

A Flora of the Sheffield Area

(Two Hundred Years of Plant Records)



**Sorby Record
Special Series No. 8**

**Edited by
Margaret Shaw**

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Published by:

**Sorby Natural History Society
Sheffield
1988**

Sorby Record Special Series No. 8

Series and Production Editor: Derek Whiteley

70th Anniversary Publication

1918-1988

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September 1988

ISSN 0260-2032

Phototypesetting, Printing and Binding by
Higham Press Ltd., Shirland, Derbyshire

PREFACE

The idea of a Sheffield Flora originated on 10th January 1968 at a meeting of the Flowering Plants Section of Sorby Natural History Society, when a young member, Martin Spray, raised the possibilities of such a project. At the time several botanical members were involved in the final stages of work on the Derbyshire Flora; nevertheless they agreed to take part.

Records began to accumulate and a small committee met in the winter months for some years to co-ordinate the work. Over the next ten years or so enthusiasm and helpers fluctuated. Hundreds of records carrying date, place, recorder's name, with four or six figure grid references collected, and these were increased considerably with help from the Unit of Comparative Plant Ecology at Sheffield University. In addition the record sheets carried detailed research work on old records in the Sheffield area such as two references in Ray's Catalogue of 1688, a range of plants collected in the Sheffield district around 1796-1807 by Jonathan Salt, and notes of records appearing in local floras or reports up to the First World War.

It was at this stage, as Secretary of the Botanical Section, that I adopted the role of editor. Much remained to be done, checking on records, grids, references and form of presentation. Requests for help were cheerfully met from all quarters. In the end, however, decisions had to be taken and these, rightly or wrongly remain my responsibility.

Sorby Natural History Society has worked on many projects affecting natural history in the City of Sheffield and its environs. It is hoped this Sheffield Flora will form the basis of future work. Nothing stands still; there is continual change, particularly in these days of recession. Plants recorded in 1968 in some instances have vanished yet it is fascinating to come across some of Jonathan Salt's old records extant - despite an industrial revolution, pollution and dereliction. Sorby's young botanists are aiming to continue updating the Flora; inevitably some records are already awaiting a new issue; corrections may be necessary, hopefully few.

Twenty years of plant hunting, checking and research have been interesting and rewarding for those involved, but as editor I have come to one clear conclusion - I would rather be bogged down in the field than in paperwork.

Margaret R. Shaw

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INTRODUCTION

Imagine if you can the small town of Sheffield and its surrounding landscape two hundred years ago, when Jonathan Salt was beginning to collect plants from the area. Grouped around the Parish Church the town extended little more than half or three-quarters of a mile in any direction; places such as Attercliffe, Darnall, Owlerton, Heeley or Norton were separate communities, with a country walk to reach them.

Industry was to be found along the River Don and its numerous tributaries. Weirs, goits and dams harnessed the water, providing power for mills, forges, tilts and wheels for grinding. These working centres, with cottages nearby, were in a sylvan setting.

To the west, the town finished where "the moor" began - now a Sheffield shopping precinct. Highfields and Lowfields were appropriately named. "Sharrow Moor and Crooks Moor" were still in existence, although the first of five reservoirs in the "Crooks" Valley was built in Salt's time. Even so, Salt recorded Ivy-leaved Bellflower for "Crooksmoor, Sheffield", and this is a plant which in our area prefers short wet turf, usually by small streams draining from the high moors and now eight or nine miles to the west of the city.

The coming of steam whereby industry was no longer tied to water supply resulted in concentration of industry in the town and its environs, in larger and larger units as the Industrial Revolution progressed. Urbanisation gathered speed and the town, bursting at the seams, spread its boundaries again and again so that fields, woods and even moors receded.

Today we are in the process of recession with large areas of wasteland waiting the opportunity of development. Plants are not waiting for anything; they are already colonising. In some cases disturbance of the land may have awakened long-dormant seeds, others have snapped up the chance of open ground, and abandoned garden plants such as Goat's-rue (*Galega officinalis*) and the Butterfly Bush (*Buddleja davidii*) have formed large colourful colonies. Botanists are finding unusual or unexpected plants all over the city, such as Bullwort (*Ammi majus*), Mistletoe, Tufted Loosestrife (*Lythymachia thyrsiflora*), Blue Fleabane (*Erigeron acer*) and Slender Rush (*Juncus tenuis*).

From a naturalist's point of view Sheffield is well situated. Geology plays a large part in this with Carboniferous Limestone in the west, through Millstone Grit and Coal Measures to a small portion of Magnesian Limestone in the east. High moorland over 1,500 ft. in the west drops gradually eastwards to under 300 ft. The variety of habitats in the region is wide, and in addition Sheffield is within reach of a plant distribution "hub" where southern type plants reach their northern limit, and northern ones their southern extent.

The Flora of Sheffield covers the nine 10 kilometre squares around Sheffield on Sheets SK 27 28 29, SK 37 38 39 and SK 47 48 49 Ordnance Survey 1 : 25000 series.

The herbarium of Jonathan Salt in Sheffield Museum is the earliest collection of plants made in the Sheffield area and dates from 1773 to 1809, covering originally over 1200 specimens, not all local. The records of several local botanists were included later with Salt's. It was not until the late 1800s that E. Snelgrove produced two lists of Sheffield Plants, followed by a more comprehensive one, published in the 1910 report of the Sheffield Naturalist's Club. In today's climate of conservation, urban wildlife and greater interest in natural history as a whole, a local flora is desirable, some say a necessity.

Local naturalists have devoted many hours to field work and research in compiling the Flora of Sheffield, which involves over 1,140 species and 405 distribution grid maps, with a rough estimate of 45,000 records handled. Usually in recent years floras have been based on at least one record for each 10 kilometre square; in some cases with an improved return on a tetrad basis or a quarter of a 10 kilometre square. The Flora of Sheffield is on a four figure grid, i.e. **at least one record for every 1 kilometre square**. Missing or doubtful points on any records received were cleared up at the time, either by reference back to the recorder, a request for a specimen, or an on-site check; if still in doubt the record was omitted from the Flora. Entries may be checked, or details obtained from the original record sheets by application to the Honorary Secretary of Sorby Natural History Society.

Much work is done by individuals from time to time where research is involved; this Flora is an attempt not only to list plants in the Sheffield area, past and present, but to save constant research. The Bibliography shows exactly what research has been done; there are a few gaps in material available at the time, and it is possible some sources have been overlooked. Information in this respect will be welcome, as will additional records where areas may be under-recorded.

It remains for me to say thank you, very sincerely to -

Everyone who has helped with the Flora in any way.

Ida Sollitt, constant companion in the field throughout the project who gave encouragement as well as years of assistance with clerical work.

Recorders, past and present listed on pages 7-10. Without them there would have been no Flora.

Sheffield Museum for accommodation and use of equipment over several years, not forgetting staff co-operation.

Derek Whiteley who led a team of "dot mappers" in their spare time, including Gaynor Boon and Gerry Firkins.

Unit of Comparative Plant Ecology, Sheffield University, for innumerable local records and to Dr. John Hodgson in particular.

Peak Park Joint Planning Board, for financial assistance.

Dr. Gillian Fearn for reading the text, offering advice and encouragement.

Doris Parkin who accommodated the winter sub-committee members in the early years - and fed them!

Graham Sedgewick and Derek Whiteley who undertook the equally important tasks of publicity, sales and printing.

Tim Riley, Sheffield Museum, who liaised, advised and provided additional information on Jonathan Salt.

Derby Museum for help relating to Derbyshire Flora records.

Rotherham Museum for assistance with many local records.

Sheffield City Libraries - Science & Technology and Local Studies Departments.

Gerry Firkins, present Botanical Secretary of Sorby Natural History Society, who gave many hours of assistance during the last year and kept the old Botanical Secretary on her toes!

RECORDERS : PAST AND PRESENT

FRANCIS JESSOP : 1638 to 1691

An important Sheffield scientist interested in botany, who lived at Broomhall, Sheffield. When 27 years of age he travelled to Montpellier, southern France, then a centre of botanical study and met John Ray, who paid a visit to Broomhall in 1668. Sheffield's earliest recordings, Ivy-leaved Bellflower (*Wahlenbergia hederacea*) and Rosebay Willowherb (*Chamerion angustifolium*) appear in Ray's Catalogue about that date.

JONATHAN SALT : 3rd March 1759 to 2nd August 1815

Sheffield's earliest outstanding botanist. He lived at Wardsend, Sheffield and was in partnership with his brother as table knife cutlers in Hollis Croft, Sheffield. He made a herbarium, including many first records for Yorkshire and Derbyshire and wrote a manuscript "Flora Sheffieldiensis" c. 1800. Perhaps his most outstanding record was Elongated Sedge (*Carex elongata*) which he found at Aldwarke, near Rotherham in 1801 (1803 or 1807 - references vary), a 'first' not only locally but for the British Flora.

Salt's herbarium is the basic source of Sheffield's flora at the start of the Industrial Revolution and highlights the dramatic changes due to subsequent industrialisation and urbanisation. His herbarium passed into the hands of a William Staniforth who gave it to Sheffield Literary and Philosophical Society in 1826. It was presented to Sheffield Museum in 1874. In 1889 Sheffield Literary and Philosophical Society published a "List of Plants collected chiefly in the Neighbourhood of Sheffield by Jonathan Salt", in booklet form. Jonathan Salt was elected to fellowship of the Linnaean Society in 1797.

Following his death in 1815 James Montgomery, poet and editor of the Sheffield "Iris" spoke of his "... pre-eminence as a botanist. He not only acquired a correct and comprehensive knowledge of plants but was regarded by the first professors of his day as an ornament and benefactor to science ... by his elaborate researches and discoveries he added greatly to the stock of information in this interesting department of nature in which he was an enthusiast". T. Asline Ward in "Peeps into the Past" quotes for 1807 - "On March 30th Mr. Ward had a delightful walk, illuminated by Chantrey's artistic love of nature, and by the botanical lore of Jonathan Salt, whose distinction as an accomplished botanist has obtained for him a place in local annals that his skill as a table-knife manufacturer would not have won" - the walk was "up the banks of the River Loxley to the Dam Flask, where we dined ... crossed over to the Rivelin, and returned by Crooks Moor".

JOHN HOLLAND : 1794 to 1872

A prominent literary figure in Sheffield who knew many local naturalists and utilised their botanical knowledge. His best known work, "Tour of the Don", remains a useful source of information for the area. In respect of Wharnccliffe and Beeley Wood he says "... the vernal season, to be sure, is backward, a prevalence of bleak north-easterly winds ... occasional destructive frosts in May ... the oaks now give promise of being somewhat out in leaf by Twenty-ninth of May". He refers to "blossoms of the Bird Cherry (*Prunus padus*) ... Sweet Cicely (*Myrrhis odorata*)" and "... along the wood bottom by the water side -

indeed, wherever the trees overshadow a damp spot, the elegant cymes of the *Luciola sylvatica* are most profusely present". Great Wood-rush (*Luzula sylvatica*) is still plentiful there.

LARRET LANGLEY : 1801 to 1854

Larret Langley is the source of old records on the Rotherham side of Sheffield. He flourished around 1827 but little is known of him other than he taught at Brampton Academy and, with the Rev. William Moorhouse published a local plant list in 1831, "A picture of the flora of Brampton and Wath area", set down in three lists in the Village Magazine or Wath Repository.

DR. RICHARD DEAKIN : 1808 or 9 to 1873

Although born in Nottingham he settled in Attercliffe as a doctor in 1833. He was a keen botanist, adding material to Salt's herbarium, and was responsible for drawing the plates for Bohler's *Lichene Britannica*. He was also a friend of Sir William Hooker, and of Robert Marnock. Robert Marnock, first Curator of Sheffield Botanical Gardens, supplied a "List of Plants near Sheffield" for Baines' *Flora of Yorkshire*. Richard Deakin and Robert Marnock jointly published "*Florigraphia Britannica*" in monthly parts in the *Sheffield Mercury* (1835). It was later published as a complete work containing 1,625 illustrations and 1,500 pages.

W. W. NEWBOULD : 1819 to 1886

A Sheffield born botanist who went further afield. Died at Kew. Responsible for the *Flora of Woodhouse*, near Sheffield, 1881, and numerous local plant records.

AMOS CARR : 1829 to 1884

According to Snelgrove (1910) Amos Carr was "after Salt . . . our most indefatigable and successful botanist". A southerner, he came to Sheffield and worked first as a rural postman, later as a bootmaker. He collected extensively in the Sheffield area, helped considerably no doubt by his first occupation, and had a knowledge of critical groups such as roses, brambles and willows. Apart from finding *Circaea alpina* (Alpine Enchanter's-nightshade) in Rivelin Valley he was the first to record *Cirsium acaule* (Dwarf (Stemless) Thistle) at Kiveton. He rediscovered many of Salt's plants and submitted records for Lees' *Flora of West Yorkshire* - in which the value of his work in 'Upper Dondale' was acknowledged.

CHARLES WATERFALL : 1851 to 1938

A knowledgeable botanist, his name appears repeatedly in both Painter's and Linton's floras of Derbyshire, bearing in mind that the old Derbyshire/Yorkshire County Boundary ran down the River Sheaf to Heeley in Sheffield. His records mainly cover Chesterfield-Renishaw area. His herbarium is at Sheffield University.

GEORGE HARRISON : flourished 1864

Although frequently named in Lees' *Flora of West Yorkshire* little information has been found about him other than the fact that a manuscript, "Stations in Sheffield district" was communicated to the Rev. W. W. Newbould by George Harrison.

E. SNELGROVE : 1859 to 1934

Snelgrove was a prominent member of Sheffield Naturalists' Club. His recording work was extensive, appearing in Sheffield Naturalists' Club Reports for 1894 (Flora of Sheffield District), 1895 (Second List, Flora of the Sheffield District) and 1910 (The Botany of the District). The latter was repeated in the 1910 Handbook of the British Association for the Advancement of Science.

EDWARD BIRKS

We know that Edward Birks lectured the Sheffield Literary and Philosophical Society in 1899 on "Notes on the Flora of Sheffield and District".

Quoting from Gatty's edition of Hunter's Hallamshire - "The Botany of the Parish (Sheffield) is very varied, says Mr. Edward Birks, who is a careful field naturalist of the district . . . but no species of plants of great rarity or special interest are to be found." There follows Mr. Birk's list of 45 plants - "... which I have observed in close proximity to the town of Sheffield in the last few years (which) fairly indicates the botany of Hallamshire." All but eight of the plants have been recorded in recent years.

CHARLES B. WAITE : 1908 to 1978

A wide-ranging naturalist C. B. Waite held many offices in Sorby Natural History Society, and was the main support of the Botanical Section for many years. He was held in high esteem by the Honorary Editor of the 1956 Handbook, British Association for the Advancement of Science, for his valuable assistance in a compilation of the "Scientific and Historical Survey of Sheffield and its Region". Well known for his patience and careful recording, he was closely associated with the 1969 production of the Flora of Derbyshire. His knowledge of local plants and important sites was invaluable and it was a sad loss when, leaving a nature reserve after a day's botanising, he was killed in a road accident.

JOHN BROWN : flourished 1940s and 1950s

A self-taught botanist his knowledge was profound and respected. He was a member of Sorby Natural History Society but his name and records were more frequently associated with The Naturalist.

PRESENT DAY RECORDERS

We come now to a list of those people responsible for the records appearing in The Flora of Sheffield, either in the text or on distribution grid maps; their contribution, large or small, has created the whole.

Adams, F. W.
Acton, Mary and Frank
Anderson, Penny
Balkow, Ken
Band, Stuart
Beer, Evelyn
Blensdorf, Oliver
Boon, Gaynor
Bottomley, T. L. C.
Brackenbury, Hazel and Austin

Brown, Jeremy
Burley, Henry
Clarke, Tony
Clarkson, Keith
Clinging, Valerie and Bob
Cooper, Anne
Copestake, E.
Doncaster, Richard
Egan, Helen and Dave
Egan, Joan E.

Eggenton, Sue	Pullin, R.
Ely, Bill	Pymm, Bridget
Exley, Charles	Riley, Tim
Fearn, Gillian	Robinson, June
Firkins, Gerry	Rotherham, Ian
Furness, Steve	Saxby, S.
Gagan, Amy	Scougall, Alex
Garland, Steve	Sedgewick, Graham
Gilbert, Oliver	Shaw, Margaret
Glasscock, Jean	Singleton, Joy and Jack
Gow, Mary	Smyllie, W. J.
Grant, D.	Smith, Arnold
Hall, Richard	Smith, Gordon
Hargreave, Margaret	Smith, Harold
Herringshaw, David	Sollitt, Ida
Hodgson, John	Spencer, W. E.
Holiday, Steve	Spray, Martin
Kingston, Dan	Storer, Lawrence
Langston, Mark	Thompson, May and Peter
Lees, Betty	Vasey, Chris
Lintin Smith, J.	Vickers, Dorothy
Loy, Tony	Waite, Betty and Gerald
Marsden, Colin	Waite, Charles B.
Marshall, David	Walker, T. F.
MacKinnon, M. A.	Ward, A. B.
Miller, Margaret and Alan	Whiteley, Derek
Newbould, John	Wood, Frances
Nicholson, Margaret	Yalden, D.
Parkin, Doris	Yeates, Chris
Preston, Tom	

Additional records from the Dronfield Naturalists,
 Rotherham Naturalists,
 Derby Museum,
 Doncaster Museum,
 Rotherham Museum,
 Sheffield Museum,
 Sheffield University.

FUTURE OF PLANT RECORDING

Now that the work of the last twenty years has been brought together and put into print it is **not**, as might be expected, a time for relaxation and complacency, but rather the opposite. There will be many people who will remark that a particular dot is missing from a certain square. This is only right and proper for a number of reasons.

Firstly the flora is changing, with losses and gains in many areas. Secondly it has not, despite the best of intentions and extreme effort, been possible to cover every square, and finally there are still, despite Margaret Shaw and others, discoveries to be made.

The casual observations, by the reader, could form the basis for an update to this publication if the records are communicated to the society. Further work on squares that are under-recorded is necessary and will be part of the work of the next five years. With the readers' assistance it is hoped to produce the update in the form of a Plant Atlas.

This only leaves me the task of thanking Martin Spray who began this project and Margaret Shaw who saw it through to the end. Those who carry on now, have the first local information since Lees' Flora of West Yorkshire of 1888: one hundred years on.

Please forward all records for vascular plants to:-

Gerry Firkins
111 Lydgate Lane
Sheffield
S10 5FN.

FLORA EXPLANATORY NOTES

NOMENCLATURE AND SYSTEMATIC ARRANGEMENT

Based on The Flora of the British Isles, Second edition 1962, and the Excursion Flora of the British Isles, Third edition 1981, by A. R. Clapham, T. G. Tutin and E. F. Warburg.

A few records outside the above are listed alphabetically at the end of the Flora.

DETAILS OF FLORA ENTRIES

(N) or (I) to the left of the species name denotes native or introduced. Native means throughout the country, not necessarily locally.

The scientific name appears on the left-hand side, with synonyms in brackets.

The English name appears on the right-hand side. The first or only name is the one recommended in English Names of Wild Flowers by J. Dony, S. L. Jury and F. Perring, Edition two 1986, recommended by the Botanical Society of the British Isles. Additional English names in current usage follow.

Old records: The years given are **publication dates** of information sources used. The text may give more precise dating, possibly earlier. e.g. 1889 is the publishing date of J. Salt's list of plants, yet the collection ranged from 1773 - 1809.

In listing entries from all known sources repetition occurs. e.g. (LFWY) includes many of (J. Salt) records; (Linton) repeats some from (PFD).

It should be noted that the text includes the original publication wording and spelling.

The source of old records is given at the end of text. e.g. in most instances (LFWY), (J. Salt), (PFD), (SNC), (Linton)

Recent Records: Where the number of records available are few details are given in the Flora text, usually with appropriate dating, approximate locality and four-figure grid reference.

The majority of plant records warrant a species Grid Map. The appropriate Grid Map No. is given in the text.

GRID MAPS

These follow the Flora and indicate at a glance both range and frequency. Slight discrepancies may appear, due to scale reduction; when in doubt the grid reference should be taken as accurate, in conjunction with 1 : 25,000 O.S. maps SK 27, 28, 29, 37, 38, 39, 47, 48, 49.

ENVIRONMENTAL MAPS OF THE FLORA AREA

Each Grid Map already shows the river system and built-up (dotted) areas of the Flora.

The six environmental maps cover:-

1. The area of the Flora showing -

The present Yorkshire/Derbyshire County Boundary.

The old Yorkshire/Derbyshire County Boundary used at the time of Linton's Flora of Derbyshire (1903) and retained by the Flora of Derbyshire 1969.

The eastern edge of the Peak District National Park.

2. The present Sheffield District Boundary, with parts of Barnsley, Rotherham and Derbyshire coming within the Flora.

The extent of the Parish of Sheffield in 1795. *

The approximate size of the Town of Sheffield in 1771. *

* Based on maps by Wm. Fairbanks and Son in those years.

3. Solid Geology.

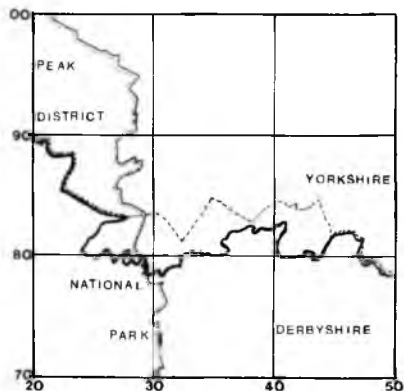
4. Altitude. Estimated from 1 : 25,000 O.S. Maps.

5. Moorland. Estimated on 1 : 50,000 O.S. Maps. Moorland, particularly the western block includes heather, bilberry, cowberry associations, and large areas of cottongrass moor. Under 0.5 sq. km. markings are often marginal land. Isolated patches indicate remnants of heathland and may be very small in extent.

6. Woodland. Estimated from 1 : 50,000 O.S. Maps. Includes deciduous and coniferous woodland.

A sheet of six overlays is also included for comparison with distribution Grid Maps, to provide a concise way of summarising areas covered in the Flora.

