</i> ...													
<i>ruraliformis</i> ...													
<i>ruralis</i> ...													
<i>subulata</i> ...													
<i>subulata</i> var. <i>angustata</i> ...													
<i>subulata</i> var. <i>graeffii</i> ...													
<i>vahliana</i> ...													

\* For notes see end of list

NAME Census Cat. Brit. Mosses, 3rd Edit.			RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT STATUS IN V.C. 38			
	Bagnall	Present Survey	38	23	32	33	37	39	55	57	North	Mid	South	
<i>Trichostomum brachydontium</i> brachy., var. <i>cophocarpum</i> brachy., var. <i>littorale</i>	—	—	—	—	—	X	X	X	X	X	—	—	—	—
<i>crispulum</i> ... <i>crisp.</i> var. <i>brevifolium</i>	—	—	X	X	X	X	X	X	X	X	—	—	—	—
<i>crisp.</i> var. <i>elatum</i>	—	—	—	—	—	—	—	—	—	—	X	—	—	—
<i>crisp.</i> var. <i>nigroviride</i> ... <i>sinuosum</i> ... <i>tenuirostre</i> ...	F	—	X	X	X	X	X	X	X	X	—	—	If	If
<i>Ulota bruchii</i> ... <i>crispa</i> ... <i>phyllantha</i> ...	—	—	X	—	X	X	X	X	X	X	—	—	r	r
<i>Weissia controversa</i> ... <i>crispa</i> ...  crispa var. <i>aciculata</i> ... <i>crispata</i> ... <i>microstoma</i> ... <i>microstoma</i> var. <i>brachycarpa</i> ... <i>multiplicapsularis</i> ...  <i>rostellata</i> ... <i>rutilans</i> ... <i>squarrosa</i> ... <i>sterilis</i> ... <i>torcillis</i> ...	—	—	X	X	X	X	X	X	X	X	—	—	—	—
<i>Zygodon conoideus</i> ... <i>forsteri</i> ... <i>viridissimus</i> ... <i>viridissimus</i> var. <i>stirtonii</i> ... <i>viridissimus</i> var. <i>vulgaris</i> ...	—	—	X	—	X	—	X	—	—	—	—	—	—	—

\*BRYUM. Crundwell and Nyholm in Trans. Brit. Bry. Soc., 4, 597-637 (1964), show *Bryum erythrocarpum* to be a species complex. The species marked\* in the list are of this complex. Their distribution is incompletely known.

\*SPHAGNUM. The species marked\* are recorded in Bagnall's Flora of Warwickshire under the aggregate, *Sphagnum acutifolium*.