1. AREA OF MAPPED FLORA

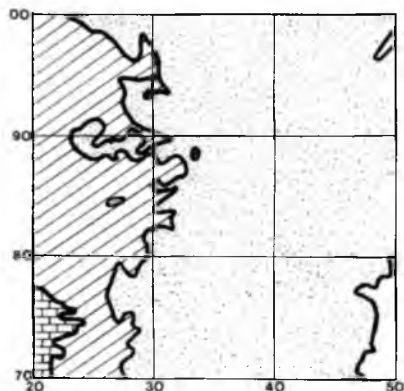


ENVIRONMENTAL MAPS

AREA OF MAPPED FLORA

- PRESENT YORKSHIRE - DERBYSHIRE COUNTY BOUNDARY
- - - OLD COUNTY BOUNDARY
- APPROXIMATE EASTERN EDGE OF PEAK DISTRICT NATIONAL PARK

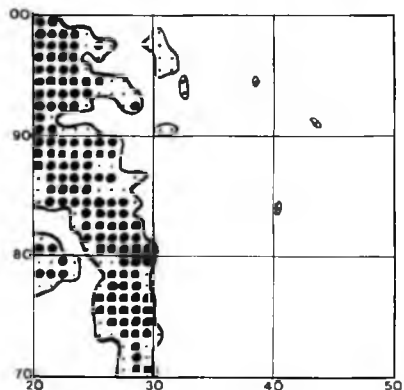
3. SOLID GEOLOGY



SOLID GEOLOGY

- CARBONIFEROUS LIMESTONE SERIES
- COAL MEASURES SERIES
- PERMIAN LIMESTONE SERIES
- MILLSTONE GRIT SERIES

5. MOORLAND



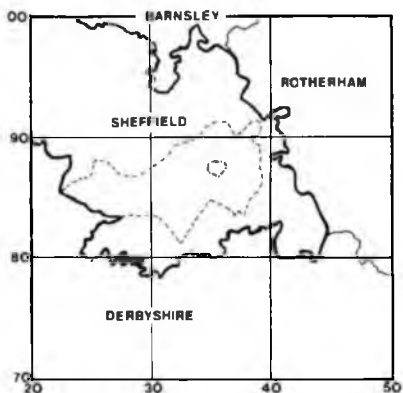
MOORLAND

- < 0.5sq.km.
- > 0.5sq.km.

(see explanatory notes)

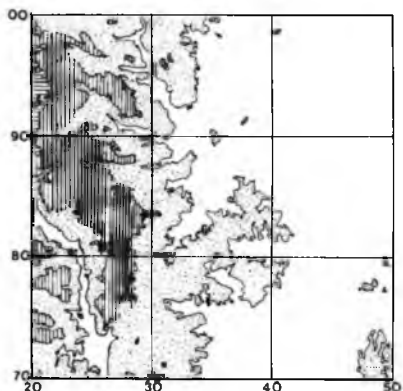
2. SHEFFIELD DISTRICT BOUNDARY

ENVIRONMENTAL MAPS

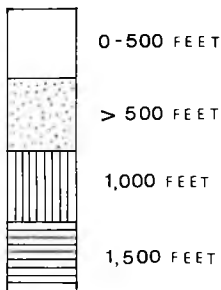


- SHEFFIELD DISTRICT BOUNDARY**
- OTHER DISTRICTS**
- PARISH OF SHEFFIELD 1795**
- SHEFFIELD TOWN 1771**

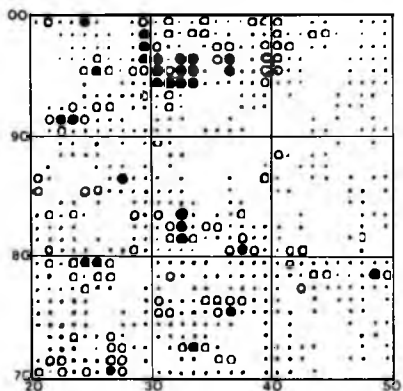
4. ALTITUDE



ALTITUDE



6. WOODLAND

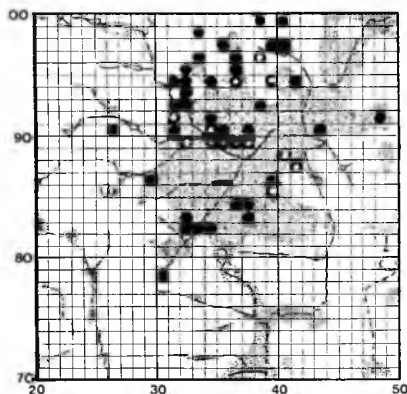


WOODLAND (ALL TYPES)

- < 0.25 sq.km.
- Up to 0.5 sq.km.
- > 0.5 sq.km.

ANCIENT WOODLAND

Comparisons can be made (for part of the Flora Area only) with the following additional map:



- Known ancient woodland still completely or partially wooded.
- Known ancient woodland now lost.

The map details on ancient woodland refer to Sheffield and Rotherham Districts only. A symbol in any 1 km. sq. merely indicates a site, large or small. Thanks are due to Melvyn Jones for his paper in Sorby Record No. 24 (1986) from which the information has been extracted.

INITIALS, NAMES, ABBREVIATIONS

The following comprehensive list is an attempt to explain initials, names and abbreviations appearing in the Flora. Inevitably a few have been untraceable.

Ann. N. H.	Annals of Natural History - C. C. Babington.
Bab. Flo. Camb.	C. C. Babington - Flora - Cambridge.
Bab. Man.	C. C. Babington - Manual of British Botany.
Baker, J. B.	Baker, Journal of Botany. J. G. Baker 1834 - 1920.
B. E. C. Rep.	Botanical Exchange Club Reports - 1876, 1887, 1890, 1891, 1893, 1899, 1900, 1901.
(BF)	Baines' Flora - of Yorkshire. Henry Baines 1793 - 1878.
Birks, Edward	Lectured to Sheffield Literary & Philosophical Society on "Notes on the Flora of Sheffield and District" 1899.
Blake, J. B.	Blake, Journal of Botany.
B. L. Rec.	Report of the Botanical Locality Record Club - 1875, 1878, 1879, 1880, 1884-6.
Bohler, J.	John Bohler 1797 - 1872. Letters on botany of Sheffield and Roche Abbey Districts. Published at irregular intervals in the Sheffield Courant, a defunct newspaper issued first on July 6, 1827. and last on June 13, 1834.
Bot. Com. Stokes	Botanical Commentaries by Jonathan Stokes, 1755 - 1831, of Chesterfield. 1830.
Bradley, A. E.	Sheffield botanist. 1873 - 1944.
Brown, J.	John Brown, Sheffield Botanist. Sorby member during 1940s - 50s. Active recorder through Y.N.U.
Brit. Ass.	British Association for the Advancement of Science.
Carr, Amos	Sheffield botanist. 1829 - 1884.
Cat.	Catalogue.
C.C.B.	C. C. Babington.
C.D.	Contribution (to the Flora of) Derbyshire by W. H. Painter.
C.D.App.	Appendix to the above.
Cyb. Brit.	Cybele Britannica by H. C. Watson.
Dallman, A. A.	Edited North Western Naturalist from 1926 - 1955.
Deakin, Dr. R.	1808/9 - 1873. Settled in practice at Attercliffe, Sheffield in 1833. Keen botanist. Added material to Jonathan Salt's Collection. Joint publisher of "Florigraphia Britannica" in Sheffield Mercury.
det.	determined.
DF	Derbyshire Flora 1969. (Two Supplements 1969 - 74, 1974 - 79).
Drabble, Eric	1877 - 1933. Chesterfield naturalist. Papers in New Phytologist 1906.
ed.	edition.
E.T.	E. Thompson, Y.N.U.
Evelyn's Sylva	John Evelyn 1620 - 1706. "Sylva" 1664.
F. or f.	Form, forma - taxonomic unit inferior to variety.
Fl. or Flo.	Flora.
Flora Sheffieldiensis, Flo. Sheffield	Jonathan Salt's Collection, 1800.

Florigraphia Britannica	See Deakin, Dr. R.
Gard. Chron.	Gardener's Chronicle, new series, London.
Gatty, Rev. Dr. R. A.	Reviser of Hunter's "Hallamshire" 1869 (includes brief account of Sheffield botany).
Gem of the Peak	Written by W. Adams. 4th ed. 1845.
G. Harr. MS.,	George Harrison Manuscript. Stations in Sheffield district communicated in MS. to the Rev. W. W. Newbould by George Harrison.
G.H. MS.	
Gibs. Cam.	Gibson's Camden. Edmund Gibson's edition of Camden's Britannia 1695.
Gibbs, Nat.	Gibbs, The Naturalist. Thomas Gibbs 1865 - 1919. Sheffield solicitor, c. 1890.
Gibson, John	Plant Collector for the Duke of Devonshire. 1815 - 1875.
Glover	R. Glover. History of the County of Derby 1829.
Guide to Sheffield and District	Publication by National Union of Elementary Teachers. 1882.
Harris, C.D.	Harris, Contribution (to the Flora of) Derbyshire 1889.
Harrison, Geo., MS.	See G. Harr, MS.
Hb.	Herbarium.
Hb. Bailey	Herbarium of C. Bailey, 1838 - 1924, Manchester.
Hb. Bicheno	Herbarium of J. E. Bicheno, 1785 - 1851, Swansea, published in The Naturalist November 1902.
Hb. Mason	Herbarium of F. A. Mason, 1878 - 1936, Y.N.U.
Hb. Salt	Herbarium of Jonathan Salt, Sheffield Museum.
Hb. Syme	Herbarium of J. T. I. Boswell-Syme in possession of F. J. Hanbury, Esq., London. 1822 - 1888.
Hb. Tatham	Herbarium of John Tatham, 1793 - 1875. Phytologist 1842.
Hb. Tofield	Herbarium of Thomas Tofield, 1730 - 1779.
Hist.	Historia Plantarum, John Ray.
Hobkirk, C. P.	C. C. P. Hobkirk, 1837 - 1902. Y.N.U.
How, Phyt.	William How, 1620 - 1656. Phytologia Britannica 1650.
ib.	ibid, in the same place.
id.	idem, the same.
JB or J.B.	Journal of Botany.
Jewitt, Arthur	Issued "The history of Buxton and visitors' guide to the curiosities of the Peak" 1811. London.
Johnson, H.	Barnsley Botanist, 1880's to 1918.
J.S.	Jonathan Salt.
(J. Salt)	1889 source of Jonathan Salt's records.
Langley, L.	Larret Langley, flourished 1830s, responsible for the Flora of Rotherham (Mag. Nat. Hist. 1829) and co-author with Rev. W. Moorhouse of local plant list in "Village Magazine or Wath Repository" 1831.
(LFWY)	Lees' Flora of West Yorkshire 1888, source of records.
Limb Valley	Unpublished records, Sorby N.H.S.
(Linton)	Flora of Derbyshire 1903, source of records.
Martyn	Rev. T. Martyn, 1735 - 1825. Edited Philip Miller's Gardener's Dictionary, 2 vols. 1807.

(Memoirs)	Unpublished memoirs of Samuel Doncaster, Sheffield Industrialist and Horticulturist, written 1926, referring to 4th March 1874, his twenty-first birthday. Source of records.
Miall's Flora	L. C. Miall, 1842 - 1921. Flora, West Riding of Yorkshire 1862.
Milnes, C.D.	Milnes, Contribution (to the Flora of) Derbyshire, 1889.
MS., MSS.	Manuscript(s).
(NAT), Nat, Natt.	The Naturalist", publication of the Yorkshire Naturalists' Union. Source of records.
N.B.G.	New Botanist's Guide, by H. C. Watson, 1835.
New Phyt.	New Phytologist publications.
Newbould, Rev. W. W. Newb.	1819 - 1886. Born Sheffield, died Kew. Flora of Woodhouse, near Sheffield, 1881.
N. H. Tutb.	Natural History of Tutbury, 1863.
Nowell, John	1802 - 1867. With J. G. Baker "A Supplement to Baines' Flora of Yorkshire," London 1852.
(NWN)	North Western Naturalist. Publications, source of records.
O.B.G.	Old Botanical Guide.
Painter, J. B.	Painter, Journal of Botany. W. H. Painter, 1835 - 1910, "Notes on the Flora of Derbyshire" 1881, and "Additional Notes on the Flora of Derbyshire" 1889.
Payne, J. H.	Doctor, botanist of Wath, Barnsley 1857 - 1931. "Flora of the Dearne Valley" in MS. lent to F. Arnold Lees in 1877.
Pearsall, W. H.	1891 - 1964. Lecturer in Botany, University of Leeds.
(PFD)	Painter's "Flora of Derbyshire", source of records.
Phyt.	The Phytologist", London, 1844, 1847.
Phyt. N.S.	Phytologist" New Series, 1858, 1861.
Piggott, D.	Lecturer in Botany, University of Sheffield.
Pilkington, J.	Published "An account on Derbyshire Geology" etc. including list of plants.
Ray Cat.	John Ray Catalogue, London 1688.
RGA	R. G. Abercrombie. Prominent member of the Sheffield Literary & Philosophical Society, and Sorby N.H.S. member from 1923. Died 1961.
(J. Salt)	Jonathan Salt, 1759 - 1815, Sheffield Botanist. Herbarium details published 1889, source of records.
Scrimshaw, C. D.	Scrimshaw, Contribution (to the Flora of) Derbyshire.
(SNC)	Sheffield Naturalists' Club, source of records.
Snelgrove, E.	1859 - 1934. Prominent member of Sheffield Naturalists' Club.
Sorby N.H.S.	Sorby Natural History Society, Sheffield.
Sorby Records	Records held by Sorby N.H.S. Recorder for Botany.
S.R.	Sorby Record", annual publication of Sorby N.H.S.
spn(s)	specimen(s).
Stokes Bot. Com.	Dr. J. Stokes, 1755 - 1831. Chesterfield Botanist. Botanical Commentaries 1830.
teste	according to, by witness of, attested by.
Thompson, W.	Botanised in Sheffield area. SNC Report 1910.
Top. Bot.	Topographical Botany. Watson, 2nd ed., Part 1 1873, Part 2 1874.

Towns. O.B.G.	F. Townsend's copy of "Old Botanical Guide" (Yorkshire portion).
Waite, C. B.	Charles Byron Waite, 1908 - 1978. Prominent Sorby member, for many years Recorder for Botany.
S.M.W.	S. M. Walters. Past Sorby member. Joint author of "Mountain Flowers", New Naturalist Series.
Waterfall	Charles Waterfall, 1851 - 1938. Chesterfield Botanist, source of records in (PFD) and (Linton).
Watson, A. T.	Sheffield naturalist 1846 - 1924 (Nat. 1924).
Watson, H. C.	1804 - 1881. "New Botanist's Guide", "Compendium of the Cybele Britannica", "Topographical Botany".
West, J.B.	William West (of Bradford), Journal of Botany.
Wild, C.D.	Wild, Contribution (to the Flora of) Derbyshire, 1889.
Woods, Jos.	Joseph Woods, 1776 - 1864.
Y.N.U.	Yorkshire Naturalists' Union.
Yorkshire Topography - Botany of the Parish of Sheffield	Article on 1911 Report of SNC.
Younge, William	1762-1838. Sheffield doctor. Added material to Salt's Collection about 1802.

“THE FLORA”

PTERIDOPHYTA

LYCOPODIACEAE

(N) **Huperzia selago** (L.) Schrank & Mart. (*Lycopodium selago*) Fir Clubmoss

Old records: 1888 Sheffield High Moors, *J. Salt*; *J. Hardy*; etc. (LFWY).

1889 High moors about 6 miles S.W. of Sheffield, 1799 (*J. Salt*).

1903 Bogs on East Moor, *Glover*; High Moors about six miles S.W. of Sheffield, *Hb. Salt* (Linton).

(N) **Lycopodium clavatum** L. Stag's-horn Clubmoss

Old records: 1888 High Moors, south-west from Sheffield, *J. Salt*, *J. Hardy* etc.; Bradfield 1877 (LFWY).

1889 On the high moor, S.W. of Sheffield (*J. Salt*).

1903 Bogs on East Moor, *Glover*; top of Sir William, Eyam, *Gem of the Peak*; on the high moors S.W. of Sheffield, *Hb. Salt*; Bolehill, Hathersage (Linton).

1942 One patch on low ground near Hathersage, VC 57 R.G.A.

1947 Wyoming Brook, Upper Rivelin Valley, VC 63 J.B.

Records since 1951: Ladybower 2086; Near Grindleford 2376; Hathersage/Grindleford 2379; Froggatt 2476; Agden Dike 2493; Padley Wood 2579; Ewden 2596; quarry heathland near Redmires 2785; Totley 2978; Tip, Sheepbridge 3574; Cobnar Wood 3575.

(N) **Diphasiastrum alpinum** (L.) J. Holub (*Lycopodium alpinum*) Alpine Clubmoss

Old records: 1888 Sheffield high moors, *J. Salt*; not common there *J. Hardy*; Rocks above Abbey Brook, very sparingly (LFWY).

1889 High moors, about 5 miles S.W. of Sheffield (*J. Salt*).

1889 Sir William; Abney Moor, “*Gem of the Peak*” (PFD).

1903 High moors, about 5 miles S.W. of Sheffield, *Hb. Salt*; Near Eyam, *N. H. Tutb* (Linton).

Record: 1972 Ladybower 2086.

EQUISETACEAE

- (N) **Equisetum fluviatile** L. (*E. limosum*) Water Horsetail
 Old records: 1837 "EQUISETUMS" in Rivelin Valley (Holland).
 1889 Marshes and sides of rivers (J. Salt).
 1895 Little London Dam, Heeley; on drying mud, ponds at Wentworth (Naturalist).
 1903 Little London Dam, near Heeley, *The Naturalist*; Totley Moss; pool east of Killamarsh; large pool at Calver; pool by Parkhall Woods; Birleyhay, Ford; Pebley Pond; Harlesthorne, near Clowne (Linton).
 Other records Grid Map No. 1.
- Equisetum x litorale** Kuhlew ex Rupr. (*E. arvense* x *fluviatile*)
 Record: 1985 Sheffield Canal 3888; 1986 R. Don 4091.
- (N) **Equisetum palustre** L. Marsh Horsetail
 Old records: 1889 Watery places near Treeton, near Rotherham (J. Salt).
 1889 About Chesterfield, *Waterfall* (PFD).
 1903 (var. *polystachium*) Nr. Hassop Station (Linton).
 1911 Crookes Moor Dams (SNC).
 Other records Grid Map No. 2.
- (N) **Equisetum sylvaticum** L. Wood Horsetail
 Old records: 1884 Rowel Bridge, Loxley (SNC).
 1888 Beighton, *Geo. Harrison Hb.*; Old park, *J. Salt*; Tinsley Park Wood and Parker Spring, *Amos Carr* (LFWY).
 1889 In a moist place at bottom of Old Park, Sheffield (J. Salt).
 1894 Totley to Holmesfield (SNC).
 1903 Upper Hurst Brook, Bamford about 230 yards; Hay Wood, Grindleford; wooded ravine east of Totley; pool east of Killamarsh; woods near Coal Aston (Linton).
 Other records Grid Map No. 3.
- (N) **Equisetum arvense** L. Field Horsetail, Common Horsetail
 Old records: 1889 Common in moist parts of cornfields (J. Salt).
 1889 About Chesterfield, *Waterfall* (PFD).
 1911 In many cornfields (SNC).
 Other records Grip Map No. 4.
- (N) **Equisetum telmateia** Ehrh. (*E. maximum*) Great Horsetail
 Old records: 1881 "Sheffield" (Naturalist).
 1888 Whamcliffe Woods, *Amos Carr* (LFWY).
 Records since 1968: Hassop Hall grounds 2171; Birchill Bank 2271; Chatsworth 2670; Porter Clough near Carr Bridge 2984; Wadshelf 3170, 3271; Ford near Eckington 4081; Aston 4784; Kings Pond 4990.

OPHIOGLOSSACEAE

(N) **Botrychium lunaria** (L.) Swartz Moonwort

- Old records: 1874 One or two large fields, Whiteley Wood Hall Estate (Memoirs).
1888 Sheffield, *J. Hardy* (LFWY).
1889 Near Toll Gate, Ringinglowe, about 5 miles from Sheffield (J. Salt).
1903 Moors near Brampton; Bar Brook, above Baslow; near Calver Mill Weir, *Gem of the Peak*; Sir William, Eyam (Linton).
1910 Roadsides, Sir William Hill (SNC).

Records since 1966: Old mine hillock near Eyam 2076; Sir William Hill, Grindleford 2178, 2278; Coombs Dale 2274; Bamford 2083; Hathersage 2381; Longshaw 2680; Clarion Hut 2881, 2981; Ringinglow 2983; Strines, road verge 2290.

(N) **Ophioglossum vulgatum** L. Adder's-tongue

- Old records: 1874 In one or two large fields, Whiteley Wood Hall Estate (Memoirs).
1888 Old Park, Sheffield, *J. Salt* (LFWY).
1889 Gathered in a meadow by the footpath between Blackburn Forge and Jordan Dam, 4 miles below Sheffield about 1795; and in moist pastures near the top side of Old Park, Sheffield. (J. Salt).
1889 About Chesterfield, *Waterfall* (PFD).
1903 Fields north side of Hassop; Hood Brook, Hathersage; meadow near Beighton Fields; near Renishaw; Bolsover (Linton).
Other records Grid Map No. 5.

OSMUNDACEAE

(N) **Osmunda regalis** L. Royal Fern

- Old records: 1874 A little valley nearly opposite Ladybower Inn but a little lower down on the opposite side of the stream was full of *O. regalis* (Memoirs).
Records: 1966 Beauchief Hall Pond 3281 (not seen 1985/6).
1976 Middlewood Hall grounds 3192 (planted).
1980 Garden, Belgrave Road 3186.
1986 Car Brook 3986.

HYPOLEPIDACEAE

(N) **Pteridium aquilinum** (L.) Kuhn Bracken

- Old records: 1888 (*Pteris aquilina*) *Salt, Flora Sheffieldiensis*, 1800 (LFWY).
1889 From Crookesmoor, Sheffield; common on heaths and in woods (J. Salt).
1894 Padley; Totley Moss; Holmesfield Common (SNC).
1910 Rivelin moorland, *E. Snelgrove*; Rivelin Valley; Old Park Wood; Ecclesall Wood (SNC).
1911 Common in all woods and moors (SNC).
Other records Grid Map No. 6.

THELYPTERIDACEAE

- (N) **Oreopteris limbosperma** (All.) J. Holub Lemon-scented Fern,
 (Dryopteris oreopteris, Thelypteris limbosperma) Mountain/Sweet Mountain Fern
 Old records: 1888 Common near Sheffield, *J. Hardy*; by the Rivelin near the Paper Mills,
Amos Carr; Rawson Spring, *J. Salt* (LFWY).
 1889 (*Aspidium oreopteris*) From Rawson Spring, a wood near Sheffield (*J. Salt*).
 1895 Streamsides on moors near Dore (NAT).
 1903 (*Lastraea oreopteris*) Moors near Dore; Froggatt; Ramsley Moor, near
 Baslow; by Burbage Brook (Linton).
 1910 (var. *Nephrodium oreopteris*) Rivelin (SNC).
 1910 Rivelin, *E. Snelgrove* (SNC).
 Other records Grid Map No. 7.

- (N) **Phegopteris connectilis** (Michx.) Watt (Thelypteris phegopteris) Beech Fern
 Old records: 1840 (*Polypodium phegopteris*) Bell Hagg 1 mile from Sheffield (BF).
 1888 Rivelin, *J. Salt*; Upper Bradfield (LFWY).
 1899 (*Polypodium phegopteris*) From a moist shady place near Cliffe
 Rocher, 2 miles from Sheffield (*J. Salt*).
 1903 Hood Brook, Hathersage; Abney Clough; Jarvis Clough, Ashopton
 (Linton).
 1910 Upper Bradfield and Oaking Clough, *E. Snelgrove* (SNC).
 Records: 1972 Abney Clough 2079.
 1974 North Lees 2383.
 1977 Stanage Edge 2384.

ASPLENIACEAE

- (N) **Asplenium adiantum-nigrum** L. Black Spleenwort
 Old records: 1888 Rather uncommon in the Sheffield District, *J. Hardy* (LFWY).
 1903 Near Eyam, *Painter, Nat.* (Linton).
 Records since 1964: Abney Clough 2079; Coombs Dale 2274; Grindleford Bridge 2477; Robin
 Hood, Baslow 2872; Bamford 2083; Hathersage railway bridge 2281;
 Hathersage 2380; wall, pipeline support 3974; wall, Totley 3180; Fulwood
 3186; wall, Oakbrook 3285; near station, Oughtibridge 3193; Birley 3292;
 Rotherham 4392.

- (N) **Asplenium billotii** F. W. Schultz Lanceolate Spleenwort
 Old record: 1878 Upper Bradfield (Botanical Trans. of YNU).
 1888 (*A. lanceolatum*) On an old wall and dry road-side bank with a southern
 aspect near Agden Reservoir, Upper Bradfield, *Rev. R. A. Gatty*
 (LFWY).
 1910 Bradfield, *E. Snelgrove* (SNC).

(N) *Asplenium trichomanes* L.

Maidenhair Spleenwort

Old records: 1882 Stoney Middleton (SNC).

1888 Walls, Aldwarke and Eccleshall, *W. W. Newbould*; Cliff Rocher, *J. Salt* (LFWY).

1889 From Cliffe Rocher, near Sheffield (J. Salt).

1889 About Chesterfield, *Waterfall* (PFD).

1903 Froggatt Edge, *Painter. Nat.* (Linton).

Records since 1969: Eyam 2176; Hassop 2272; Coombs Dale 2274; Stoney Middleton 2275; Calver 2374; Froggatt 2476; Grindleford 2478; Longshaw 2680; Linacre Wood 3372; Whirlow Brook Park 3182; Snaithing Park Road 3186; Bannercross Hall 3284; Endcliffe Park 3285; wall Fulwood Road 3286; Ashdell Road area 3386; Crookes Valley Park 3387; Sheffield Canal 3687, 3788; Todwick 4984; Rotherham 4392; Railway Bridge, Swinton 4699.

(N) *Asplenium ruta-muraria* L.

Wall-rue

Old records: 1874 Walls Bannercross Hall (Memoirs).

1882 Stoney Middleton (SNC).

1888 Common in the Sheffield district, *J. Hardy*; old wall Damall, *Amos Carr* (LFWY).

1889 On walls about Norton, near Sheffield (J. Salt).

1894 Norton and Bannercross, *Snelgrove* (SNC).

1895 Wall at Bannercross; wall at Norton (NAT).

1903 Shatton; Grindleford Bridge; Baslow; wall at Norton, *The Naturalist* (Linton).

1910 Norton; near Ecclesall Church (SNC).

1911 Neep's End (SNC).

Other records Grid Map No. 8.

(N) *Ceterach officinarum* DC.

Rustyback

Old record: 1888 Heeley Bridge, near Sheffield, about 1790, *Herb. Salt* (LFWY).

Records since 1969: Ramsley Reservoir 2874; Near Langsett 2099; Chesterfield 3871; Whirlow Park 3082; Bridge, Storth Lane (now gone) 3185; Nether Green 3186; wall, Fulwood 3188; wall, Geer Lane 3980; Ford, near Eckington 4082.

(N) *Phyllitis scolopendrium* (L.) Newman

Hart's-tongue

Old records: 1888 (*Scolopendrium vulgare*) Kiveton, *Amos Carr* (LFWY).

1889 About Chesterfield, *Waterfall* (PFD).

Other records Grid Map No. 9.

ATHYRIACEAE

(N) *Athyrium filix-femina* (L.) Roth

Lady-fern

Old records: 1888 Sheffield, *J. Hardy*; Cliff Rocher, *Amos Carr* (LFWY).

1889 Rawson Spring, a wood near Sheffield (J. Salt).

- 1903 Near Hathersage; Near Fox House Inn; Totley Moss; quarry between Mosbrough and Killamarsh; woods near Coal Aston; Barlow Brook; (var. rhoeticum) Hood Brook, Hathersage; Chatsworth; Bamford; Longstone Edge; (var. incisum) Chatsworth (Linton).
 1910 (var. rhoeticum) Little Matlock, *E. Snelgrove* (SNC).
 Other records Grid Map No. 10.

- (N) **Cystopteris fragilis** (L.) Bernh. Brittle Bladder-fern
 Old records: 1874 Walls of drive to house by Ecclesall Church literally covered top to bottom (Memoirs).
 1889 Gathered at the head of Eyam Dale, Derbyshire, July 1799 (J. Salt).
 1889 About Chesterfield, *Waterfall* (PFD).
 Records since 1973: Eyam 2176; Coombs Dale 2274, 2374; Froggatt Edge 2577; Chatsworth 2670; Hathersage 2381; Longshaw 2680; near Frog Walk 3485.

ASPIDACEAE

- (N) **Dryopteris filix-mas** (L.) Schott Male-fern
 Old records: 1888 (Nephrodium filix-mas) Wharcliffe Woods, *A. Carr* (LFWY).
 1889 From Rawson Spring, a wood near Sheffield (J. Salt).
 1911 Common in woods and lanes (SNC).
 Other records Grid Map No. 11.

- (N) **Dryopteris affinis** (Lowe) Fraser-Jenkins Scaly Male-fern, Golden Scale Male-fern (*Dryopteris borrieri*)
 Old records: 1888 (Nephrodium filix-mas var. borrieri) Old Park Wood, etc. Sheffield, *A. Carr* (LFWY).
 1921 (*D. pseudo-mas*) Hood Hill Plantation; (var. paleacea) Hood Hill Plantation (NAT).
 Other records Grid Map No. 12.

- Dryopteris cristata** (L.) A. Gray Crested Buckler-fern
 Old record: 1889 (*Aspidium cristatum*) From Rawson Spring, a wood near Sheffield (J. Salt).

- (N) **Dryopteris dilatata** (Hoffm.) A. Gray (*D. austriaca*) Broad Buckler-fern
 Old records: 1903 (*Lastraea dilatata*) A very glandular form occurs in moist woods about Hathersage and Grindleford Bridge, on gritstone (Linton).
 Other records Grid Map No. 13.

- (N) **Dryopteris carthusiana** (Vill.) H. P. Fuchs (*D. spinulosa*) Narrow Buckler-fern
 Old records: 1848 (*Lastraea spinosa*) Near Sheffield, *Florigraphia Britannica* (R. Deakin).
 1888 (*Nephrodium spinulosum*) Between Loxley and Bradfield, *Amos Carr* (LFWY).

- 1889 (*Aspidium spinulosum*) Gathered near Rivelin Corn Mill, Sheffield, 1811 (J. Salt).
- 1903 (*L. spinulosa*) Wood by Pebley Pond, Barlborough; Burbage Brook; Moorhole, near Hackenthorpe; Totley Moss; Blake Brook, above Baslow (Linton).
- 1910 (var. *N. spinulosum*) Loxley; (var. *N. spinulosum*) Rivelin, *E. Snelgrove* (SNC).

Other records Grid Map No. 14.

(N) *Polystichum setiferum* (Forskål) Woynar (*P. angulare*) Soft Shield-fern

- Old records: 1889 (*Aspidium angulare*) Gathered by side of a small stream running at the back of Scraith House, near Sheffield (J. Salt).
- 1903 (*P. angulare*) Stand Wood, Chatsworth (Linton).
- Records: 1977 Linacre 3272.
- 1978 Linacre 3372; near Pratt Hall 3273; near Barlow 3375.
- 1979 Little Matlock 3089 (still present 1986).
- 1985 Nether Edge 3484.

(N) *Polystichum aculeatum* (L.) Roth (*P. lobatum*) Hard Shield-fern

- Old records: 1888 (*Aspidium aculeatum*) Back of a house in Old Park, Sheffield, *J. Salt*; not common near Sheffield, *J. Hardy* (LFWY).
- 1889 (*A. lobatum*) Gathered in a shady place by side of a rivulet at the back of Scraith House, near Sheffield (J. Salt).
- 1903 (*P. lobatum*) Chatsworth, *Gem of the Peak*; Longstone Edge (Linton).
- Records since 1969: Middleton Dale 2175; Bretton Clough 2179; Coombs Dale 2274; Nether Loads 3170; Belgrave Road 3186; Linacre 3372; Wilday Green 3375; Woodnook 3472; Grasscroft Wood 3476; near Povey Farm 3881.

(N) *Gymnocarpium dryopteris* (L.) Newman (*Thelypteris dryopteris*) Oak Fern

- Old records: 1874 "A low cliff rising sheer from the water of the Ribbleden Brook, just below the Rivelin Bridge, was coated from top to bottom with Oak Fern" (Memoirs).
- 1881 (*Polypodium dryopteris*) "Sheffield" (NAT).
- 1888 Cliff Rocher, *Amos Carr* (LFWY).
- 1889 (*P. dryopteris*) Cliffe Rocher, Sheffield; and dry stony places near Rivelin Corn Mill (J. Salt).
- 1903 (*Phegopteris dryopteris*) Umberley Brook, low down in the woodland, Chatsworth (Linton).
- 1910 Wharncliffe, *E. Snelgrove* (SNC).
- Records since 1969: Bretton Clough 2078; Abney Clough 2079; Umberley Brook 2672; Ladybower 2086; Little Matlock 2089; Abbey Brook 2092; Strines 2290; quarry, Ewden Valley 2695; Glen Howe 2994; Piper Wood 3476; Beighton 48.

- (N) **Gymnocarpium robertianum** (Hoffm.) Newman (Thelypteris robertiana)
Limestone Fern/Polypody
- Old records: 1903 (Phegopteris calcarea) Middleton Dale, *Glover*; Coombs Dale, near Calver (Linton).
- Records: 1969 Stoney Middleton 2174; Coombs Dale 2274.

BLECHNACEAE

- (N) **Blechnum spicant** (L.) Roth Hard Fern
- Old records: 1888 (B. boreale) In Old Park, Sheffield, frequent *J. Salt* 1800 (LFWY).
1889 Heaths about Chesterfield, *Waterfall* (PFD); (B. boreale) From Old Park Wood, Sheffield (J. Salt).
1895 Moors near Sheffield (NAT).
1903 (Lomaria spicant) Burbage Brook; Froggatt; Eyam Moor; moors near Dore, *Gibbs*; Hood Brook, Hathersage; Totley Moss (Linton).
1910 Little Matlock (SNC).
Other records Grid Map No. 15.

POLYPODIACEAE

- (N) **Polypodium vulgare** L. Polypody
- Old records: 1889 At the roots of oaks in Old Park, Sheffield, plentiful (J. Salt).
1911 Old Park; Grimesthorp Wood, etc. (SNC).
Other records Grid Map No. 16.
- (N) **Polypodium interjectum** Shivas (P. prionodes) Intermediate Polypody
- Record: 1974/79 Coombs Dale 2274.
- Polypodium x mantoniae** Rothm.
- Record: 1974/79 Coombs Dale 2173.

AZOLLACEAE

- (I) **Azolla filiculoides** Lam.
- Records: 1987 Norwood 4782.
1988 Pinch Mill 4790.

GYMNOSPERMAE

PINACEAE

- (I) **Pseudotsuga menziesii** (Mirb.) Franco Douglas-fir
Records: 1970 Grounds of Woodthorpe Hall, Totley 3178.
1982 Wyming Brook 2786.

- (I) **Picea abies** (L.) Karsten Norway Spruce
Records: Broadhay Farm 2280; Redmires 2885; Underbank Reservoir 2499; Bradfield
since 1970: 2590, 2591, 2691, 2692; Limb Valley 3082, 3083; below Whirlow Bridge
3182.

- (I) **Picea sitchensis** (Bong.) Carrière Sitka Spruce
Records: 1970 Underbank Reservoir 2499.
1979 Below Whirlow Bridge 3182.

- (I) **Larix decidua** Miller (L. europaea) European Larch
Records Grid Map No. 17.

- (I) **Larix kaempferi** (Lamb.) Carrière (L. leptolepis) Japanese Larch
Records: Redmires Middle Dam 2685; Totley Brook 3178; Limb Valley 3082, 3083;
since 1971: Grenoside 3394.

- (I) **Cedrus libani** A. Richard Cedar of Lebanon
Records: 1978 Thundercliffe Grange 3793.
1985 Bannercross Hall 3284.

- (N) **Pinus sylvestris** L. Scots Pine
Old record: 1895 Near Strines (SNC).
Other records Grid Map No. 18.

- (I) **Pinus nigra** Arnold Pine
Records: 1969 (ssp. nigra) Grenoside Woods 3395.
1978 (ssp. laricio) Ford Valley 4180.

- (I) **Pinus contorta** Dougl.
Record: 1983 Greno Woods 3296.

TAXODIACEAE

- (I) **Sequoiadendron giganteum** (Lindl.) Bucholz Wellingtonia, Big Tree
(Sequoia wellingtonia, gigantea)
Record: 1960 Limb Valley, planted young trees 3083.

TAXACEAE

(N) **Taxus baccata** L.

Yew

Old records: 1878 Wharncliffe (NAT).

1888 Hedges near Ecclesfield, *J. Salt* 1800; Wharncliffe Woods; near Bradfield and Dalton, *A. Carr* (LFWY).

1889 In hedges between Sheffield and Ecclesfield (*J. Salt*).

1903 Middleton, *The Naturalist*; wood by Pebley Pond (Linton).

Other records Grid Map No. 19.

ANGIOSPERMAE

(DICOTYLEDONES)

RANUNCULACEAE

(N) **Caltha palustris** L.

Marsh-marigold, Kingcup

Old records: 1889 (var. *radicans*) Common in moist meadows; Norton Hammer Nursery, near Sheffield (*J. Salt*).

1903 Blake Brook, near Baslow; Renishaw Canal, *Waterfall*; Horsley Gate; Pebley Pond (Linton).

1911 Frequent in marshy places (SNC).

Other records Grid Map No. 20.

(N) **Helleborus foetidus** L.

Stinking Hellebore

Records: 1966 Gorse Bank Lane 2573.

1983 Roadside woodland, naturalised 2474.

1969 Between Baslow and Stoney Middleton 2473; Totley, one plant 3080.

(N) **Helleborus viridis** L. ssp. **occidentalis** (Reuter) Schiffner

Green Hellebore

Old records: 1889 Bolsover; Woodhouse (PFD).

1903 Bolsover, *Waterfall* (Linton).

(I) **Eranthis hyemalis** (L.) Salisb.

Winter Aconite

Record: 1969 Whirlow Brook Park 3083.

(N) **Aconitum napellus** L. (incl. *A. anglicum* and *A. vulparia*) (usually garden escapes)

Monk's-hood

Records: 1939 Padley Gorge.

1969 Totley Bank Wood 3281; Hassop Hall 2272.

1969/74 Hollins 3271; Spinkhill 4579.

1980 Slayleigh to Tom Lane 3086.

1982 The Roughs 3185.

1983 Pratt Hall 3273.

(I) **Consolida ambigua** (L.) P. W. Ball & Heywood Larkspur
 Records: 1953 Casual, Rivelin Valley, Sheffield (NAT).
 1984 Froggatt, road down to bridge 2476.
 1985 Calver 2374.

(N) **Anemone nemorosa** L. Wood Anemone
 Old records: 1837 (R. nemorosa assumed to be A. nemorosa) By the River Don near
 Brightholmelee (Holland).
 1889 Common throughout the county in woods etc.(PFD); Woods and
 hedges, common (J. Salt).
 1911 Plentiful in all the woods (SNC).
 Other records Grid Map No. 21.

(I) **Anemone ranunculoides** L. Yellow Anemone
 Old record: 1889 Garden specimen (J. Salt).

(I) **Anemone apennina** L. Blue Anemone
 Old record: 1889 Norton Hammer Nursery, near Sheffield (J. Salt).

(I) **Anemone blanda** Schott & Kotschy Greek Mountain Windflower
 Record: 1983 Roadside woodland, naturalised 2474.

(N) **Clematis vitalba** L. Traveller's-joy, Old Man's Beard
 Old records: 1888 Hedge (with Humulus) between Conisbrough and Mexbro; Kiveton,
 Amos Carr (LFWY).
 1894 Heeley, Snelgrove (SNC).
 Records: 1974/79 Near Robin Hood Inn 2871.
 1975 Harthill 4979; Treeton, garden escape 4287.
 1980 Hooton Cliff 4997; railway embankment near Treeton 4287 (site
 destroyed 1988).
 1982 Calver 2375 and 2474 (naturalised).
 1984 Hooton Roberts 4897.

(N) **Ranunculus acris** L. Meadow Buttercup
 Old records: 1888 Salt, 1800 (LFWY).
 1889 Common in meadows and pastures (J. Salt); Common throughout the
 county (PFD).
 1911 Common (SNC).
 Other records Grid Map No. 22.

(N) **Ranunculus repens** L. Creeping Buttercup, Crowfoot
 Old records: 1889 Common in meadows and pastures (J. Salt).
 1894 Norton common (SNC).
 1910 Cooke Wood, E. Snelgrove (SNC).
 1911 Common (SNC).
 Other records Grid Map No. 23.

(N) **Ranunculus bulbosus** L. Bulbous Buttercup
 Old records: 1889 Common in meadows and pastures (J. Salt); Very common through the county (PFD).
 1894 Norton common (SNC).
 1911 Common (SNC).
 Other records Grid Map No. 24.

Ranunculus arvensis L. Corn Buttercup, Corn Crowfoot
 Old records: 1888 Sheffield, Tinsley Park etc., *J. Salt* (LFWY).
 1889 Gathered in a cornfield between Tinsley Park and Brinsworth Common, 3 miles from Sheffield, July 1779; common in cornfields (J. Salt).
 1903 Near the Hague, Renishaw, *Waterfall*; Cutthorpe, Old Brampton; Bolsover; cornfields near Barrow Hill, Chesterfield (Linton).
 Records: 1969 Cartledge, near Holmesfield 3277; Cutthorpe 3473; Newbould 3772.

(N) **Ranunculus sardous** Crantz Hairy Buttercup
 Old record: 1894 (*R. hirsutus*) Loxley Valley (SNC).

(N) **Ranunculus auricomus** L. Goldilocks Buttercup
 Old records: 1888 Road to Darnall from Catcliffe, *G. Harrison Herb.*; Sheffield, *J. Salt* (LFWY).
 1889 Hedges and woods, common (J. Salt); About Chesterfield (PFD).
 1894 Beighton (SNC).
 1895 Between Norton and Eckington (NAT).
 1903 Hague Lane, Renishaw, *Waterfall*; Beighton; Spital, Chesterfield; between Norton and Eckington, *The Naturalist* (Linton).
 Other records Grid Map No. 25.

(N) **Ranunculus lingua** L. Greater Spearwort
 Old record: 1903 Cottage Pond, Chatsworth Adams, *G.P.* (Linton).
 Records: 1960 Rivelin Valley (planted) 2987, 3087.
 1982 Barlow Ponds (planted) 3575.

(N) **Ranunculus flammula** L. Lesser Spearwort
 Old records: 1888 Rotherham District, *L. Langley* 1828; common about Sheffield, *J. Salt* 1800; Waleswood, *A. Carr*; Treeton and Catcliffe, *G.H., M.S.* (LFWY).
 1889 Little London, damside; common about Sheffield, 1798 (J. Salt).
 1894 Burbage Brook (SNC).
 Other records Grid Map No. 26.

(N) **Ranunculus sceleratus** L. Celery-leaved Buttercup/Crowfoot
 Old records: 1888 Near Rotherham, *W. W. Newbould* 1844; Aldwarke, *G. Harr. M.S.* (LFWY).

- 1889 Shallow waters, not uncommon (J. Salt).
 1894 Near Heeley (SNC).
 1895 Between Norton and Heeley (NAT).
 1903 Between Norton and Heeley, *The Naturalist*; Canal side, Staveley (Linton).

Other records Grid Map No. 27.

(N) *Ranunculus hederaceus* L. Ivy-leaved Crowfoot

- Old records:** 1882 Rivelin Valley (SNC).
 1889 Ditches and slow streams, common (J. Salt).
 1894 Dore Moor; Redmires (SNC).
 1903 Dore Moor, *The Naturalist*; Bamford; Abney Clough (Linton).
 1911 In most little streams (SNC).
Records since 1966: Bretton Clough 2179; Emperor Stream, Chatsworth 27; Nether Padley 2578; near Highlow Hall 2280; Wyming Brook 2786; Freebitch 3172, 3173; Moorhall 3175; Donkey Racecourse 3572; Rivelin 3188, 3288.

(N) *Ranunculus omiophyllus* Ten. Round-leaved Crowfoot,
 (R. Lenormandii) Lenormand's Water-crowfoot

- Old records:** 1878 Whamcliffe (NAT).
 1888 Whamcliffe; Bell Hagg. *G. Harr. M.S.*; Eccleshall, *W. W. Newbould. Cyb. Brit. iii* (LFWY).
 1896 Redmires (NAT).
 1903 Hood Brook, Hathersage; Froggatt; Abney Clough; Chatsworth; Baslow (Linton).

Other records Grid Map No. 28.

(N) *Ranunculus fluitans* Lam. River Water-crowfoot, Long-leaved Water-crowfoot
Old records: 1888 In the river Rother; *G. Harr. Hb. M.S.* note in *Newb. Baines*; but Carr's specimens were all *penicillatus* (LFWY).
 1895 Stoney Middleton (SNC).