# HEPATIC CHECK LIST

## HEPATIC CHECK LIST

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NAME	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD	PRESENT STATUS IN V.C. 38			
			38	23	32	33	37	39	55	57	North	Mid	South	
Jones, Annas. List Brit. Hep. 1958														
<i>Anthoceros fusnotinus</i> ...	—	X	X	X	—	—	—	—	—	—	Kirk: in Herb. Edin. Bot. Gdns. 1859	—	r	—
<i>laevis</i> ...	—	X	X	X	X	X	X	X	—	—	Purton: Mid. Fl. 1817	o	—	—
<i>punctatus</i> ...	—	X	X	X	X	X	X	X	—	—	Purton: Mid. Fl. 1817	—	—	—
<i>Barbilophozia attenuata</i> ...	—	—	—	X	—	—	X	X	X	X		—	—	—
<i>barbata</i> ...	—	—	—	—	—	X	X	X	X	X		—	—	—
<i>floerkei</i> ...	—	—	—	—	—	X	X	X	X	X		—	—	—
<i>Bazzania trilobata</i> ...	—	—	—	X	X	X	X	X	X	X		—	—	—
<i>Blasia pusilla</i> ...	—	—	X	X	X	X	X	X	X	X		—	—	—
<i>Blepharostoma trichophyllum</i> ...	—	—	X	X	X	X	X	X	X	X		—	—	—
<i>Calypogeia arguta</i> ...	—	—	X	X	X	X	X	X	X	X	Clark: Survey 1962	—	—	—
<i>fissa</i> * ...	—	—	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1857	—	—	—
<i>muelleriana</i> * ...	—	—	X	X	X	X	X	X	X	X	Laflin: Survey 1958	—	—	—
<i>Cephalozia bicuspidata</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Flora 1891	—	—	—
<i>bicuspidata</i> ...	—	—	X	X	X	X	X	X	X	X	_____: Census Cat. 1913; doubtful	—	—	—
<i>var. lammersiana</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham. Mus. 1883	—	—	—
<i>connivens</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Mid. Nat. 1892-3	—	—	—
<i>macrostachya</i> ...	—	—	X	X	X	X	X	X	X	X	_____: Census Cat. 1913; doubtful	—	—	—
<i>media</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Mid. Nat. 1892-3; doubtful	—	—	—
<i>Cephaloziella hampeana</i> ...	—	—	X	X	X	X	X	X	X	X	Jones: Rep. Brit. Bry. Soc. 1936	—	—	—
<i>pearsonii</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham. Mus. 1881	—	—	—
<i>rubella</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Flora 1891	—	—	—
<i>starkei</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Herb. B'ham. Mus. 1891	—	—	—
<i>stellulifera</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Mid. Nat. 1892-3	—	—	—
<i>turneri</i> ...	—	—	X	X	X	X	X	X	X	X	Bagnall: Flora 1891	—	—	—
<i>Chiloscyphus pallescens</i> ...	—	X	X	X	X	X	X	X	X	X		—	—	—
<i>polyanthos</i> ...	—	X	X	X	X	X	X	X	X	X		—	—	—
<i>polyanthos</i> ...	—	X	X	X	X	X	X	X	X	X		—	—	—
<i>var. rivularis</i> ...	—	X	X	X	X	X	X	X	X	X	_____: Census Cat. 1913	—	—	—
<i>Cladopodiella fluitans</i> ...	—	—	X	X	X	X	X	X	X	X		—	—	—
<i>Cololejeunea calcarea</i> ...	—	—	X	X	X	X	X	X	X	X	Rufford in Purton: Mid. Fl. 1817	—	—	—
<i>rossettiana</i> ...	—	—	X	X	X	X	X	X	X	X		—	—	—
<i>Conocephalum conicum</i> ...	—	X	X	X	X	X	X	X	X	X		—	—	—
<i>Diplophyllum albicans</i> ...	—	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1859	—	—	—
<i>Douinia ovata</i> ...	—	X	X	X	X	X	X	X	X	X		—	—	—
<i>Fossombronia caespitiformis</i> ...	—	X	X	X	X	X	X	X	X	X		—	—	—
<i>pusilla</i> ...	—	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. App. 1821	—	—	—
<i>wondraczekii</i> ...	—	X	X	X	X	X	X	X	X	X	Knight and Nicholson: M.S. 1922	—	—	—
<i>Frullania dilatata</i> ...	—	X	X	X	X	X	X	X	X	X	Kirk: Herb. Oxf. Univ. 1857	—	—	—
<i>tamarisci</i> ...	—	X	X	X	X	X	X	X	X	X	Purton: Mid. Fl. 1817	—	—	—
<i>Gymnocolea inflata</i> ...	—	X	X	X	—	X	X	X	X	X	Bagnall: Flora 1891	—	—	—
<i>inflata</i> var.	—	X	X	X	—	X	X	X	X	X		—	—	—
<i>heterostipa</i> ...	—	X	X	X	—	X	X	X	X	X		—	—	—

\*For notes see end of list.

NAME	Jones, Annot. List Brit. Hep. 1958	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD	PRESENT STATUS IN V.C. 38			
				38	23	32	33	37	39	55	57	North	Mid	South	
<i>Hygrobiella laxifolia</i>	...	...	—	—	—	—	—	—	—	—	X	Duncan: M.S. no date Laflin: Survey 1964	—	—	—
<i>Jamesoniella autumnalis</i>	...	—	—	—	—	—	—	X	—	—	—	Bagnall: Flora 1891 Laflin: Survey 1960	—	—	—
<i>Leiocolea badensis</i>	...	—	—	—	—	—	—	—	—	—	X		—	—	—
<i>bantrensis</i>	...	—	—	—	—	—	—	—	—	—	X		—	—	—
<i>mulleri</i>	...	—	—	—	—	—	—	—	—	—	X		—	—	—
<i>turbinata</i>	...	—	—	—	—	—	—	—	—	—	X		—	—	—
<i>Lejeunea cavifolia</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>lamacerina</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>ulicina...</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Lepidozia pearsonii</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>reptans</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>setacea</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Lophocolea bidentata</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>cuspidata</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>fragrans</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>heterophylla</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Lophozia alpestris</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>bicrenata</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>excisa</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>incisa</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>porphyroleuca</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>ventricosa</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>ventricosa</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>var. longiflora</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>ventricosa</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>var. silvicola</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Lunularia cruciata</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Marchantia polymorpha</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>polymorpha</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>var. aquatica</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Marchesinia mackaii</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Marsupelia emarginata</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>funkii</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Metzgeria conjugata</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>fruticulosae</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>furcata</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>pubescens</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Moerckia flotowiana</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Mylia anomala</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>taylori</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Nardia compressa</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>geoscyphus</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>scalaris</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Nowellia curvifolia</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>Odontoschisma denudatum</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—
<i>sphagni</i>	...	—	—	—	—	—	—	X	—	—	X		—	—	—