(N) *Ranunculus circinatus* Sibth. Fan leaved Water-crowfoot,
 Stiff-leaved Water-crowfoot

- Records:** 1958-62 Between Renishaw and Killamarsh, on canal 4681.
 1969 Hathersage 2381; Canal, Killamarsh 48.
 1975 Renishaw Park 4478.

(N) *Ranunculus tricophyllus* Chaix Thread-leaved Water-crowfoot,
 (includes *R. drouetii*) Short-leaved Water-crowfoot

- Old records:** 1888 Ditch near Kiveton Canal, A. Carr (LFWY).
 1903 Whamcliffe deerponds (NAT).
Record: 1969 Linacre 3272.

(N) **Ranunculus aquatilis** L.

Common Water-crowfoot

Old record: 1889 Near Jordan Dam, Sheffield (J. Salt).

Records: 1958-62 Killamarsh 4681.
1969 Mexborough 4899.
1973 Pebley Pond 4879.
1974 Emperor Lake 2670.
1975 Near Wentworth 3998.
1976 Crowhole reservoir 3174.
1978 Harthill Reservoir 4880.
1980 Wath Abdy Farm 4498.

(N) **Ranunculus peltatus** Schrank

Pond Water-crowfoot, Common Water-crowfoot

Old records: 1888 Near Sheffield, A. Carr; (var. floribundus) Pond near Shire-green, Sheffield, Amos Carr; Waleswood, Amos Carr; (forma penicillatus) In the river Rother, near Whiston, A. Carr (LFWY).

1903 (var. floribundus) Wharncliffe deerponds (NAT).
1903 Chatsworth, Baker J.B.; Baslow, Painter, by Beauchief Abbey; in a large pool, about a mile east of Killamarsh; (var. floribundus) Farley Paddocks, Baslow, Painter, J.B.; Pebley Pond, Barlborough (Linton).

Other records Grid Map No. 29.

(N) **Ranunculus penicillatus** (Dumort.) Bab.

Stream Water-crowfoot

(R. pseudofluitans)

Chalk-stream Water-crowfoot

Old records: 1903 (R. pseudofluitans) R. Rother, C. D. App.; R. Doe Lea, near Renishaw, Waterfall (Linton).

Record: 1969 Calver millstream 2475.

(N) **Ranunculus ficaria** L.

Lesser Celandine

Old records: 1837 By the River Don, near Brightholmlee (Holland).

1884 (var. divergens) Whiteley Wood (SNC).

1889 Very common throughout the county (PFD).

1889 (Ficaria verna) Common about Sheffield (J. Salt).

1894 Near Heeley (SNC).

Other records Grid Map No. 30.

(I) **Adonis annua** L.

Pheasant's-eye

Old records: 1888 Field near Wales, two or three specimens, A. Carr (LFWY).

1889 Seen once near Chesterfield (PFD).

1903 (A. autumnalis) A garden weed at Spital, Chesterfield, Drabble (Linton).

(N) **Aquilegia vulgaris** L.

Columbine

Old records: 1888 In Old Park, Sheffield, J. Salt 1800; Rotherham District, L. Langley (LFWY).

1889 In Old Park, Sheffield (J. Salt).

- 1910 Old Park Wood, *Salt, E. Snelgrove* (SNC).
- Records:** 1969 Stoney Middleton 2275; Prathall 3272; Highlightly, Cordwell 3276.
 1972 Disused railway line 2170.
 1980 Hooton Cliff, one plant 4997; Millthorpe 3277.
 1982 The Roughs, garden escape 3185.
- (N) *Thalictrum flavum* L.** Common Meadow-rue
- Old records:** 1888 Rotherham District, 1828, Rother Marshes, Treeton, Wales etc., *A. Carr* (LFWY).
 1889 Gathered by the side of the river between Catcliffe and Canklow Mill, 4 miles from Sheffield, July 1799 (*J. Salt*).
 1889 The Hague, Renishaw, Chesterfield (PFD).
 1903 The Hague, Renishaw, “*Morisonii*?”, *Waterfall* (Linton).
 1910 Rotherham (SNC).
- Records:** 1968 Rivelin 2786.
 1969 Eckington 4480.
 1978 Wyming Brook 2786.
- (N) *Thalictrum minus* L.** Lesser Meadow-rue
- Records:** 1969 (ssp. *minus*) Middleton Dale 2175.
 1971 Ewden Valley 29.
 1972 Killamarsh 4581.

BERBERIDACEAE

- (I) *Epimedium alpinum* L.** Barren-wort
- Old record:** 1865 Meersbrook.
 1894 Meersbrook Park, *Snelgrove* (SNC).
 1937 Meersbrook, Sheffield, 1865 spns. in *Herb. J. Deakin Heaton* now in *Lees' Herb.*, Cartwright Hall, Bradford (NAT).
 1941 Meersbrook, Sheffield, May 1865 spns. in *Herb. J. Deakin Heaton* now in *Lees' Herb.*, Cartwright Hall, Bradford (LFWY Supplement).
- (N) *Berberis vulgaris* L.** Barberry
- Old record:** 1903 Millhouses, near Sheffield, *Painter, Natt.* (Linton).
- Records:** 1969 Hathersage 2082; Froggatt 2476; Longshaw 2578; Chatsworth 2771; Cordwell 3176.
 1977 Hassop 2272.
- (I) *Mahonia aquifolium* (Pursh) Nutt.** Oregon Grape
- Records:** 1960 Limb Valley, escape 3083.
 1987 Old Sewage Works, Tinsley 4091.

NYMPHAEACEAE

(N) *Nymphaea alba* L.

White Water-lily

Old records: 1889 Gathered at Norton, near Sheffield, in Mr. Samuel Shore's Fish Pond, July 1779 (J. Salt).

1903 (*Castalia speciosa*) Norton, *Hb. Salt* (Linton).

Records:

1975 Harlesthorne Pond 4976; Renishaw Lake 4478.

(N) *Nuphar lutea* (L.) Sm.

Yellow Water-lily, Brandy Bottle

Old records: 1888 Rotherham District, *L. Langley* 1828; *A. Carr* 1870; River Rother, *G. Harr.* (LFWY).

1889 (*Nymphaea lutea*) Chatsworth 200 yds. *Baker J. B.*; Renishaw Canal, *Waterfall* (PFD).

1903 (*Nymphaea lutea*) Chatsworth, *Baker J. B.*; pools in Hassop Park; Renishaw Canal, *Waterfall*, *C. D.* (Linton).

1910 Rotherham (SNC).

Other records Grid Map No. 31.

CERATOPHYLLACEAE

(N) *Ceratophyllum demersum* L.

Rigid Hornwort

Records Dam near Storrs Bridge 2890; Wire Mill Dam 3084; Slittingmill Farm 4376;

since 1961: Eckington, The Moss 4080; Ford Pond (still present in 1984) 4080;

Nickerwood Farm Ponds 4684; Mexborough 4899; Firsby 4995.

PAPAVERACEAE

Papaver rhoeas L.

Common Poppy, Field Poppy

Old records: 1845 In cornfields about Sheffield (*Florographia Britannica*).

1889 *About Chesterfield, Waterfall* (PFD).

1889 Common among corn (J. Salt).

1903 Bubnell, Baslow; Chatsworth; about Chesterfield, *Waterfall*, *C. D.*; Sheepbridge; near Hackenthorpe; Eckington; near Beauchief Abbey; Barborough, Clowne; Bolsover (Linton).

1911 Common in cornfields (SNC).

Other records Grid Map No. 32.

Papaver dubium L.

Long-headed Poppy

Old records: 1888 Several places in Eccleshall (with white juice), *W. W. Newbould*, Sheffield, 1859, *Newb.*, *Bab. Flo. Camb.* 302 (LFWY).

1894 Norton Lees (SNC).

1903 Stoney Middleton; about Chesterfield, *Waterfall*, C. D.; Coal Aston (Linton).

Other records Grid Map No. 33.

Papaver lecoqii Lamotte Yellow juiced Poppy, Babbington's Poppy
Old record: 1903 Casual in waste ground, Bamford Station (Linton).

Papaver hybridum L. Rough Poppy, Round Prickly-headed Poppy
Old record: 1911 Common cornfields (SNC).

Papaver argemone L. Prickly Poppy, Long Prickly-headed Poppy
Old records: 1888 Quarry at Crooks Moor, A. Carr 1876; cornfields near the Manor, Sheffield, J. Salt 1800; Manor Farm fields, Sheffield, A. Carr; near Sheffield, W. W. Newbould (LFWY).

1899 Cornfield near Sheffield Manor 1800 (J. Salt).

Records Calver 2375; Between sawmills and Barlow 3474; Top of Gosforth Lane,
since 1980: Dronfield 3577; Whiston, roadside bank, soil imported after wall built 4590.

(I) **Papaver somniferum** L. Opium Poppy
Records: 1969 Longstone Edge 2273; Brockwell 3772.
1979 (ssp. *hortense*) Relic of cultivation 49.
1980 Ulley Reservoir 4587; Whiston 4989; Listerdale 4691.
1985 Sheepbridge 3774; Parkwood Springs 3489.
1987 Crookes 3287; Attercliffe 3788.

(N) **Meconopsis cambrica** (L.) Vig. Welsh Poppy
(garden escapes)
Records Cracknowle Wood 2070; roadside near Froggatt 2476; Nether Padley 2578;
since 1970: Ivy Cottage Lane 3084; Whiteley Woods 3085; Garden Sherwood Glen
3281; Broomhill 3386; Parkwood Springs 3489; Smithywood, Chapeltown
3695.

Chelidonium majus L. Greater Celandine
Old records: 1889 Hedges near Sheffield (J. Salt).
1889 About Chesterfield, *Waterfall* (PFD).
1894 Hemsworth (SNC).
1911 Neep's End (SNC).
1903 The Hague, Renishaw, *Waterfall* (Linton).

Records Disused railway line 2170; High Lee, Wood Lane 2381; Rivelin 2887, 2987;
since 1968: Wortley, Deepcar 2998; Cowley Lane 3377; Oxclose Lane, Gosforth 3378;
Near Dronfield 3577; roadside, Hundall 3877; Beauchief 3282; Ecclesall
3283; Broomhill 3386; Parkwood Springs 3489; Ford 3980; Ballifield 4185;
YEB Stn. R. Don 3490; Rotherham 4391.

FUMARIACEAE

(N) **Corydalis claviculata** (L.) DC. Climbing Corydalis, White Climbing Fumitory

Old records: 1878 Wharnccliffe (NAT).

1888 About Wharnccliffe Lodge, *J. Salt* 1800; Wyoming Brook, *G. Harr., Hb.*; Bradfield Moors, *G.H. M.S.*; Rotherham District sandstones, *L. Langley* 1828 (LFWY).

1889 Rocky places about Rivelin, Sheffield; and Wharnccliffe Lodge (*J. Salt*).

1894 Ecclesall Wood, *Snelgrove* (SNC).

1895 Ecclesall Wood (NAT).

1903 (*Neckeria claviculata*) Chatsworth, *Hb. Mason*; Grindleford, *Painter, Natt.*; Barlow Lees; Brierly Wood, Unstone (Linton).

1910 Rivelin Valley (SNC).

Other records Grid Map No. 34.

(I) **Corydalis lutea** (L.) DC.

Yellow Corydalis, Yellow Fumitory

Old record: 1903 Walton (Linton).

Records: 1969 Eyam 2176.

1984 General Cemetery, Sheffield 3486.

1985 Parkwood Springs 3489.

(N) **Fumaria capreolata** L. ssp. **babingtonii** (Pugsley) P. D. Sell

White Ramping-fumitory

Old records: 1840 Nr. Sheffield (BF).

1889 Cornfield near Sheffield, August 1802 (*J. Salt*).

1894 Norton Lees, *Snelgrove* (SNC).

(N) **Fumaria bastardii** Boreau

Tall Ramping-fumitory

Old records: 1888 (*F. confusa*) Rotherham Dist. *L. Langley* (sub. nom. aggreg.) *Id. Amos Carr*; Sheffield (*Baker*) in *Miall* (sub. aggregate name, *capreolata*); near Sheffield, 1802, *Salt Herb.* is *F. agraria*; hedge of a garden at Catcliffe in 1862, but destroyed in 1864, *G. Harr., M.S.* (LFWY).

(N) **Fumaria muralis** Koch

Common Ramping-fumitory, Wall Fumitory

Old record: 1888 Field near Kimberworth, *A. Carr teste C.C.B.*; Sharrow Bank, Sheffield, *W. W. Newbould* (LFWY).

Records since 1969: Dore and Totley Station 2181; Dronfield (ssp. *boraei*) 3677; Chesterfield 3871.

(N) **Fumaria officinalis** L.

Common Fumitory

Old records: 1889 Common in cornfields (*J. Salt*).

1889 About Chesterfield, *Waterfall* (PFD).

1894 Norton Lees (SNC).

1903 Waste ground, Bamford Station; near Grindleford Bridge, at Stokemoor Wood; about Renishaw; Norton, *Painter, Natt.*; Clown (Linton).

1911 Neep's End, etc. (SNC).

Other records Grid Map No. 35.

CRUCIFERAE

***Brassica oleracea* L.**

Wild Cabbage

Record: 1984 Fitzalan Square, Sheffield 3587 (introduced).

***Brassica napus* L. (including ssp. *oleifera*)** Rape, Cole, Swedish Turnip, Swede

Old records: 1888 Near Sheffield "in cornfields", *J. Salt M.S.* 1800 (LFWY).

1889 Cornfields near Sheffield (J. Salt).

Records since 1969: Underbank Reservoir 2499; Bradfield 2594; Loxley 2890; Donkey Racecourse 3572; Star Cinema 3486; Breck Farm 4276; Rother Valley 4582; Revel Wood 4589; Tinsley Sewage Farm 4091; Templeborough 4191; Power Station Site, Rotherham 4393; River Don 4594, 4595; Thrybergh Tip 4695; canal near Denaby 4899.

***Brassica rapa* (L.) (including ssp. *sylvestris*)** (*B. campestris*)

Wild Turnip, Navew,
Bargeman's Cabbage

Old records: 1903 Bank of River Rother near Eckington Station, *Waterfall*; Beighton (Linton).

Records since 1965: Loxley 2890; Barlow Lees 3376; Cowley Lane 3477; Bradway 3280; Sheffield 3586; Grimesthorpe 3789; Darnall roadsides 3888; Staveley 4376; Clowne 4876; Farm hedgerow 4282; Catcliffe 4288; Beighton 4384; Whiston Brook 4489; Beighton 4582; Aston 4684.

(I) ***Brassica juncea* (L.) Czern.**

Records: 1946 Railway embankment between Woodhouse Mill and Beighton and on rubbish dump in Sheffield (NAT).

***Brassica nigra* (L.) Koch**

Black Mustard

Old record: 1911 (*Sinapis nigra*) Sheffield (SNC).

Records: 1970 Redmires 2885.

1975 Near Wincobank 3890.

1987 Archer Road 3383; Near Park Square 3587.

***Sinapis arvensis* L.**

Charlock, Wild Mustard

Old record: 1889 Common in cornfields (J. Salt).

Other records Grid Map No. 36.

- (I) ***Sinapis alba* L.** White Mustard
 Records: 1947 Arbourthorne, rubbish tip, old quarry (John Brown).
 1969 Nether Padley 2578.
- (I) ***Hirschfeldia incana* (L.) Lagrèze-Fossat** Hoary Mustard
 Record: 1987 Wharncliffe Tip 2996; disturbed ground Sheffield centre 3587.
- (I) ***Diplotaxis muralis* (L.) DC.** Annual Wall Rocket, Stinkweed
 Records: 1969 Middleton Dale 2275; Sheepbridge 3775 -still present 1976.
 1979 Staveley 4174.
 1981 Old Denaby 4898.
 1983 Salisbury Road, Dronfield 3577.
- Diplotaxis tenuifolia* (L.) DC.** Perennial Wall Rocket
 Records: 1970 Beighton 4384.
 1973 Sheepbridge 3774.
 1974 Todwick 4985.
 1975 Staveley 4074; Tinsley 3991.
 1978 Salisbury Road, Dronfield 3577 also in 1981/2.
 1980 Thrybergh tip 4695.
 1982 Sheepbridge 3675.
 1983 Loxley Valley 2989; Northern Common 3177.
 1986 Barrow Road and Hadfield's 3991.
- (I) ***Eruca vesicaria* (L.) Cav. ssp *sativa* (Miller) Thell.** Garden Rocket, Salad Mustard
 Record: 1984 Ouse Road Allotments 3888.
- Raphanus raphanistrum* L.** Wild Radish, White Charlock, Runch
 Old records: 1889 Gathered in a cornfield near Sheffield Manor; among corn, frequent (J. Salt).
 1894 Heeley (SNC).
 1903 Chatsworth; about Renishaw, *Waterfall*; Unstone; near Bramley, Hassop, *Gem of the Peak* (Linton).
 1911 Near Crookes (SNC).
 Other records Grid Map No. 37.
- (I) ***Rapistrum hispanicum* (L.) Crantz.**
 Record: 1974-79 Stonegravels Tip, Chesterfield 3872.
- (I) ***Rapistrum rugosum* (L.) All.** Bastard Cabbage
 Record: 1974-79 Stoney Middleton 2275.
- (I) ***Lepidium sativum* L.** Garden Cress
 Record: Underbank Reservoir 2499.

- (N) **Lepidium campestre** (L.) R. Br. Field Pepperwort
 Old records: 1888 Machon Bank, Sheffield, and Ecclesfield, *W. W. Newbould*; Banks of Rother at Woodhouse, *G. Harr. Hb* (LFWY).
 1889 Near Sheffield (J. Salt).
- (N) **Lepidium ruderae** L. Narrow-leaved Pepperwort
 Records: Coombsdale 2374; Brockwell (garden weed) 3672.
- (N) **Lepidium latifolium** L. Dittander, Broad-leaved Pepperwort
 Record: Tinsley 3890.
- (N) **Coronopus squamatus** (Forskål) Ascherson Swine-cress, Wart-cress
 Old records: 1888 (*Senebiera coronopus*) About Brightside, *Salt Flo.* 1800 (LFWY).
 1889 (*Senebiera coronopus*) About Brightside, Sheffield (J. Salt).
- (I) **Coronopus didymus** (L.) Sm. Lesser Swine-cress
 Records: 1974 Abbeydale Road, recently dug rose bed 3484.
 1983 Rivelin Tip 2887.
 1987 Dog Kennel Wood 4096; Rotherham 4393.
- (I) **Cardaria draba** (L.) Desv. (*Lepidium draba*) Hoary Cress, Hoary Pepperwort
 Old records: 1934 Kiveton Park Station.
 1942 Killamarsh, near the mill (John Brown).
 Records: 1969 Brockwell tip 3771; Callthorpe Halt 3473; Staveley 4473.
 1971 Near Clowne 4975.
 1974 Woodseats Road 3483.
 1975 Oxcroft colliery 4674; Poolsbrook mine 4373.
 1985 Beighton, railway side 4484.
 1986 Near R. Don 3490.
- (I) **Iberis umbellata** L. Garden Candytuft
 Records: 1975 Beaver Hill Road 4185.
 1985 Parkwood Springs 3489.
- Thlaspi arvense** L. Field Penny-cress
 Records: 1939 Malin Bridge, garden weed 3289.
 1969 Brockwell 3772.
 1980 Whiston 4589.
 1984 Wickersley 4791.
 1987 Attercliffe 3788.
- (N) **Teesdalia nudicaulis** (L.) R. Br. Shepherd's Cress
 Old records: 1840 In an old quarry at Crookesmoor, Sheffield (BF).
 1888 Crook's Moor, Sheffield, plentiful, *Salt and Hb. Salt, Flo. Brit.* (LFWY).
 1889 Quarries on Crookesmoor, Sheffield, plentiful (J. Salt).
 1910 Disappeared as far as is known, *E. Snelgrove* (SNC).

- (N) **Capsella bursa-pastoris** (L.) Medicus Shepherd's-purse
 Old records: 1889 Very common through the county (PFD).
 1889 Among rubbish and on walls, common (J. Salt).
 1894 Heeley, *Snelgrove* (SNC).
 1911 Common (SNC).
 Other records Grid Map No. 38.
- (N) **Cochlearia officinalis** group Scurvy-grass
 (including ssp. *alpina* - see *C. pyrenaica*, Excursion Flora)
 Old record: 1911 Mushroom Hall (SNC).
 Records 1974 Hathersage, low down on river bank 2181; Bamford 2082; bank of R.
 (possibly all Derwent between Baslow and Calver New Bridge.
C. pyrenaica): 1982 Near Froggatt Bridge, riverside 2475.
 1985 Near Calver, river bank 2473; near Calver 2475.
- (I) **Lunaria annua** L. Honesty
 Records Coombs Dale tip 2374; Wyming Brook to Rivelin 2784, 2884; Chancet Wood
 since 1972: allotments 3482; Greno Woods 3296; Todwick 4984; Bramley 4892.
- (I) **Lobularia maritima** (L.) Desv. Sweet Alison
 Record: 1975 Old gardens, Handsworth 4087.
 1976 Bow Broom, Swinton 4699.
 1987 Petre Street 3688.
- (N) **Draba muralis** L. Wall Whitlowgrass
 Old record: 1903 About ¼ mile from Cover (Calver) towards Bakewell, *Hb. Salt*; on wall
 of lane from Baslow to Hassop (Linton).
 Records: 1969 Near Eyam 2076; Calver 2474.
 1974 Coombs Dale 2274.
- (N) **Erophila verna** (L.) Chevall. Common Whitlowgrass, Spring Whitlowgrass
 Old records: 1889 (*Draba verna*) Walls and dry places, common (J. Salt).
 1903 (*E. vulgaris*) Eyam Moor; by Robin Hood Inn, and near Far End,
 Baslow; (*E. inflata*) Birchen Edge, near Baslow (Linton).
 1910 Sheffield District (SNC).
 Records since 1969: Cracknowle Wood 2070; Coombs Dale 2274; Peak Pasture 2374; Chequers
 Inn 2475; Grindleford 2477; Longshaw 2579; Owl Bar 2773; Curbar Lane
 2774; Surprise 2580; Hathersage 2381; Below Millstone Inn 2480; Road
 verge 2580; Fox House 2680; Cordwell Valley 3176; Limb Valley 3082; Ford,
 Eckington 4081; Nickerwood Ponds 4684.
- (I) **Armoracia rusticana** P. Gaertner, B. Meyer & Scherb. Horse-radish
 Old record: 1911 Brightside (SNC).
 Other records Grid Map No. 39.

(N) *Cardamine pratensis* L. Cuckooflower, Lady's Smock, Milk Maids

Old records: 1882 Rivelin Valley (SNC).
1889 In moist meadows, very common (J. Salt).
1894 Near Heeley, *Snelgrove* (SNC).
1895 Padley (SNC).
1911 Common (SNC).
Other records Grid Map No. 40.

(N) *Cardamine amara* L. Large Bitter-cress

Old records: 1881 "Sheffield" (NAT).
1882 Rivelin Valley - and in 1884 (SNC).
1888 Rotherham District, *L. Langley*; Beeley Wood, *Salt Herb.*; Wadsley Forge, *J. Salt*; Endcliffe Wood, *W. W. Newbould*; and other places near Sheffield (LFWY).
1889 Whiteley Wood and Beeley Wood, near Sheffield (J. Salt).
1894 Eckington (SNC).
1895 Birleyhay, near Eckington (NAT).
1903 Hood Brook, Hathersage 600ft.; Abney Clough; Birleyhay, near Eckington, *The Naturalist*; (Caldwell) Cordwell Valley, near Dronfield, *Drabble*; Renishaw Canal, *Waterfall* (Linton).
Other records Grid Map No. 41.

(N) *Cardamine impatiens* L. Narrow-leaved Bitter-cress

Records: 1926 Hathersage, one specimen near Church. (Sorby Records)
1973 Wall, near Hassop 2373.

(N) *Cardamine flexuosa* With. Wavy Bitter-cress, Wood Bitter-cress.

Old records: 1888 (*C. sylvatica*) Endcliffe Wood, Sheffield 1863, *W. W. Newbould* (LFWY).
1889 (*C. sylvatica*) Near Renishaw, Chesterfield, *Waterfall* (PFD).
1903 Near Renishaw, *Waterfall*; Barlow Brook; Abney Clough; Froggatt (Linton).
Other records Grid Map No. 42.

(N) *Cardamine hirsuta* L. Hairy Bitter-cress

Old records: 1888 Near Sheffield, *Herb. Salt* - "some of Mr. Salt's specimens seem starved *C. sylvatica*, others on a separate sheet look like *C. hirsuta*", *W. W. Newbould M.S.* (LFWY).
1889 Gathered near Sheffield; dry banks and in moist places, common (J. Salt).
1894 Ecclesall Woods, *Snelgrove*; Blackbrook, Rivelin (SNC).
Other records Grid Map No. 43.

(N) *Cardamine bulbifera* (L.) Crantz (*Dentaria bulbifera*) Coralroot, Coral-wort

Record: 1969 Graves Park 3582, introduced.

- (N) **Barbarea vulgaris** R. Br. Winter-cress, Yellow Rocket
 Old records: 1889 Mr. Sheldon's Lodge, New Road, also sides of running streams, frequent (J. Salt).
 1894 Beighton (SNC).
 1895 Beighton, Stoney Middleton (NAT).
 1903 Limb Brook, near Dore Station; Stoney Middleton, *The Naturalist*; near Hathersage; Beighton, *The Natt.*; by the canal, Killamarsh (Linton).
 1911 (*Erysimum barbarea*) Brightside, Neep's End etc. (SNC).
 Other records Grid Map No. 44.
- (I) **Barbarea stricta** Andr. Small-flowered Winter-cress, Small-flowered Yellow Rocket
 Record: 1983 Ashdell Road, derelict garden (now gone) 3386.
- (I) **Barbarea intermedia** Boreau Medium-flowered Winter-cress, Intermediate Yellow Rocket
 Record: 1969 Middleton Dale 2275.
 1983 Rivelin Tip 2887.
- (I) **Barbarea verna** (Miller) Ascherson American Winter-cress, Early-flowering Yellow Rocket
 Old record: 1888 (*B. praecox*) Field at Oughtibridge, *Geo. Harr. M.S.* (LFWY).
 Record: 1974 Rivelin 2987.
- (I) **Arabis caucasica** Schlecht. Garden Arabis
 Records Stoney Middleton 2375; Froggatt Bridge 2476; Chapelton 3496; Hadfield's, since 1969: Tinsley 3991.
- (N) **Arabis hirsuta** (L.) Scop. Hairy Rock-cress
 Old records: 1895 (*A. sagittata*) Banner Cross (NAT).
 1903 Roadside near Fox House, *The Naturalist*; Hathersage; Heathy Lea, Baslow (Linton).
 1910 Sheffield District; Rotherham (SNC).
 Records Railway near Great Longstone 2071; Coombs Dale 2274; Stoney Middleton since 1969: 2275; Froggatt Edge, shaded road bank 2577; Birchen Edge 2871; Hathersage 28; Near Totley Rise 3178.
- (N) **Arabis glabra** (L.) Bernh. Tower Mustard, Tower Rock-cress
 Old records: 1888 (*A. perfoliata*) Rotherham District, *L. Langley* 1828 (LFWY).
- (N) **Nasturtium officinale** R. Br. (*Rorippa nasturtium-aquaticum*) Water-cress, Green/Summer Water-cress
 Old records: 1889 Common in spring and brooks (J. Salt).
 1889 About Chesterfield, *Waterfall* (PFD).
 1903 Abney Clough; near Hathersage; Calver; about Renishaw, *Waterfall* (Linton).

Records since 1969: Longstone Edge 2073; Hassop Hall 2172, 2272; Calver Mill 2474; Calver New Bridge 2475; Froggatt 2476; Baslow 2572, 2672; Hathersage 2181; Barlow 3475; Brockwell Lane 3672; Crookes Cemetery 3287; R. Don 3488, 3588, 3587; Graves Park 3581; Middlewood, R. Don 3192; Hoover 4098.

(I) **Erysimum cheiranthoides** L.

Treacle Mustard

Records: 1945 Arbourthorne V.C. 63 (J. Brown).
 1946 Thornccliffe, Nr. Sheffield (NAT).
 1969 Brookside 3470; Stonegravel 3872.
 1979 Wortley Forge 2999.
 1980 Garden, Springvale 3287; Horsleygate Lane 3177.
 1985 Timberyard, former sidings 3586.
 1986 Island in R. Don 3688.

(I) **Cheiranthus cheiri** L.

Wallflower

Record: 1969 Middleton Dale 2275.
 1986 Lower River Don 3991.
 1988 Todwick 4984.

(N) **Alliaria petiolata** (Bieb.) Cavara & Grande

Garlic Mustard, Jack-by-the-hedge

Old records: 1888 (*Sisymbrium alliaria*) Recorded for every district (LFWY).
 1889 (*Erysimum alliaria*) Common throughout the county (PFD).
 1889 (*Alliaria officinalis*) Common in hedges and shady places (J. Salt).
 1895 (*S. alliaria*) Norton Woodseats (SNC).
 1911 Common in hedges (SNC).
 Other records Grid Map No. 47.

(N) **Sisymbrium officinale** (L.) Scop.

Hedge Mustard

Old records: 1889 Hedges and roadsides, common (J. Salt).
 1894 Rotherham (SNC).
 Other records Grid Map No. 48.

(I) **Sisymbrium orientale** L.

Eastern Rocket

Old record: 1947 Arbourthorne V.C. 63 (J. Brown).
 Other records Grid Map No. 49.

(I) **Sisymbrium altissimum** L.

Tall Rocket

Old records: 1942 Canklow, near Rotherham V.C. 63 (J. Brown).
 1947 Arbourthorne V.C. 63. (J. Brown).
 Other records Grid Map No. 50.

(N) **Arabis thaliana** (L.) Heynh.

Thale Cress

Old records: 1888 (*Arabis thaliana*) At Upperthorpe, Sheffield, J. Salt 1800, Crooks Moor, Sheffield, A. Carr (LFWY).

1889 (*Sisymbrium thaliana*) Common in dry sandy places at Upperthorpe, Sheffield (J. Salt).

Records since 1969: Hassop 2272; Combes Dale 2274; Calver 2276, 2374, 2375 and 2475; Cliff College 2474; Bamford 2082; Hathersage Booths 2480; Rivelin Tip 2887; Whirlow Park 2082; Limb Valley 3083; Ecclesall Wood 3182; Oakbrook Road 3285; Graves Park 3582; Wentworth 3898; Tinsley 3991.

(I) ***Camelina sativa* (L.) Crantz** Gold-of-Pleasure
Old records: 1840 Near Rotherham (BF).
1888 Rotherham District, *L. Langley*; near Rotherham, *H. Baines* (LFWY).
Records: 1969-74 Hady 3970; Marsh Lane 3978.

***Descurainia sophia* (L.) Prantl** Flixweed
Old records: 1888 (*Sisymbrium sophia*) Near Aldwarke Bridge, *Salt Flo.*, 1800 (LFWY).
1889 (*Sisymbrium sophia*) Near Aldwarke Bridge (J. Salt).

RESEDACEAE

(N) ***Reseda luteola* L.** Weld, Dyer's Rocket
Old records: 1888 Aldwarke, *G. Harr. M.S.*; Kiveton, *A. Carr*; common in uncultivated places, *Salt Flo.* 1800 - but Salt's Sheffield Flora area was a wide one. Only noticed on the Doncaster side of Sheffield, *W. W. Newbould* (LFWY).
1889 Common in uncultivated places (J. Salt).
1889 About Chesterfield, *Waterfall* (PFD).
1894 Thrybergh (SNC).
1903 Beighton; Staveley Works, about slag-heaps, *Waterfall* (Linton).
1911 Sheffield Park (SNC).
Other records Grid Map No. 51.

(N) ***Reseda lutea* L.** Wild Mignonette
Old records: 1888 Rotherham (limestone) district, *L. Langley*; about Kiveton (LFWY).
1889 Eyam, *Carr* (PFD).
1903 Bank, near Bamford station; near Killamarsh Station (Linton).
Other records Grid Map No. 52.

VIOLACEAE

(N) ***Viola odorata* L.** Sweet Violet
Old records: 1884 Wadsley (SNC).
1888 Town Cross Lane, between Sheffield and Grimethorpe, *J. Salt* (LFWY).
1889 In Tom Cross Lane, between Sheffield and Grimethorpe (J. Salt).

- 1889 About Chesterfield, *Waterfall* (PFD).
 1894 Padley (SNC).
 1903 Hathersage; about Renishaw, *Waterfall*; near Norton, *Painter, Natt.*; Bolsover; Clowne; (forma alba - near Norton, *Painter, Natt.*) (Linton).
 1911 Brightside etc. (SNC).

Records since 1969: Cutthorpe 3473; Renishaw Park 4478; Hooton Roberts 4896, 4897, 4996; Hooton Cliff 4997. Also recorded for 27, 37 and 47.
 (forma alba) at Hassop 2272 and abundant roadside near Bramley Farm 2473.

(N) *Viola hirta* L.

Hairy Violet

Old record: 1894 Kiveton Park (SNC).

Records since 1969: Middleton Dale 2175; Sir William Hill 2177; Coombs Dale 2274; Moorhay Plantation 3072; Linacre 3272; Hooton Cliff 4997.

(N) *Viola riviniana* Reichenb.

Common Dog-violet

Records Grid Map No. 53.

(N) *Viola reichenbachiana* Boreau

Early Dog-violet, Pale Wood Violet

Old records: 1882 Rivelin Valley (SNC).

1889 (*V. sylvatica*) About Chesterfield, *Waterfall* (PFD).

1894 (*V. sylvatica*) Ecclesall Wood (SNC).

Other records Grid Map No. 54.

(N) *Viola canina* L.

Heath Dog-violet

Old records: 1889 Very common about Sheffield (J. Salt).

1894 Loxley Valley (SNC).

1911 Common (SNC).

Records: 1950 Sickley Bottom 3993.

1971 Wales 4782.

1980 Rotherham District 49.

(N) *Viola palustris* L.

Marsh Violet

Old records: 1840 Marsh on Crookes Moor, near Sheffield (BF).

1882 Rivelin Valley (SNC).

1889 Marsh on Crookesmoor, Sheffield 1803, plentiful (J. Salt).

1894 Ecclesall Wood (SNC).

1895 Ecclesall Wood. Common in bogs on moors (NAT).

1910 Ecclesall Wood, Rivelin, *E. Snelgrove* (SNC).

Other records Grid Map No. 55.

(N) *Viola lutea* Hudson

Mountain Pansy

(including blue-flowered)

Old records: 1889 Chatsworth Park; near Middleton Dale, Derbyshire, 1798 (J. Salt); Eyam, *Carr* (PFD).

1903 Near Middleton Dale, *Hb. Salt*; N. of Hassop, 300 yards; Longstone Edge; Eyam Moor; Chatsworth, *Pilkington* (Linton).

1910 (f. *amoena*) Roadsides, Sir William Hill (SNC).

Records since 1969: Middleton Dale 2175; Sir William Hill road 2177; Deep Rake 2273; Coombs Dale 2173, 2274; Freebitch 3073.

(N) *Viola tricolor* L.

Wild Pansy, Heartsease

Old records: 1889 Very common about Sheffield (J. Salt).

1889 About Chesterfield, *Waterfall* (PFD).

1903 Hathersage; about Chesterfield, *Waterfall C. D.* (Linton).

1911 Common (SNC).

Other records Grid Map No. 56.

(I) *Viola x wittrockiana* Gams.

Garden Pansy

Record: 1987 Whamcliffe Tip 2995.

(N) *Viola arvensis* Murray

Field Pansy

Old records: 1884 Stannington (SNC).

1889 About Chesterfield, *Waterfall* (PFD).

Other records Grid Map No. 57.

POLYGALACEAE

(N) *Polygala vulgaris* L.

Common Milkwort

Old records: 1837 "Pretty blue and the delicate white varieties of *Polygala*" Rivelin (Holland).

1884 Rivelin (SNC).

1888 Kiveton, A. Carr (LFWY).

1889 Common on heaths and in pastures (J. Salt).

1894 Near Oughtibridge; Ringinglow; Ewden (SNC).

1903 Grindleford, *Painter, Natt.*; in low ground north of Troway; woods S.E. of Westthorpe; Barlborough Low Common; east of Totley (Linton).

1911 On most uncultivated banks (SNC).

Other records Grid Map No. 58.

(N) *Polygala serpyllifolia* J.A.C. Hose

Heath Milkwort, Thyme-leaved Milkwort

Old records: 1884 Rivelin (SNC).

1903 Chatsworth, *Bindley*; Abney Clough; Froggatt; Hathersage; Bamford; roadside near Fox House Inn, *Gibbs*; between Smeekey Wood and Fox Lane Plantation (Linton).

Other records Grid Map No. 59.

HYPERICACEAE

(N) *Hypericum androsaemum* L.

Tutsan

- Old records: 1840 Crooks Wood, near Sheffield (BF).
1888 In Cooke Wood, near Sheffield, *Salt*, *Flora* and *O. B. G.* -misprinted Crooks Wood in *Bains* (LFWY).
1889 In Cooke Wood, near Sheffield (J. Salt).
Other records: 1974 Dronfield 37.
1980 Farwater Lane, Dronfield 3578.

(I) *Hypericum calycinum* L.

Rose-of-Sharon, Aaron's Beard

- Record: 1982 The Roughs 3185.

(N) *Hypericum perforatum* L.

Perforate St. John's-wort

- Old records: 1837 Bankside, Rivelin Valley (Holland).
1888 *Salt*, 1800 (LFWY).
1889 Old Park wood, Sheffield, 1799; common in woods and thickets (J. Salt); about Chesterfield, *Waterfall* (PFD).
1894 Totley to Holmesfield; near Holmesfield (SNC).
1903 Bamford; Chatsworth; about Renishaw, *Waterfall*; near Norton; Coombs Dale, near Calver; Bramley, near Hassop (Linton).
1911 Brightside etc. (SNC).
Other records Grid Map No. 60.

(N) *Hypericum maculatum* Crantz

Imperforate St. John's-wort

- Old records: 1884-5 Sheffield (NAT).
1888 By the Don above Sheffield, various places, *J. Salt* 1800; still by the Don in many places, *A. Carr* 1876; near Brightside *Deakin* in *Herb. Salt* (LFWY).
1889 Near Brightside; and various places near the River Don, above Sheffield (J. Salt).
1910 Near Spooner Wheel, Rivelin, *E. Snelgrove* (SNC).
Other records Grid Map No. 61.

(N) *Hypericum tetrapterum* Fries (H. quadrangulum) Square-stalked St. John's-wort

- Old records: 1837 (H. quadrangulum) Bankside, Rivelin (Holland).
1889 (H. quadrangulum) New road this side Totley, plentiful; and Old Park wood, Sheffield 1799 (J. Salt).
1889 Wood near Renishaw, Chesterfield, *Waterfall* (PFD).
1903 Hood Brook, Hathersage; Bamford; Froggatt; near Owler Bar, *Gibbs*; roadside Totley towards Sheffield, *Hb. Salt*; by a large pool a mile east of Killmarsh; by Pebley Pond; Barlborough Low Common (Linton).
1911 (H. quadrangulum) Club Mill etc. (SNC).
Other records Grid Map No. 62.

(N) *Hypericum humifusum* L.

Trailing St. John's-wort

Old records: 1837 Bankside, Rivelin (Holland).

1888 Crook's Moor, Sheffield, *Herb. Salt*; Don bank, Wadsley, *Geo. Harr. Hb.* (LFWY).

1889 Crookesmoor, Sheffield (J. Salt).

1894 Crook's Moor and etc. (SNC).

1903 Below Hathersage; Edensor, *Wild, C.D.*; Cutthorpe; Brampton; Crowhole, near Barlow (Linton).

1911 Crookes Moor etc. (SNC).

1946 High Green, near Sheffield, *J. A. Home* (NAT).

Other records Grid Map No. 63.

(N) *Hypericum pulchrum* L.

Slender St. John's-wort

Old records: 1837 Bankside, Rivelin Valley (Holland).

1888 Earliest notice, *Salt* 1800 (LFWY).

1889 Old Park Wood, Sheffield, July 1794, plentiful (J. Salt).

1894 Bell Hagg (SNC).

1903 Near Eyam; Bamford; Abney; Eyam Moor; Froggatt; Killamarsh; Westthorpe (Linton).

Other records Grid Map No. 64.

(N) *Hypericum hirsutum* L.

Hairy St. John's-wort

Old records: 1888 Thicket near Brightside, *Herb. Salt* (LFWY).

1889 From a rough bank between Brightside Paper Mill and Blackburn Forge, below Sheffield (J. Salt).

1894 Brightside Paper Mill etc. (SNC).

1903 Barlborough; between Hassop and Baslow (Linton).

1911 Brightside Paper Mill etc. (SNC).

Records since 1961: Railway near Great Longstone 2071; disused railway line 2170; Middleton Dale 2175; Hassop Mines 2273; Coombs Dale 2274; Stoney Middleton 2275, 2374; Calver New Bridge 2474; Near Grindleford 2479; Thorncliff Wood 3498; Harthill Reservoir 4879; Pebley Sand Quarry 4978; Orgreave 4286; Hooton Roberts 4896; Hooton Cliff 4997.

(N) *Hypericum montanum* L.

Pale St. John's-wort, Mountain St. John's-wort

Old record: 1911 Near Club Mill etc. (SNC).

(N) *Hypericum elodes* L.

Marsh St. John's-wort

Old records: 1878 Rivelin (Bot. Trans. of YNU).

1881 "Sheffield", (NAT).

1884 Rivelin (SNC).

1888 In a bog near Cliff Rocher, above Sheffield, *Salt, Flora* 1800; refound 'head of Rivelin Valley' by A. Carr in 1876-7 (LFWY).

1889 In a bog near Cliffe Rocher, near Sheffield (J. Salt).

- 1894 Near Club Mill and etc. (SNC).
 1910 Reported 30 years ago, FIR BOG in upper part of the valley, Rivelin, *E. Snelgrove*; Cliff Rocher, *E. Snelgrove* (SNC).
 1944 Plentiful on a very spongy bog close by the stream which flows into the Agden Reservoir at Bradfield. This station was shown to me by *Mr. L. E. Ecclestone*, a member of the Sorby Society. I was pleased and delighted with his finds for hereabouts were also *Scutellaria minor*, *Anagallis tenella*, *Drosera rotundifolia*, *Scirpus setaceus* and *Carex pulicaris*. *John Brown* (NWN).

Record: 1983 Bradfield 2592.

Note: A very doubtful record appears for Beauchief Pond in 1931 (Sorby Records).

CISTACEAE

(N) ***Helianthemum nummularium*** (L.) Miller (*H. chamaecistus*) Common Rock-rose

Old records: 1888 Kiveton, A. Carr (LFWY).

1888 (*H. vulgare*) Stoney Middleton (SNC).

1903 Bolsover; Clowne; Longstone Edge; Middleton Dale (Linton).

Records since 1966: Longstone Edge 2073; Middleton Dale 2175; Hassop 2271; Coombs Dale 2274, 2374, 2473; Pebley Sand Quarry 4978.

CARYOPHYLLACEAE

(N) ***Silene dioica*** (L.) Clairv. (*Melandrium rubrum*) Red Campion

Old records: 1894 Ecclesall Woods (SNC).

1911 (*Lychnis dioica*) Crooks Moor, Brightside etc. (SNC).

Other records Grid Map No. 65.

(N) ***Silene alba*** (Miller) E.H.L. Krause (*M. album*) White Campion

Old record: 1889 (*Lychnis vespertina*) Common in hedges and moist woods (J. Salt).

Other records Grid Map No. 66.

(N) ***Silene dioica* x *alba***

Records: 1986 Hooton Brook Osiers 4796; Syke's Quarry 4981.

(N) ***Silene noctiflora*** L. (*M. noctiflorum*) Night-flowering Catchfly

Old records: 1894 A garden weed, Norton Lees (SNC).

1895 A garden weed at Norton Lees (NAT).

1903 Garden weed at Norton Lees, *The Naturalist* (Linton).

Records: 1969 Whirlow 3182.

1978 Dog Kennel Pond 4096.

1980 Weed in garden at Dronfield 3578.

(N) *Silene vulgaris* (Moench) Garcke (*Silene cucubalus*) Bladder Champion

Old records: 1889 (*S. inflata*) About Chesterfield, *Waterfall* (PFD).

1903 Middleton Dale, *Gibbs*; Froggatt; Hathersage; between Hassop and Baslow; about Renishaw, *Waterfall*; Eckington, *Gibbs*; Near Eyam; Mosbrough; Beighton (Linton).

1911 (*Cucubalus behen*) Frequent in cornfields on Crooks Moor (SNC).