Kirk: Herb. Oxf. Univ. 1857  
Bree in Purton: Mid Fl. App. 1821

Purton: Mid. Fl. 1817

					38	23	32	33	37	39	55	57	
<i>Pedinophyllum interruptum</i> ...					F	F	X	X	X	X	X	X	
<i>Pellia endiviifolia</i> ...					F	F	X	X	X	X	X	X	
<i>epiphylla</i> ...							X	X	X	X	X	X	
<i>neesiana</i> ...							X	X	X	X	X	X	
<i>Plagiochila asplenoides</i> ...					F	X	X	X	X	X	X	X	
<i>asplenoides</i> ...						X	X	X	X	X	X	X	
var. <i>major</i> ...						X	X	X	X	X	X	X	
<i>spinulosa</i> ...						X	X	X	X	X	X	X	
<i>Plectocolea hyalina</i> ...					F	X	X	X	X	X	X	X	
<i>obovata</i> ...						X	X	X	X	X	X	X	
<i>Porella cordaeana</i> ...					F	X	X	X	X	X	X	X	
<i>laevigata</i> ...						X	X	X	X	X	X	X	
<i>platycarpa</i> ...						X	X	X	X	X	X	X	
<i>Preissia quadrata</i> ...					F	X	X	X	X	X	X	X	
<i>Ptilidium ciliare</i> ...						X	X	X	X	X	X	X	
<i>pulcherrimum</i> ...						X	X	X	X	X	X	X	
<i>Radula complanata</i> ...					F	X	X	X	X	X	X	X	
<i>Reboulia hemisphaerica</i> ...						X	X	X	X	X	X	X	
<i>Riccardia multifida</i> ...					F	X	X	X	X	X	X	X	
<i>pinguis</i> ...						X	X	X	X	X	X	X	
<i>sinuata</i> ...						X	X	X	X	X	X	X	
<i>Riccia beyrichiana</i> ...					F	X	X	X	X	X	X	X	
<i>crystallina</i> ...						X	X	X	X	X	X	X	
<i>fluitans</i> ...						X	X	X	X	X	X	X	
<i>glauca</i> ...						X	X	X	X	X	X	X	
<i>nigrella</i> ...						X	X	X	X	X	X	X	
<i>sorocarpa</i> ...						X	X	X	X	X	X	X	
<i>warnstorfii</i> ...						X	X	X	X	X	X	X	
<i>Ricciocarpus natans</i> ...					F	X	X	X	X	X	X	X	
<i>Saccogyna viticulosa</i> ...						X	X	X	X	X	X	X	
<i>Scapania aequiloba</i> ...						X	X	X	X	X	X	X	
<i>aspera</i> ...						X	X	X	X	X	X	X	
<i>compacta</i> ...						X	X	X	X	X	X	X	
<i>curta</i> ...						X	X	X	X	X	X	X	
<i>cuspiduligera</i> ...						X	X	X	X	X	X	X	
<i>gracilis</i> ...						X	X	X	X	X	X	X	
<i>irrigua</i> ...						X	X	X	X	X	X	X	
<i>nemorea</i> ...						X	X	X	X	X	X	X	
<i>umbrosa</i> ...						X	X	X	X	X	X	X	
<i>undulata</i> ...						X	X	X	X	X	X	X	
<i>Solenostoma atrovirens</i> var.													
<i>sphaerocarpoidea</i>													
<i>cordifolium</i> ...													
<i>crenulatum</i> ...													
<i>pumilum</i> ...													
<i>sphaerocarpum</i> ...													
<i>triste</i> ...													
<i>Sphaerocarpos michelianus</i> ...													
<i>texanus</i> ...													
<i>Sphenolobus minutus</i> ...													

Bagnall: Herb. B'ham Mus. 1879

Burton: Mid. Fl. 1817

Bagnall: Flora 1891

Laflin: Survey 1956

Bagnall: Herb. B'ham Mus. 1880

Bagnall: Herb. B'ham Mus. 1880

Laflin: Survey 1958

Clark: Survey 1960

Bagnall: Herb. B'ham Mus. 1879

Bagnall: Flora 1891

Bagnall: Herb. B'ham Mus. 1880

Bagnall: Herb. B'ham Mus. 1880

Kirk: Herb. Oxf. Univ. 1856

Bagnall: Flora 1891

Bagnall: Herb. B'ham Mus. 1893

Rufford in Burton: Mid. Fl. 1817

Burton: Mid. Fl. 1817

———: Census Cat. 1913

Bolton &amp; Clemishaw: Herb. B'ham Mus. 1905

Bagnall: Mid. Nat. 1892-3

Bagnall: Herb. B'ham Mus. 1883

Bagnall: Flora 1891

Bagnall: Flora 1891

Bagnall: Flora 1891

Bagnall: Herb. B'ham Mus. 1883

Bagnall: Flora 1891

NAME Jones, Annot. List Brit. Hep. 1958	Bagnall	Present Survey	RECORDED FOR VICE-COUNTIES							FIRST RECORD V.C. 38	PRESENT STATUS IN V.C. 38			
			38	23	32	33	37	39	55	57	North	Mid	South	
<i>Targionia hypophylla</i> ...	—		—	—	—	—	X	X	—	X	Bagnall: Herb. B'ham Mus. 1876	—	—	—
<i>Trichocolea tomentella</i> ...	—	F	X	—	—	—	X	X	—	X		—	—	—
<i>Tritomaria exsectiformis</i> ...	—		—	X	—	—	X	X	—	X		—	—	—
<i>quinquedentata</i> ...	—		—	—	—	—	X	—	—	X		—	—	—

\*CALYPOGEIA. Early botanists, including Bagnall, recognized only *C. trichomanis* in this group; except where specimens exist it is not possible to place their records.