Other records Grid Map No. 67.

(N) *Silene maritima* With. Sea Champion

Old record: 1889 Grown in garden at Norton, near Sheffield (J. Salt).

(I) *Silene dichotoma* Ehrh. Forked Catchfly

Old records: 1944 Solitary plant on waste in disused quarry at Sheffield; Rubbish dump, Arbourthorne, Det. Kew *John Brown* (NWN).

(N) *Silene gallica* L. Small-flowered Catchfly

Old record: 1889 Garden specimen, Wentworth House, 1803 (J. Salt).

(N) *Silene nutans* L. Nottingham Catchfly

Old records: 1882 Stoney Middleton (SNC).

1889 Middleton Dale, Derbyshire, July 1799 (J. Salt).

1894 Stoney Middleton (SNC).

Records: 1969 Middleton Dale 2275.

1973 Middleton Dale 2175.

(N) *Lychnis flos-cuculi* L. Ragged-Robin

Old records: 1889 Common in moist meadows (J. Salt).

1894 Near Fox House (SNC).

1911 Upperthorpe, Fulwood etc. (SNC).

Other records Grid Map No. 68.

(I) *Agrostemma githago* L. Corncockle

Old records: 1837 'Gaudy Lychnis' Rivelin Valley (Holland).

1889 Cornfields between Sheffield and Rotherham, frequent (J. Salt).

1889 (*Lychnis githago*) Between Bakewell and Hathersage, *Milnes*; about Chesterfield, *Waterfall* (PFD).

1894 Norton Lees amongst the corn (SNC).

1903 (*L. githago*) Between Bakewell and Hathersage, *Milnes*, C. D.; Far End, Baslow; about Renishaw, *Waterfall*; Norton, *Painter* (Linton).

1911 Common in cornfields (SNC).

1946 Newly ploughed field, Bolsterstone, Ewden Valley, *John Brown* (NAT).

(N) *Dianthus armeria* L. Deptford Pink

Old records: 1888 Brightside, Sheffield, *Mr. Bohler*, *W. W. Newbould*, *M.S.* in *Baines Flora* (LFWY).

1903 Edensor, *Glover*; In a seed field, near Renishaw, *Waterfall* (Linton).

- (I) **Dianthus barbatus** L. Sweet-William
Record: 1985 Parkwood Springs 3489.
- (I) **Dianthus caryophyllus** L. (D. arenarius) Clove Pink
Old record: 1903 "Near Edensor" (Linton).
- (N) **Dianthus deltoides** L. Maiden Pink
Old records: 1903 Chatsworth, *Smith M.S.s.*; Hills between Bakewell and Chatsworth, *Pilkington* (Linton).
Records: 1969 Hassop 2373 (Still present 1987).
1987 Deep Rake 2273; Calver 2474.
- (I) **Vaccaria hispanica** (Miller) Rauschert Cowherb
Record: 1969-74 (V. pyramidata) Coombs Dale 2374.
- (N) **Saponaria officinalis** L. Soapwort
Old records: 1888 Rotherham, L. Langley; Banks of the river below Sheffield, *J. Salt*,
1800; Aldwarke, *Geo. Harr.* (LFWY).
1889 Banks of the river below Sheffield (*J. Salt*).
1911 Banks of the Don, near Attercliffe (SNC).
Other records Grid Map No. 69.
- (N) **Cerastium arvense** L. Field Mouse-ear
Old records: 1884 Kiveton (SNC).
1941 Near Ladywash Farm/Sir William (John Brown).
Records: 1978 Bow Bridge 4292; Wath 4399.
- (I) **Cerastium tomentosum** L. Snow-in-summer, Dusty Miller
Records since 1972: Calver Sough 2375; Fox Hagg 2886; Haighenfield 2991; Embankment 3576;
Parkwood Springs 3489; Claywood 3586; Tankersley 3499; Canal by R. Don
3991; Kilnhurst Station 4698.
- (N) **Cerastium fontanum** Baumg. ssp. **glabrascens** (G. F. W. Meyer) Common Mouse-ear
Salman et al. (*C. vulgatum*; *C. holosteoides*)
Old record: 1889 (*C. vulgatum*) On Crookesmoor, Sheffield (*J. Salt*).
Other records Grid Map No. 70.
- (N) **Cerastium glomeratum** Thuill. Sticky Mouse-ear
Old records: 1882 Rivelin Valley (SNC).
1888 Crooks Moor, Sheffield, *J. Salt* (LFWY).
1889 (*C. viscosum*) on Crookesmoor, Sheffield (*J. Salt*).
1894 Ecclesall Wood, *Snelgrove* (SNC).
1895 Ecclesall Woods (NAT).

Records since 1969: Chequers 2475; Hathersage 2380, 2580; Wigley 3172; Ecclesall Wood 3182; Beauchief 3381; Archer Road 3383; Brimington 4172; Beighton Mill, Tail Goit 4385; Whiston 4489; Wingfield 4095; Greasborough 4096; Hoover 4098; Power Station, Rotherham 4393; Parkgate 4394; Wath 4399.

(N) *Cerastium diffusum* Pers. (*C. atrovirens*; *C. tetrandrum*) Sea Mouse-ear,
Dark-green Mouse-ear

Records: 1975 Dore & Totley Station 3281; Oughtibridge 3193.
1976 Woodhouse Mill 4386.
1985 Bamford 2082; Sheepbridge 3774; Old sidings 3787; Near Catcliffe 4187; Orgreave 4386.
1987 Near Park Square 3587.

(N) *Cerastium semidecandrum* L. Little Mouse-ear

Old records: 1888 Crook's Moor, Sheffield, *Salt Herb.* (LFWY).
1889 On Crookesmoor, Sheffield (J. Salt).

Records since 1969: Sir William Hill 2177; Coombs Dale 2274; Owl Bar 2773; Underbank Reservoir 2499; Bradfield 2590, 2591, 2594, 2691, 2692; Hooton Roberts, gravel pit 4997.

(N) *Myosoton aquaticum* (L.) Moench (*Stellaria aquatica*) Water Chickweed

Old records: 1888 (*Stellaria aquatica*) Rotherham District, *L. Langley*, 1828; by Don at Aldwarke Carr, *A. Carr*, 1875 (LFWY).
1889 (*Cerastium aquaticum*) Near Eckington, not common, *Waterfall* (PFD).
1903 (*S. aquatica*) River-bank, Staveley, *Drabble*; The Moss, Mossbrough; Near Eckington, not common, *Waterfall*, *C.D.* (Linton).

Records: 1943 Harthill Pond 4880.
1969 Killamarsh 4581; Hassop 2271.
1973 Mexborough 4899.
1975 Killamarsh 4581.
1977 Pebley Pond 4878; Killamarsh 4581.
1978 Cortworth Pond 3998; Ulley Reservoir 4587.
1980 Blue Man's Bower 4389.
1983 Rother Valley Country Park 4581.

(N) *Stellaria nemorum* L. Wood Stitchwort/Chickweed

Old records: 1884 Whiteley Wood (SNC).
1888 Upperthorpe, *J. Salt*, 1800; Whiteley Wood, Sheffield, *J. Hardy*; Oughtibridge, shady banks, *A. Carr*, 1875; Wharnccliffe (LFWY).
1889 Upperthorpe, Sheffield (J. Salt); riverside near Eckington, *Waterfall* (PFD).
1903 Eyam Dale, *Watson's N. B. G.*; Stand Wood, Chatsworth; by R. Rother, near Renishaw, not seen lately, *Waterfall* (Linton).

Record: 1969 The Moss between Ford and Eckington in Grid 38 - not seen in recent years.

- (N) ***Stellaria media*** (L.) Vill. Common Chickweed
 Old records: 1889 In every district (LFWY).
 1889 Very common (J. Salt).
 1895 Common (SNC).
 Other records Grid Map No. 71.
- (N) ***Stellaria pallida*** (Dumort.) Pire Lesser Chickweed
 Record: 1969-74 Wigley 3072.
- (N) ***Stellaria neglecta*** Weihe Greater Chickweed
 Records: 1940 Near Harthill V.C. 63 (John Brown).
 1969 Troway 3879; The Moss, Eckington 4180.
 1971 Ringinglow 2983.
- (N) ***Stellaria holostea*** L. Greater Stitchwort
 Old records: 1888 Found in every district (LFWY).
 1889 Woods and hedges, very common (J. Salt).
 1894 Ecclesall wood (SNC).
 1911 Common (SNC).
 Other records Grid Map No. 72.
- (N) ***Stellaria palustris*** Retz. Marsh Stitchwort
 Old records: 1888 (*S. glauca*) Aldwarke by the Don 1798, *Salt Herb.* There still in 1875 A. Carr (LFWY).
 1889 (*S. glauca*) Gathered in a marsh near Aldwarke, two miles from Rotherham 1798 (J. Salt).
 1894 Holmesfield (SNC).
 1911 (*S. glauca*) Marsh at Aldwark (NAT).
- (N) ***Stellaria graminea*** L. Lesser Stitchwort
 Old records: 1889 Common in meadows and hedges (J. Salt).
 1894 Ecclesall Wood (SNC).
 1911 Common (SNC).
 Other records Grid Map No. 73.
- (N) ***Stellaria alsine*** Grimm Bog Stitchwort
 Old records: 1888 Salt 1800 (LFWY).
 1889 (*S. uliginosa*) Gathered in a ditch near Sheffield 1789; common in moist ground on Crookesmoor (J. Salt).
 Other records Grid Map No. 74.
- (N) ***Moenchia erecta*** (L.) P. Gaertner, B. Meyer & Scherb. Upright Chickweed
 Old records: 1888 Crook's Moor, Sheffield, 1798, *Herb. Salt*; near Rotherham, L. Langley 1828; about the Wickersley flag quarries (LFWY).

- 1889 Gathered in Crookesmoor, Sheffield, 1798 (J. Salt).
 1910 "disappeared as far as is known", *Snelgrove* - 1888 ref. (SNC).

(N) **Sagina apetala** Ard. (*S. ciliata*) Annual Pearlwort
 (inc. ssp. **apetala** and ssp. **erecta**)

Old records: 1903 Roadside between Curbar and Bar Brook; near Ramsley Reservoir, and near Robin Hood's Inn, Baslow; Johnnygate, Millthorpe; near the Station, Killamarsh; near Crowhole, Barlow; Sheepbridge; between Clod Hall and Bleak (Blake) House, Old Brampton (Linton).

Records since 1969: Calver New Bridge 2475; Upper Padley 2478; Stanage Edge 2384; Hathersage Road 2580; Underbank Reservoir 2499; Corker Walls 2590; Bradfield 2591, 2691, 2692; Sheepbridge 3774; Brierley Wood 3775; Dore & Totley Station 3281; Millhouses 3382; Low Edges 3480; Staveley 4074; Clowne 4875; Shirebrook, Wickfield Wood 4084; Thrybergh Reservoir 4795.

(N) **Sagina procumbens** L. Procumbent Pearlwort

Old records: 1888 Salt 1800 (LFWY).
 1889 Crookes, near Sheffield (J. Salt).
 1894 Black Brook; Norton Lees (SNC).
 Other records Grid Map No. 75.

(N) **Sagina nodosa** (L.) Fenzl Knotted Pearlwort

Old records: 1888 Stoney Middleton (SNC).
 1903 Eyam Moor; Higgat Tor, near Hathersage, 1400 ft. (Linton).

Records: 1969 Coombs Dale 2274; Middleton Dale 2175.
 1972 Sir William Hill 2177.
 1974 Hassop Hall 2272; Birley 3292.

(N) **Minuartia verna** (L.) Hiern Spring Sandwort, Leadwort

Old records: 1882/4 (*Alsine verna*) Stoney Middleton (SNC).
 1889 (*Arenaria verna*) Middleton Dale, Derbyshire, July 1799, plentiful (J. Salt).
 1889 (*Arenaria verna*) Middleton Dale, Carr (PFD).

Records since 1967: Longstone Edge 2073; Middleton Dale 2175; Coombs Dale 2274; Sir William Hill 2278; Peak Pasture 2374.

(N) **Minuartia hybrida** (Vill.) Schischkin (*M. tenuifolia*) Fine-leaved Sandwort

Old records: 1911 (*Arenaria tenuifolia*) Lydgate (SNC).
 Record: 1967 Coombs Dale 2274.

(N) **Moehringia trinervia** (L.) Clairv. Three-nerved Sandwort

Old records: 1882 Rivelin Valley (SNC).
 1888 (*Arenaria trinervia*) Rotherham District, *L. Langley*; Sheffield, *J. Salt* (LFWY).

1903 (*Arenaria trinervia*) Baslow, and near Bar Brook; Bolsover; by Pebley Pond (Linton).

Other records Grid Map No. 76.

(N) ***Arenaria serpyllifolia* L.**

Thyme-leaved Sandwort

Old records: 1888 *Salt, Flo. MS.*, 1800 (LFWY).

1889 Walls about Ravenfield, near Rotherham (J. Salt).

1903 Bamford Station; Bubnell, Baslow; near Eckington; Dronfield; Crowhole, near Barlow; Clowne (Linton).

Records since 1969: Disused railway 2170; Middleton Dale 2175; Hassop 2271, 2272; Coombs Dale 2274; Froggatt 2476; Owler Bar 2773; Outseats 2282; Deepcar 2998; Dronfield 3678; Sheepbridge 3774; Whittington Moor 3973; Broomhill 3387; R. Don 3490; Brimington and Staveley 4074; Barlborough Common and Clowne 4875; Ford/Eckington 4081; Beighton Mill 4385; Woodhouse Mill 4386, 4485; Power Station, Rotherham 4293.

(N) ***Spergula arvensis* L.**

Corn Spurrey

Old records: 1889 Gathered in a cornfield near Sheffield 1799; common among corn (J. Salt); about Chesterfield, *Waterfall* (PFD).

1894 Near Heeley (SNC).

1903 Bamford Station; near Ball Cross, Chatsworth; about Renishaw, *Waterfall*; Killamarsh; Beighton (Linton).

Other records Grid Map No. 77.

(N) ***Spergularia rubra* (L.) J. & C. Presl**

Sand Spurrey

Old records: 1888 About Brightside, Sheffield, *J. Salt* (LFWY).

1889 About Brightside, plentiful (J. Salt); Baslow, *Bailey* (PFD).

1900 This plant is particularly fine and abundant for a considerable distance along the Manchester Road, in the neighbourhood of Bell Hagg, near Sheffield. It grows at the base of the rough stone wall on the north side of the road and has now been in flower for a month, *A. E. Bradley*, Leeds, 4th July 1900 (NAT).

1903 Baslow, *Painter, J. B.*; Troway (Linton).

1905 "on Whit Monday I found this plant in abundance by the side of the footpath between the Norfolk Park and Intake. It also grows in a sandy road between Crookes and Tupton, Sheffield. The three places mentioned are all higher than 500 ft. given as the limit in Lees' Flora." *C. F. Innocent*, Sheffield (NAT).

1910 "by roadside about Bell Hagg", *E. Snelgrove* (SNC).

Records: 1949 Strines 2290.
1968 Stoney Middleton 2275.
1969 Beighton 4483.
1975 Barlborough Common 4875.
1980 Damflask 2791; Morehall Reservoir 2895.

(N) **Polycarpon tetraphyllum** (L.) L.

Four-leaved Allseed

Old record: 1889 Wentworth House, garden, 1803 (J. Salt).

(N) **Scleranthus annuus** L.

Annual Knawel

Old record: 1888 "Common", *Salt, Sheffield Flora* (LFWY).

PORTULACACEAE

(N) **Montia fontana** L. (inc. ssp. **fontana** and ssp. **variabilis**)

Blinks

Old records: 1888 Rotherham District, *L. Langley*, 1828; frequent about Sheffield, often in dry places, *J. Salt* (LFWY).

1889 About springs, frequent, and Mr. Salt also found it in very dry places (J. Salt).

1903 Froggatt; Umberley Brook, near Chatsworth; Bamford; Stanage Edge; Abney Clough; Burbage Brook (Linton).

Other records Grid Map No. 78.

(I) **Montia perfoliata** (Willd.) Howell (*Claytonia perfoliata*)

Springbeauty

Records: 1965 Millhouses Lane 3282.

1969-74 Brockwell 3771.

1975 Dronfield 3678.

1981 Border, Chesterfield Town Hall and Brockwell 3771.

1983 Dronfield 3578.

1985 Ecclesall Wood 3182; Beauchief 3381; University 3487; Graves Park 3582.

(I) **Montia sibirica** (L.) Howell (*Claytonia sibirica*, *C. alsinoides*)

Pink Purslane

Old record: 1903 (*Claytonia sibirica*) Chatsworth, *Nowers* (Linton).

Other records Grid Map No. 79.

AMARANTHACEAE

(I) **Amaranthus retroflexus** L.

Common Amaranth

Old record: 1903 Casual at New Brampton, near Ashgate Plantation (Linton).

Record: 1985 Tinsley 3991.

CHENOPODIACEAE

(I) **Chenopodium bonus-henricus** L.

Good-King-Henry, All-good, Mercury

Old records: 1888 Crookes and Rose Wood, Sheffield, *A. Carr*; Fulwood, plentiful, *J. Salt* 1800 (LFWY).

1889 Fulwood, Sheffield, plentiful (J. Salt).

1894 Abbeydale; Bolsterstone; Ecclesall (SNC).

1895 Ecclesall; Bolsterstone (NAT).

1903 Killamarsh; near Stony Middleton; Holmesfield, *Painter, Natt.*; Spital, Chesterfield, *Drabble*; near Crowhole, *Barlow*; near Beauchief Abbey (Linton).

1911 Wincobank; Crookes; Owlerton (SNC).

Other records Grid Map No. 80.

(N) ***Chenopodium polyspermum* L.** Many-seeded Goosefoot, All-seed

Records: 1974 Abbeydale 3484.

1977 Whiston Meadows 4489.

1983 Rivelin Tip 2887.

1986 Rother Valley Country Park 4682.

(N) ***Chenopodium album* agg.** Fat-hen

Old records: 1888 First record: *Salt, MS. Flora Sheffieldiensis*, 1800; (var. *viride*) Attercliffe, *A. Carr* (LFWY).

1889 Common (J. Salt).

1903 (var. *viride*) Beighton, a very distinct looking plant, growing with *C. album* (see *B. E. C. Rep.* for 1897, 562) (Linton).

Other records Grid Map No. 81.

(N) ***Chenopodium ficifolium* Sm.** Fig-leaved Goosefoot

Record: 1947 August. Quarry tip Arbourthorne, Sheffield, V.C. 63 Fruiting 16th August 1947 (John Brown).

(N) ***Chenopodium murale* L.** Nettle-leaved Goosefoot

Old record: 1888 Near Ecclesall Wood, Sheffield, *A. Carr* (LFWY).

Record: 1947 Rubbish dump, Arbourthorne, V.C. 63 (John Brown).

***Chenopodium urbicum* L.** Upright Goosefoot

Old record: 1888 (var. *intermedium*) By the Don between Tinsley and Rotherham, *A. Carr* (LFWY).

(N) ***Chenopodium rubrum* L.** Red Goosefoot

Old records: 1888 Near Tinsley, Wardsend weir and Parkgate Station, *A. Carr* (LFWY).

1889 Common (J. Salt).

Records since 1970: Whittington Moor 3973; Meersbrook 3683; Intake 3984; Sickley Bottom 3893; Staveley 4174; Poolsbrook 4373, 4374; Pebley Pond 4879; Treeton 4288; Killamarsh 4582; Pennymoor 4982; Don Canal 4092; Canal, Holmes 4192; Bow Bridge 4292; Rotherham Power Station 4393; Warren Vale Tip 4497; Thrybergh, banks of R. Don 4594, 4595, 4695.

(N) ***Beta vulgaris* L. ssp. *vulgaris*** Beet

Old record: 1888 Occasional, Sheffield etc. (LFWY).

Records: 1972 Rivelin 2786.

1978 Pebley Pond 4879.

(N) **Atriplex patula** L. Common Orache, Iron-root
 Old records: 1889 About Sheffield, frequent on rubbish and dung-hills (J. Salt).
 1894 Abbeydale; Norton Lees; (var. *angustifolia*) Norton Lees (SNC).
 1903 Chatsworth; Unstone; Baslow; Beighton; near Hathersage;
 Barlborough; by Renishaw canal; Bamford; Duckmanton; Coal Aston
 (Linton).

Other records Grid Map No. 82.

(N) **Atriplex prostrata** DC. (*A. hastata*) Spear-leaved Orache, Hastate Orache
 Old records: 1888 Pitsmoor, and Nunnery Coal pits, *A. Carr* (LFWY).
 1903 Norton, *Painter, Natt.*; Beighton waste ground; up to highest cornfields
 over Burbage, 450 yards, *Baker, J. B.*; Totley (Linton).

Other records Grid Map No. 83.

(N) **Salsola kali** L. ssp. **ruthenica** (Iljin) Soó (*S. pestifer*) Spineless Saltwort
 Record: 1947 12th September. Rubbish dump, Arbourthorne, Sheffield. Det. A. J.
 Wilmott (John Brown) (casual).

TILIACEAE

Tilia platyphyllos Scop. Large-leaved Lime

Records since 1969: Coombs Dale 2274; Totley Brook 3179; Tankersley 3499; Thrybergh 4796.

(N) **Tilia cordata** Miller Small-leaved Lime
 Old records: 1903 Baslow Churchyard; The Hague, Renishaw, planted, *Waterfall*
 (Linton).

Records: 1969 Coombs Dale 2274.
 1971 Stoke Ford 2179.
 1974 Bretton Clough 2078.
 1976 Somersall Farm 3570.
 1978 Grangelumb Wood 3174.
 1979 Norwood 4781.
 1981 Bretton Clough 2078.

(I) **Tilia x vulgaris** Hayne (*T. x europaea*) Common Lime
 Old record: 1889 Near Sheffield (J. Salt).

Records since 1969: Ashopton 2086; Whiteley Woods 3085; Abbeydale Hall 3181; General
 Cemetery 3486; Povey 3881; Kennel Wood 3793; Scholes Coppice 3995;
 wood near Brook School 4085; near Parkway 4086; Beaver Hill and
 Woodhouse 4285; Wales Bar 4684; Southard's Plantation 4686; Rotherham
 4195; Whiston 4690.

MALVACEAE

(N) *Malva moschata* L.

Musk Mallow

- Old records:** 1884 Bradfield (SNC).
 1888 About Sheffield, *Salt, Flora* (LFWY).
 1889 Roadside near Sheffield; frequent in pastures about Sheffield (J. Salt).
 1889 Hassop, *Bailey*; Chatsworth, *Scrimshaw*; near Renishaw, Chesterfield, *Waterfall* (PFD).
 1894 Near Heeley (SNC).
 1895 Occurs on the Midland railbank about half a mile north of Masborough (NAT).
 1903 Bramley, near Hassop; Hathersage; Birchill Bank, Baslow; near Renishaw, *Waterfall*; Barlow Brook; Westthorpe; Millthorpe, near Holmesfield; Chatsworth, *Scrimshaw, C.D.*; Great Longstone 300 yards (Linton).
 1910 Ecclesall Wood (SNC).
 1911 Brincliffe Edge (SNC).
 1918 Rotherham, July 1831 (NAT).

Records since 1954: Middleton Dale old quarry 2076; Coombs Dale 2274; Longstone Edge Lane 2373; Stoney Middleton 2375; Calver 2474; Chatsworth 2670; Hathersage 2380; Moorhall 3175; Horsleygate 3176; Barlow Lees 3476; Linacre 3573; Brierley Wood 3675; Sheepbridge 3774; Totley 3281; Povey farm 3880; Tankersley 3499; Thorncliff Wood 3597; Brimington 4172, 4173; Ford Valley 4180.

(N) *Malva sylvestris* L.

Common Mallow

- Old records:** 1888 Brightside, Sheffield, *J. Salt* 1800; Don banks above Sheffield, G. Harrison (LFWY).
 1889 Gathered near Sheffield 1798; Brightside, plentiful (J. Salt).
 1903 Stony Middleton; Bramley, near Hassop; by Killamarsh Station (Linton).
 1911 Brightside, Grimesthorpe, etc. (SNC).
 Other records Grid Map No. 84.

(I) *Malva nicaeensis* All.

Record: 1969-74 Bradway (builder's rubble) 3280.

(N) *Malva neglecta* Wallr.

Dwarf Mallow

- Old records:** 1888 (*M. rotundifolia*) Brightside, plentiful, *J. Salt* 1800 (LFWY).
 1889 (*M. rotundifolia*) Brightside, plentiful (J. Salt).
 1903 (*M. rotundifolia*) Beighton; near Ashgate Plantation, New Brampton (Linton).
 1911 On the road near Brightside (SNC).
Records: 1969 New Bridge, Calver 2475.
 1977 Upper Whiston 4589.
 1984 Wasteland, Star Cinema 3486.

Althaea hirsuta L.

Rough Marsh Mallow, Hispid Mallow

Record: 1984 Wasteland, Star Cinema 3486.

(I) Alcea rosea L.

Hollyhock

Record: 1975 Orgreave 4187.

LINACEAE**(N) Linum bienne** Miller

Pale Flax

Old record: 1903 (*L. angustifolium*) Renishaw, railway siding, *Painter, Natt.* (Linton).**(I) Linum usitatissimum** L.

Flax, Cultivated Flax

Old records: 1878 Oughtibridge (Bot. Trans. YNU).

1888 About Sheffield (LFWY).

1895 Roadside, Ecclesall; cornfield at Millhouses (NAT).

1903 Cornfield by the lane from Baslow to Hassop; cornfield at Millhouses, *The Naturalist*, by Beauchief Abbey; Bolsover; Spital, Chesterfield, *Drabble* (Linton).

Records: 1969 Cutthorpe 3573.

1969-74 Chesterfield 37.

(N) Linum catharticum L.

Fairy Flax, Purging Flax

Old records: 1889 Common in dry pastures (J. Salt).

1894 Near Fox House (SNC).

1903 Near Fox House, *Gibbs*; near Owlter Tor; Froggatt; Baslow; Totley Moss 1200 ft.; Dronfield; Bamford; Spinkhill near Eckington (Linton).

1911 Near Ringinglow; Sheffield Park; Crookes Moor (SNC).

Other records Grid Map No. 85.

GERANIACEAE**(N) Geranium pratense** L.

Meadow Crane's-bill

Old records: 1884 Froggatt Edge (SNC).

1889 Gathered near Cover (Calver) Derbyshire (J. Salt); Common about Renishaw, Chesterfield, *Waterfall* (PFD).

1894 Eyam (SNC).

1903 Middleton Dale; Near Cover (Calver), *Hb. Salt*; Chatsworth; Baslow, *Gibbs*; Froggatt; Grindleford Bridge, and by White Edge Moss; near Fox House Inn; About Renishaw, *Waterfall*; railway bank near Eckington, *Gibbs*; canal side north of Chesterfield; near the Peacock Inn, 1,100 ft. (Linton).

1910 Derwent Valley (SNC).

1918 Rotherham, July 1831 (NAT).

Other records Grid Map No. 86.

- (N) **Geranium sylvaticum** L. Wood Crane's-bill
 Old records: 1889 From Mr. Shore's garden, Norton, September 1801 (J. Salt).
 1903 About Chatsworth, *Gem of the Peak* (Linton).
 Records since 1970: Porter Clough 2884; Keeper's Lane, Dronfield 3376 and 3475; Dronfield Woodhouse 3378; near Barlow 3578.
- (I) **Geranium endressii** Gay French Crane's-bill
 Records since 1980: Belgrave Road 3186; Broomhill 3386; Harthill Reservoir 4880.
- (I) **Geranium phaeum** L. Dusky Crane's-bill
 Old records: 1889 Roadside (J. Salt).
 1903 Baslow, *Gem of the Peak* (Linton).
 Record: 1969 Calver 2373.
- Geranium pyrenaicum** Burm. fil. Hedgerow Crane's-bill, Mountain Crane's-bill
 Old records: 1889 Hassop, *Bailey* (PFD).
 1894 Near Norton Lees (SNC).
 1903 Neighbourhood of Baslow, in great plenty, *Phyt.*, 1861, 383 (Linton).
 Records: Near Hassop 2272; Near Baslow 2572; Bradfield 2491; Treeton Dyke 4387; Killamarsh 4582; Aughton 4586.
- (N) **Geranium columbinum** L. Long-stalked Crane's-bill
 Old records: 1882 Stoney Middleton (SNC).
 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
 1894 Thrybergh (SNC).
 Records since 1969: Coombs Dale 2274 and 2374.
- (N) **Geranium dissectum** L. Cut-leaved Crane's-bill
 Old records: 1888 *Herb. Salt* 1799 (LFWY).
 1889 Gathered in a field by the roadside between Sheffield and Grimesthorpe 1799; roadsides and fields, common (J. Salt).
 1903 Millthorpe, near Holmesfield; Bamford (Linton).
 Other records Grid Map No. 87.
- (N) **Geranium rotundifolium** L. Round-leaved Crane's-bill
 Record: 1987 Wharmcliffe Tip 2995.
- (N) **Geranium molle** L. Dove's-foot Crane's-bill
 Old records: 1888 Earliest notice uncertain - *Salt*, 1800? (LFWY).
 1889 Cornfields and meadows, frequent (J. Salt).
 1889 Common throughout the county (PFD).
 1911 Common; Brightside (SNC).

Records since 1969: Hassop 2271; Coombs Dale 2274 and 2374; Grindleford 2477; Dronfield 3478, 3679; Ecclesall 3183; Chancet Wood 3482; Whiston 4489; Kiveton Park 4982; near Thurgroft 4989; Rotherham Centre 4293; Whinney Hill Marsh 4594; Wickersley 4891.

(N) *Geranium pusillum* L. Small-flowered Crane's-bill

Old records: 1888 Norton (LFWY).
1895 Near Norton Lees (NAT).
1903 Near Norton Lees, *The Naturalist* (Linton).

Records since 1969: Coombs Dale, Calver 2274; Stoney Middleton 2275; Wortley area 2999; Old Finney Fields 3474 and 3477; Wickersley verge 4691.

(N) *Geranium lucidum* L. Shining Crane's-bill

Old records: 1888 Rotherham District, *L. Langley* 1828 (LFWY).
1889 Gathered near Cover (Calver) Derbyshire, June 1799; Mr. Piper's Hall, Norton, 1833 (J. Salt).
1903 Norton, *Herb. Salt*; Middleton Dale; Hassop; near Calver, *Herb. Salt* (Linton).
1911 Brightside (SNC).

Records since 1969: Hassop area 2271, 2272; Coombs Dale 2274; Froggatt 2476; Grindleford 2477; in Grid 28; Fulwood 3186; Parkwood Springs 3489; Wadsley Common 3190.

(N) *Geranium robertianum* L. Herb-Robert

Old records: 1888 Old Park, near Sheffield, 1799 *Salt* (LFWY).
1889 Gathered in Old Park, Sheffield, 1799; in stony places and on walls, frequent (J. Salt).
1894 Common, Ecclesall Wood (SNC).
1911 Endcliffe Wheel, etc. (SNC).
Other records Grid Map No. 88.

(N) *Erodium moschatum* (L.) L'Her. Musk Stork's-bill

Old Records: 1888 Near Sharrow Moor (Sheffield) *Salt, Flo. Sheffield*. This plant in the Herb., at Weston Park is only *E. cicutarium* (LFWY).
1889 By the bridge, Norton Hammer; Masebrook Garden, Sheffield (J. Salt).

(N) *Erodium cicutarium* (L.) L'Her Sticky Stork's-bill, Common Stork's-bill

Old records: 1888 Rotherham District, *L. Langley*, 1828; Brightside, plentiful, *J. Salt*, 1800 (LFWY).
1889 About Brightside, Sheffield - plentiful (J. Salt).
1903 Baslow, *Gem of the Peak*; Renishaw, The Hague, *Waterfall* (Linton).

Records since 1969: Middleton Dale 2175 and 2275; near Baslow 3072; Totley Rise 3178; Hallows Lane 3577; Dronfield 3578; Sheepbridge 3774; Oughtibridge Station and Wharmcliffe 3193; Wortley Bank 3197; Poolsbrook 4373; Beaver Hill Road 4185 and 4285.

OXALIDACEAE

(N) *Oxalis acetosella* L.

Wood-sorrel

Old records: 1884 Whiteley Wood (SNC).
1888 Reported from every district (LFWY).
1889 Common in woods (J. Salt).
1894 Ecclesall Wood, common (SNC).
1911 Common in woods and lanes (SNC).
Other records Grid Map No. 89.

BALSAMINACEAE

(N) *Impatiens noli-tangere* L.

Touch-me-not-Balsam

Old record: 1891 Wharncliffe Wood - just coming into flower August 1887 (NAT).

(I) *Impatiens parviflora* DC.

Small Balsam

Records: 1969 Hassop 2272.
1976 Derbyshire Lane garden 3484.
1986 Meersbrook Park 3584.

(I) *Impatiens glandulifera* Royle

Indian Balsam, Policeman's Helmet

Records: Grid Map No. 90.

ACERACEAE

(I) *Acer pseudoplatanus* L.

Sycamore

Old records: 1889 Common in woods and hedges (J. Salt).
1894 Norton Lees (SNC).
1903 Bamford; Hathersage; near Killamarsh; Bolsover (Linton).
Other records Grid Map No. 91.

(I) *Acer platanoides* L.

Norway Maple

Records since 1969: Bamford 2082; Sugworth 2389; Little Matlock 3089; Whirlow 3182; Chancet Wood 3481; Smithywood Road 3484; Grenoside 3394, 3395; Brook School Wood 4085; Tinsley Park 4088; near Woodhouse 4287; Treeton 4386; Creighton Wood 4498; Listerdale 4792.

(N) *Acer campestre* L.

Field Maple

Old records: 1888 Common about Sheffield, *J. Salt*, 1800 (LFWY).
1889 In woods and hedges, common (J. Salt).
1889 About Chesterfield, *Waterfall* (PFD).
1894 Norton Lees (SNC).
1903 Hathersage; between Hassop and Baslow; about Renishaw, *Waterfall* (Linton).
Other records Grid Map No. 92.

(I) **Acer saccharinum** L.

Silver Maple

Record: 1984 Pear Street Recreation Ground, planted 3486.

HIPPOCASTANACEAE

(I) **Aesculus hippocastanum** L.

Horse-chestnut

Records: Grid Map No. 93.

AQUIFOLIACEAE

(N) **Ilex aquifolium** L.

Holly

Old records: 1888 Occurs in every district (LFWY).

1889 Woods and hedges, common (J. Salt).

1910 Rivelin area, *E. Snelgrove*; Rivelin Valley (SNC).

Other records Grid Map No. 94.

CELASTRACEAE

(N) **Euonymus europaeus** L.

Spindle

Old records: 1882 Stoney Middleton (SNC).

1888 Rotherham District, *L. Langley*, 1828; near Sharrow Moor, Sheffield, *Salt, Sheff. Flo.*; could it have been wild here? *W. W. Newbould* (LFWY).

Records: 1969 Pebley Pond 4880.

1980 Hooton Cliff 4997, 4896.

RHAMNACEAE

(N) **Rhamnus catharticus** L.

Buckthorn

Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).

1903 Near the Hague, Renishaw, *Waterfall*; near Killamarsh; Bolsover (Linton).

1947 Hedge, Holbrook 4482.

Records since 1969: Coombs Dale 2274; Blue Man's Bower 4389; Wales Bar 4682; Pebley Pond 4879; Hooton Cliff 4896.

(N) **Frangula alnus** Miller (*Rhamnus frangula*) Alder Buckthorn, Black Dogwood

Old records: 1888 Rotherham District, *L. Langley*, 1828; Eccleshall Wood, *Salt, S. Flora* 1800 (LFWY).

1889 Ecclesall Wood, near Sheffield (J. Salt); Eckington Road, near Chesterfield, *Waterfall* (PFD).

1894 Near Oughtibridge (SNC).

1903 Froggatt; Mossbrough Moss; near Renishaw. *Waterfall* (Linton).

1910 "one tree in Reaf's wood, probably planted, *E. Snelgrove*" (SNC).

Records Ecclesall Wood 3182, 3282; Chancet Wood 3481, 3482.
since 1967:

VITACEAE

(I) *Vitis vinifera* L.

Grape-vine

Records: 1985 Parkwood Springs 3489.
1987 Blackburn Meadows, Sewage Works 4091

(I) *Parthenocissus quinquefolia* (L.) Planch.

Virginia Creeper

Records: Barlow 3674; Dunston Tip 3774.

LEGUMINOSAE

(I) *Lupinus arboreus* Sims

Tree Lupin

Records: 1970 The Roughs 3185.
1981 M.1 near Tinsley 3892.

(I) *Lupinus polyphyllus* Lindley

Garden Lupin

Records Fox Hagg 2886; The Roughs 3185; Crookes Cemetery 3287; near Millhouses
since 1969: Station 3383; Chancet Wood 3482; Parkwood Springs 3489; Sheffield Canal
3888; Staveley 4374; Shirtcliffe Brook 4085; Treeton 4386; Whiston-Treeton
Road 4489; Tinsley Sewage Farm 4091; Rotherham 4294; Upper Haugh
4297; Dalton 4694.

(N) *Genista tinctoria* L.

Dyer's Greenweed

Old records: 1888 About Sheffield, *J. Salt*, 1800; Don banks above Sheffield, *Geo.*
Harrison Hb. (LFWY).
1889 Common in pastures (*J. Salt*); about Chesterfield, *Waterfall* (PFD).
1894 Norton and Holmesfield, *Snelgrove*; Totley to Holmesfield (SNC).
1895 Near Norton (NAT).
1903 Hathersage; Upper Hurst Brook, Bamford; Froggatt; Curbar; Baslow,
Pilkington; Spital, and Linacre, near Chesterfield, *Drabble*; near
Norton, *The Naturalist*; Haythorne Hill between Eckington and
Staveley, *Waterfall*; Cordwell, near Unthank; east side of Totley;
Barlborough Low Common (Linton).
1910 Ecclesall Wood (SNC).
Other records Grid Map No. 95.

(N) *Genista anglica* L.

Petty Whin, Needle Furze

Old records: 1903 Baslow, half mile towards Sheffield, *Gem of the peak* (Linton).
1921 Partly colonised waste heap near Hood Hill Plantation (NAT).
Records: 1969 Grindleford/Froggatt 2476/2477.
1979 Hathersage/Fox House 2580.

(N) *Ulex europaeus* L.

Gorse, Furze, Whin

- Old records: 1888 Reported from every district (LFWY).
1889 Heaths and roadsides, common (J. Salt).
1894 Ecclesall Wood, common (SNC).
1911 Crook's Moor, Pits Moor etc. (SNC).
Other records Grid Map No. 96.

(N) *Ulex gallii* Planchon

Western Gorse, Dwarf Furze

- Old records: 1878 Whamcliffe (NAT).
1881 "Sheffield" (NAT).
1895 Common on the moors (NAT).
1903 Burbage Brook; by Hathersage; Froggatt; Eyam Moor; east of Totley; Barlow Lees and Wilday Green; Unthank (Linton).
1910 Crookesmoor; Rivelin area, *E. Snelgrove* (SNC).
Other records Grid Map No. 97.

(N) *Ulex minor* Roth

Dwarf Gorse/Dwarf Furze

- Old records: 1894 (*Ulex nanus*) Totley to Holmesfield; moors; Holmesfield (SNC).

(N) *Cytisus scoparius* (L.) Link (*Sarothamnus scoparius*)

Broom

- Old records: 1888 Recorded every drainage district (LFWY).
1889 About Chesterfield, *Waterfall* (PFD).
1889 Gathered near Sheffield; common in dry pastures (J. Salt).
1894 Ecclesall Wood (SNC).
1903 Upper Hurst Brook, Bamford; between Renishaw and Staveley, *Waterfall*; Sheepbridge; Moorhole, near Hackenthorpe (Linton).
1911 (*Spartium scoparium*) Grimesthorp Wood (SNC).
Other records Grid Map No. 98.

(I) *Spartium junceum* L.

Spanish Broom

- Record: 1980 Railway cutting under M.1 Brinsworth 4289.

(N) *Ononis repens* L.

Common Restharrow

- Old records: 1889 (*O. arvensis*) Pastures and cornfields (J. Salt); (*Ononis arvensis*) About Chesterfield, *Waterfall* (PFD).
1894 Dalton Brook (SNC).
1903 About Renishaw, *Waterfall*; Hazelbarrow Farm, Norton; Bolsover; Baslow, *Painter, J. B.*; Barlborough Low Common; Curbar (Linton).
ther records Grid Map No. 99.

(N) *Ononis spinosa* L.

Spiny Restharrow

- Old record: 1888 Kiveton, *A. Carr* (LFWY).
Record: 1975 Clowne 4875.

(I) **Medicago sativa** L.

Lucerne, Alfalfa

Old records: 1888 *Salt*, 1800 - in several pastures near Sheffield (LFWY).
1889 In several pastures near Sheffield (J. Salt).
1903 Waste ground about Renishaw furnaces, *Waterfall* (Linton).

Records since 1969: Calver Sough 2374; Linacre Reservoir 3372; Barlow 3475; Parkwood Springs 3489; Ellesmere Road 3688; Normanton Springs 4084; Plumbley 4281; Long Lane 4388; Blue Man's Bower 4389; Treeton-Whiston Road 4488, 4489; Norwood 4682; near Brampton-en-le-Morthen 4888; R. Rother Canklow 4291; Aldwarke 4494 (3688 & 4291 ssp. *falcata*).

(N) **Medicago lupulina** L.

Black Medick, Black Hay

Old records: 1888 In every district; (var. *denticulata*) Mark Lane, Sheffield district, 1878, *Amos Carr* (LFWY).
1889 Common in pastures and meadows (J. Salt); Renishaw, near Chesterfield; found once, *Waterfall* (PFD).
Other records Grid Map No. 100.

(N) **Medicago polymorpha** L.

Toothed Medick, Hairy Medick

Record: 1985 Kelham Island 3588.

(N) **Medicago arabica** (L.) Hudson

Spotted Medick

Old records: 1882 (*M. maculata*) Rivelin Valley (SNC).
1884 Near Fulwood (SNC).
1889 (*M. maculata*) Renishaw, near Chesterfield, found once, *Waterfall* (PFD).
1903 College Meadows, The Hague, Renishaw, *Waterfall* (Linton).

(I) **Medicago laciniata** (L.) Mill.

Record: 1985 Kelham Island 3588.

(I) **Melilotus altissima** Thuill.

Tall Melilot

Record: 1944 Railway embankment near Killamarsh, *J. Brown* (NWN).
Records since 1969: Owlbar 2977; Dronfield 3678; Abbeydale Hall 3180; Lees Hall 3684; Staveley 4373; Thirkyclyff Farm 4377; Renishaw 4577; Stanfree 4774; Barlborough Common 4776, 4875; Normanton Spring 4084; Halfway 4381; Beighton 4385; Norwood 4682.

(I) **Melilotus officinalis** (L.) Pallas

Ribbed Melilot, Common Melilot

Old records: 1889 Gathered near Crookes, Sheffield 1798 (J. Salt).
1889 Renishaw, *Waterfall* (PFD).
1903 About Renishaw, *Waterfall*; near Dore; near the station, Killamarsh (Linton).
Other records Grid Map No. 101.

(I) *Melilotus alba* Medicus White Melilot

Old records: 1903 Beighton, on waste ground; Spital, Chesterfield, *Drabble* (Linton).
1947 Rubbish dump, Arbourthorne (John Brown).

Records since 1966: Brockwell 3772; Rivelin 3289; Abbey Lane 3382; Broadfield Road 3484; City Centre 3587; Kelham Island 3588; Canal 3990; Treeton Tip 4288; Beighton 4385; Norwood 4682; Aldwarke 4594; Thrybergh 4594; Kilnhurst Cut 4698.

(I) *Melilotus indica* (L.) All. Small Melilot

Old records: 1947 Rubbish dump, Arbourthorne (John Brown).
1953 Growing on cinders, Beeley Wood, Sheffield, *F. W. Adams* (NAT); By rough track near Blackbrook Wood, Rivelin Valley, *F. W. Adams* (NAT).

Records since 1953: Wasteland, Star Cinema 3486; Kelham Island 3588; Tinsley Canal 3990.

(N) *Trifolium ornithopodioides* L. Bird's-foot Clover

Old record: 1889 Brightside, below Sheffield (J. Salt).

(N) *Trifolium micranthum* Viv. Slender Trefoil

Old records: 1889 (*T. filiforme*) Common on heaths and in pastures (J. Salt).
1903 (*T. filiforme*) Middleton Dale, *Carr. C.D.* (Linton).

(N) *Trifolium dubium* Sibth. Lesser Trefoil, Lesser Yellow Trefoil

Old record: 1903 Common. Higgat Tor, above Hathersage, 470 yards (Linton).
Other records Grid Map No. 102.

(N) *Trifolium campestre* Schreber Hop Trefoil

Records: Grid Map No. 103.

(I) *Trifolium hybridum* L. Alsike Clover

Old records: 1903 Bamford; Hathersage; Baslow; Millthorpe, near Holmesfield (Linton).
Other records Grid Map No. 104.

(N) *Trifolium repens* L. White Clover, Dutch Clover

Old records: 1889 Common in meadows and pastures (J. Salt).
1889 Common throughout the county (PFD).
Other records Grid Map No. 105.

(N) *Trifolium medium* L. Zigzag Clover

Old records: 1884 Stanington (SNC).
1888 Riverside, Sheffield, *J. Salt*; Wharnccliffe etc.; Waleswood, *A. Carr* (LFWY).
1889 Gathered by the river side, between Bowbridge and Cankly Mill, about 5 miles from Sheffield, July 1799, common (J. Salt).
1889 About Chesterfield, *Waterfall* (PFD).

1903 Hathersage; about Renishaw, *Waterfall*; Beighton; by a pool east of Killamarsh; east of Totley; woods north of Coal Aston (Linton).

Other records Grid Map No. 106.

(N) *Trifolium arvense* L.

Hare's-foot Clover

Old records: 1840 Near Rotherham (BF).

1888 Near Rotherham, *Herb. Salt*, 1799 (LFWY).

1889 Near Rotherham, about 1797 (sic.) (J. Salt).

Records since 1969: Darnall 3888; Petre Street 3688; Nr R. Don 3490; Hartley Brook Dike 3693; Barlborough Common 4875; Ford 4081; Shirtcliffe Brook 4185; Holbrook 4481; Oakwood Grange 4391; Firsby Reservoir 4995.

(N) *Trifolium striatum* L.

Knotted Clover, Soft Trefoil

Old records: 1840 Bowbridge and Cankley Mill, 5 miles from Sheffield (BF).

1888 Between Bowbridge and Canklow Mill, 5 miles from Sheffield, *H. Baines*; Error? A spn. of *T. medium* with the foregoing localisation is in *Herb. Salt* (LFWY).

Records since 1969: Coombs Dale 2274; Hassop Mines 2373; Brookhouse 4484.

(I) *Trifolium incarnatum* L.

Crimson Clover

Old records: 1884 Middleton Dale (SNC).

1934 Renishaw, VC 57 (John Brown).

1937 Near Clowne, VC 57 (John Brown).

Record: 1969 Calver Sough 2374.

(N) *Trifolium pratense* L.

Red Clover

Old record: 1889 Common (J. Salt).

Other records Grid Map No. 107.

(N) *Anthyllis vulneraria* L.

Kidney Vetch, Ladies' Fingers

Old records: 1888 Rotherham District, *L. Langley*, 1828; about Sheffield, *J. Salt*, 1800; Kiveton Park, *G. Harrison* (LFWY).

1889 Pastures about Sheffield (J. Salt).

1889 Waste ground at Renishaw furnaces, *Waterfall* (PFD).

1894 Kiveton Park, *Snelgrove*; Middleton Dale (SNC).

1903 Middleton Dale, *The Naturalist*; Eyam Moor; waste ground at Renishaw furnaces, *Waterfall C.D.*; near the station, Killamarsh (Linton).

Records since 1969: Longstone Edge 2072; Middleton Dale 2175, 2275; Coombs Dale 2274; Calver 2374; Sir William Hill 2278; Moorhall Reservoir 2895; Wortley 3197; Dore & Totley Station 3281; Bracken Hill 3395; Tankersley 3498, 3499; Chapeltown 3596 and 3597; Bell Ground 3599; Harley 3698; Golf Course 3598; Clowne 4775, 4873, 4875; near Barlborough 4777; Pebley Sand Quarry 4978; Woodhouse 4384; Holbrook 4481; Pennymoor 4982; Kiveton Park Colliery 4982; Rawmarsh 4495; near Denaby 4899.

(N) **Lotus corniculatus** L. Common Bird's-foot-trefoil, Eggs and Bacon

Old records: 1884 Endcliffe Vale (SNC).

1889 Meadows and pastures, common (J. Salt).

1894 Blackbrook. Common (SNC).

Other records Grid Map No. 108.

(N) **Lotus tenuis** Willd. Narrow-leaved Bird's-foot-trefoil.

Record: 1969 Coombs Dale 2274.

(N) **Lotus uliginosus** Schkuhr (L. pedunculatus) Greater Bird's-foot-trefoil

Old records: 1889 (L. major) Common about Chesterfield, *Waterfall* (PFD).

1894 (L. pilosus) Abbeydale (SNC).

1903 Froggatt; about Renishaw, *Waterfall*; Totley Moss; Wilday Green; Barlow; Moorhole, near Hackenthorpe; Wadshelf; Millthorpe, near Holmesfield; Bolsover (Linton).

Other records Grid Map No. 109.

(I) **Galega officinalis** L. Goat's-rue, French Lilac

Records Grid Map No. 110.

(I) **Colutea arborescens** L. Bladder-senna

Records: 1986 Brightside 3789; Canal, Tinsley 3991; Parkgate 4394.

(N) **Astragalus danicus** Retz. Purple Milk-vetch

Old record: 1888 (A. hypoglottis) Rotherham District, L. Langley (LFWY); Newhill, Wath, *Payne* (Rotherham Museum).

(N) **Astragalus glycyphyllos** L. Wild Liquorice, Milk-vetch

Old records: 1884 Kiveton (SNC).

1888 Kiveton Park, frequent, *Geo. Harrison* (LFWY).

(N) **Ornithopus perpusillus** L. Bird's-foot

Old records: 1881 "Sheffield" (NAT).

1884 Rivelin (SNC).

1888 Rotherham District, L. Langley, 1882; Crook's Moor, J. Salt, 1800 (LFWY).

1889 On Crookesmoor, Sheffield, plentiful (J. Salt).

1910 "disappeared as far is known", *E. Snelgrove* (SNC).

Records: 1973 Dronfield, lawn soil from Bawtry 3 years ago 3578.

1975 Brookhouse, Bunter surface 4484.

(I) **Coronilla varia** L. Crown Vetch

Records: 1941 In fine flower by the railway line at Oughtibridge. It was first observed there by Mr. J. M. Brown, a former member of the Sorby NHS. It formed a patch of approximately 10 by 2 yards on the east side of the

line at the extreme north end of the platform. Although known to employees at the station they could give no information as to its origin but they stated that it had persisted here for about 16 years. During this time it had spread and made itself at home until it has attained a conspicuous position. Both Mr. John Brown and myself are puzzled by the fruiting legumes falling to the ground unopened. *Percy Biggin* (NWN).

- 1946 Railway Station, Oughtibridge. Abundant (NAT).
- 1969 Hathersage, R. Derwent 2281.
- 1978 Hartley Brook Dike 3693.
- 1985 Still present Oughtibridge Station (disused) 3193.

(N) ***Onobrychis viciifolia*** Scop.

Sainfoin

- Old records: 1888 (*O. sativa*) Between Rotherham and Maltby, *J. Salt*, 1800 (LFWY).
1889 (*Hedysarum onobrychis*) Pastures between Rotherham and Maltby (*J. Salt*).
1935 Railway embankment at Ravenfield (NWN).

(N) ***Vicia hirsuta*** (L.) S. F. Gray

Hairy Tare

- Old records: 1889 (*Ervum hirsutum*) Frequent near Sheffield (*J. Salt*).
1903 Baslow, *Gem of the Peak* (Linton).
Other records Grid Map No. 111.

(N) ***Vicia tetrasperma*** (L.) Schreber

Smooth Tare

- Old records: 1888 Near Sheffield, *J. Salt*; Woodhouse, *G. Harrison Hb.* (LFWY).
1889 (*Ervum tetraspermum*) Frequent near Sheffield (*J. Salt*).
1903 (*V. gemella*) Clowne (Linton).
1953 Beauchief Golf Course (NAT).
- Records: 1969 Near Beauchief Hall 3381.
1971 Aston 4684.
1972 Treeton 4386.
1974 Barlow 3575.
1975 Chapeltown, disused railway 3596; Thrybergh 4795.
1978 Beaver Hill fields 4285.
1985 Thrybergh Reservoir 4796.
1986 Whinney Hill Marsh 4594.

(N) ***Vicia cracca*** L.

Tufted Vetch

- Old records: 1889 In hedges and meadows, common (*J. Salt*).
1889 About Chesterfield, *Waterfall* (PFD).
1894 Near Norton Lees, garden (SNC).
Other records Grid Map No. 112.

- (I) **Vicia tenuifolia** Roth Fine-leaved Vetch
 Records: 1980 Neepsend.
 1985 Kelham Island 3588; demolition site 3488.
- (N) **Vicia sylvatica** L. Wood Vetch
 Old record: 1911 Endcliffe Wood, Grimesthorpe etc. (SNC).
- (N) **Vicia sepium** L. Bush Vetch
 Old record: 1889 In woods and hedges, frequent (J. Salt).
 Other records Grid Map No. 113.
- (N) **Vicia lutea** L. Yellow-vetch
 Record: 1978 Meersbrook Tip 3684 (casual).
- (N) **Vicia sativa** L. Common Vetch
 Old records: 1889 Dry meadows and pastures (J. Salt).
 1889 About Chesterfield, *Waterfall* (PFD).
 1894 Near Norton Lees, garden (SNC).
 1903 About Renishaw, *Waterfall* (Linton).
 Other records Grid Map No. 114.
- (N) **Vicia sativa** ssp. **nigra** (L.) Enrh. (V. angustifolia) Narrow-leaved Vetch
 Records since 1970: Abney Clough 2079; Middleton Dale 2175; Coombs Dale 2274; Johnnygate 3176, 3275; near Totley 3179; Barlow 3575; Rivelin 3188; Lees Hall Tip 3684; Breck Farm 4276; Pebley Sand Quarry 4978; Eckington 4380; Brookhouse 4484; Killamarsh 4681.
- (N) **Vicia lathyroides** L. Spring Vetch
 Old records: 1888 "on dry parts of Crook's Moor, Sheffield", J. Salt, *Flora*, MS., but perhaps the plant was starved V. angustifolia, as is the V. lathyroides of Herb. Tofield, 4to Coll., according to Mr. Newbould (LFWY).
 1889 On dry parts of Crookesmoor, Sheffield (J. Salt).
- (N) **Lathyrus aphaca** L. Yellow Vetchling
 Record: 1982 Waste ground, William St., Sheffield 3486.
- (N) **Lathyrus pratensis** L. Meadow Vetchling
 Old records: 1884 Loxley (SNC).
 1889 Common about Chesterfield, *Waterfall* (PFD).
 1894 Black Brook (SNC).
 Other records Grid Map No. 115.
- (I) **Lathyrus tuberosus** L. Tuberous Pea, Earth-nut Pea
 Record: 1946 Tip, Rawmarsh (NAT).

(I) **Lathyrus latifolius** L.

Broad-leaved Everlasting-pea

- Records: 1975 Scholes 3896.
1979 Wortley Forge 2999.
1982 The Roughts 3185.
1986 R. Don 3490.
1987 Brightside 3890; Parkin Wood 3597.

(N) **Lathyrus montanus** Bernh.

Bitter-vetch

- Old records: 1882 (*Orob. tuberosus*) Rivelin Valley (SNC).
1884 (*O. tuberosus*) Roscoe Bank (SNC).
1889 (*O. tuberosus*) Common in woods and on heaths (J. Salt).
1894 (*L. macrorhizus*) Ecclesall Woods; Ringing Lowe; Holmesfield; Loxley Valley (SNC).
1895 (*L. macrorhizus*) Common about Sheffield (NAT).
1903 Stoney Middleton; near Eyam; Hathersage; Chatsworth, Gibbs; Abney; Birchill Bank, Baslow; Totley; near Beighton; woods between Eckington and Norton, Gibbs; by pool east of Killamarsh (Linton).
1911 (*O. tuberosus*) Ringing Lowe (SNC).
Other records Grid Map No. 116.

ROSACEAE

(I) **Spiraea salicifolia** L.

Bridewort, Willow Spiraea

- Old record: 1889 1889 Gathered in Mr. Fox's Nursery (J. Salt).
Records: 1972 Treeton (garden escape) 4386.
1982 The Roughts (garden escape) 3185.

(N) **Filipendula ulmaria** (L.) Maxim.

Meadowsweet

- Old records: 1884 (*Spiraea ulmaria*) Whiteley Wood (SNC).
1889 (*Spiraea ulmaria*) Sheffield, 1804; common in moist hedges (J. Salt).
1889 (*Spiraea ulmaria*) Common about Chesterfield, *Waterfall* (PFD).
1894 Meersbrook, common (SNC).
1903 Baslow; about Renishaw, *Waterfall*; by Pebley Pond; Bolsover (Linton).
1911 Plentiful on the Don and in ditches (SNC).
Other records Grid Map No. 117.

(N) **Rubus chamaemorus** L.

Cloudberry

- Record: 1969 Ringinglow Bog 2583.

(N) **Rubus saxatilis** L.

Stone Bramble

- Old record: 1903 Coombs Dale, near Calver (Linton).
Records: 1969 Longstone Edge 2073; Coombs Dale 2274.
1972 Coombs Dale 2274.

(N) Rubus idaeus L.

Raspberry

Old records: 1888 Sharrow Moors, Sheffield, *J. Salt*, 1800 (LFWY).
 1889 Near Sharrow Moor, Sheffield (J. Salt).
 1903 Chatsworth (Linton).
 1911 Whiteley Wood, Abbeydale etc. (SNC).
 Other records Grid Map No. 118.

(N) Rubus caesius L.

Dewberry

Old records: 1882 Stoney Middleton (SNC).
 1888 Hooton Cliff, *A. Bloxam*; Kiveton, *A. Carr* (LFWY).
 1889 Middleton Dale, Derbyshire (J. Salt).
 1903 Middleton Dale, *HB. Salt*; between Hassop and Baslow; near Killamarsh Station (Linton).
 Records: 1967 Coombs Dale 2374 and 2375.
 1969 Brierley Wood 3775.
 1974 Bretton Clough 2078; Calver 2475.
 1976 Doncaster's Works, Sheffield 3489.

(N) Rubus fruticosus L. sensu lato

Bramble, Blackberry

NOTE - The Grid Map includes the species listed below, some of which date back to the mid-1800's. Details available on record sheets.

Rubus <i>affinis</i>	<i>hylocharis</i>	<i>raduloides</i>
<i>amplificatus</i>	<i>infestus</i>	<i>retrodentatus</i>
<i>anisacanthos</i>	<i>insectifolius</i>	<i>rhamnifolius</i>
<i>atrorubens</i>	<i>koehleri</i>	<i>rosaceus</i>
<i>bellardi</i>	<i>laciniatus</i>	<i>rubriflorus</i>
<i>biserrata</i>	<i>lejeunii</i>	<i>rufescens</i>
<i>bloxamii</i>	<i>leucostachys</i>	<i>scabrosus</i>
<i>calvatus</i>	<i>lindbergii</i>	<i>scissus</i>
<i>carpinifolius</i>	<i>lindleianus</i>	<i>selmeri</i>
<i>corylifolius</i>	<i>loganobacis</i>	<i>spadix</i>
<i>dasyphyllus</i>	<i>macrophyllus</i>	<i>sprengelii</i>
<i>diversifolius</i>	<i>mucronatus</i>	<i>suberectus</i>
<i>drejeri</i>	<i>nemoralis</i>	<i>sublustris</i>
<i>dumetorum</i>	<i>newbouldii</i>	<i>subtercanens</i>
<i>eboracensis</i>	<i>pallidus</i>	<i>taeniarum</i>
<i>echinatoides</i>	<i>podophyllus</i>	<i>thyrsoides</i>
<i>festivus</i>	<i>polyanthemus</i>	<i>tuberculatus</i>
<i>fissus</i>	<i>procerus</i>	<i>ulmifolius</i>
<i>fuscoater</i>	<i>pubescens</i>	<i>vestitus</i>
<i>glandulosus</i>	<i>pulcherrimus</i>	<i>warrenii</i>
<i>humifusus</i>	<i>radula</i>	<i>wirralensis</i>

- (N) **Potentilla palustris** (L.) Scop. Marsh Cinquefoil
 Old records: 1888 (Comarum palustre) Jordan Dam, Sheffield Moors, *J. Salt*, 1800 (LFWY).
 1889 (Comarum palustre) In a putrid marsh, near Jordan Dam, Sheffield (*J. Salt*).
 1903 Blake Brook, near Baslow (Linton).
 1951 West of Low Bradfield (NAT).
 Records: 1959 and 1969 Leash Fen 2972.
 1972 Totley Moss 2778.
 1973 Leash Fen 2874.
 1974 Brampton East Moor 2870 and 2970.
 1977 Leash Fen 2973.
- (N) **Potentilla sterilis** (L.) Garcke Barren Strawberry
 Old records: 1895 (P. fragariastrum) Norton (SNC).
 1899 (P. fragariastrum) Common on banks of hedges (*J. Salt*).
 1911 (Fragaria stellaris) Grimesthorp and almost all lanes (SNC).
 1930 Ford (Sorby Records).
 1941 Love Lane, Ecclesfield (*J. Brown*).
 1943 Cordwell Valley (*J. Brown*).
 Other records Grid Map No. 120.
- (N) **Potentilla anserina** L. Silverweed
 Old records: 1894 Norton and Norton Lees (SNC).
 1899 Sides of woods, common (*J. Salt*).
 1911 Common (SNC).
 Other records Grid Map No. 121.
- (N) **Potentilla argentea** L. Hoary Cinquefoil
 Old records: 1888 Cinder Hills, near Wardsend, 1802, *Herb. Salt* (LFWY).
 1899 Gathered in a place called Cinder Hills, near Wardsend, 2 miles from Sheffield, 1802 (*J. Salt*).
- (I) **Potentilla recta** L. Sulphur Cinquefoil
 Records: 1969 Lees Common 3476.
 1986 Cattle Sidings, Wicker 3588; Bell Ground 3698.
- (I) **Potentilla norvegica** L. Ternate-leaved Cinquefoil
 Record: 1983 Waste ground, High House Road 3489.
- (N) **Potentilla tabernaemontani** Ascherson Spring Cinquefoil
 Old records: 1903 Between Stoney Middleton and Eyam (Linton).
 1969 Middleton Dale, Stoney Middleton, Longstone Edge, Coombs Dale (Derbyshire Flora).

Records: 1973 Middleton Dale 2175.
1976 Hassop 2271.

(N) *Potentilla erecta* (L.) Rauschel

Tormentil

Old records: 1894 (*P. tormentilla*) Ecclesall Wood; Norton (SNC).
1899 (*Tormentilla officinalis*) Moors and shady places, common (J. Salt).
Other records Grid Map No. 122.

(N) *Potentilla anglica* Laicharding

Trailing Tormentil

Old records: 1882 (*P. procumbens*) Stoney Middleton (SNC).
1884 (*P. procumbens*) Loxley (SNC).
1888 Near Oughtibridge, *Geo. Harrison* (LFWY).
1903 Longstone Edge, Hathersage; Froggatt; Hay Wood and Stokemoor Wood, near Grindleford Bridge; Lounge Wood, Unstone; Cobnar Wood, by Barlow Brook; Troway; Totley (Linton).
Other records Grid Map No. 123.

(N) *Potentilla reptans* L.

Creeping Cinquefoil

Old records: 1894 Ecclesall Wood and Norton (SNC).
1899 Common by roadside (J. Salt).
1903 Totley Moss, 350 yards (Linton).
1911 Common (SNC).
Other records Grid Map No. 124.

(N) *Fragaria vesca* L.

Wild Strawberry

Old records: 1889 Common in woods (J. Salt).
1911 Old Park (SNC).
Other records Grid Map No. 125.

(I) *Fragaria x ananassa* Duchesne

Garden Strawberry

Records: 1969 Totley Rise 3280; Eckington 4380.
1972 Eckington, roadside 4380.
1974 Kiveton Park 4982; Linacre 3372.

(N) *Geum urbanum* L.

Wood Avens, Herb Bennet

Old records: 1889 Common in hedges (J. Salt).
1889 Common at Chesterfield, *Waterfall* (PFD).
1894 Ecclesall Wood (SNC).
1911 Common (SNC).
Other records Grid Map No. 126.

(N) *Geum rivale* L.

Old records: 1884 Rivelin (SNC).

1903 Middleton Dale, Gibbs; Baslow, Gibbs; Calver, Miss Armitage; Holmesfield; Killamarsh, Gibbs (Linton).

1918 Aldwarke Hall, near Rotherham, May 1831 (NAT).

Records since 1969: Hassop 2271; Coombs Dale 2274 and 2374; Calver Sough 2375; Calver 2475; Totlev Moss 2778 and 2787; Bamford 2082; Freebitch 3072.

(N) **Geum x intermedium** Ehrh. (*G. urbanum* x *G. rivale*)

Old records: 1889 Norton Hammer Nursery, near Sheffield (J. Salt).

1903 Banks of the Derwent, near Calver, *Miss Armitage* (Linton).

Record: 1975 Handley Bottom 2370.

(N) *Agrimonia eupatoria* L.

Old records: 1889 Common about Chesterfield, *Waterfall* (PFD).

1889 Machon Bank, Sheffield and borders of cornfields, frequent (J. Salt).

1903 Longstone Edge; Highlow Hall, near Abney; Baslow, and near Robin Hood's Inn; The Hague, Renishaw, *Waterfall*; Millthorpe, near Holmesfield; Bolsover (Linton).

1910 Rotherham (SNC).

1911 Endcliffe Wood, Grimesthorpe etc. (SNC).

Records since 1965: Coombs Dale 2274; Froggatt Edge 2477; Peakley Hill 3376; Dronfield 3476; Meersbrook, Lees Hall 3684; Coal Aston and Ford Valley 3780; Pebley 4978; Bighton 4482; Aston 4683 and 4684; Ulley 4587; Thrybergh Reservoir 4795; Hooton Roberts 4997.

(N) **Agrimonia procera** Wallr. (*A. odorata* auct.)

Old records: 1903 Laneside above Bubnell, Baslow; Duckmanton (Linton).

Records Coombs Dale 2274; Froggatt Edge 2476; Ashgate, near Chesterfield 3571;

(N) *Alchemilla alpina* L.

Record: 1973 Coombs Dale 2274 (Introduced and no longer present).

(N) *Alchemilla conjuncta* Bab.

Records: 1980 Near Bradfield (garden escape) 2791.

1981 Rotherham 4390.

(N) *Alchemilla vulgaris* agg.

Old records: 1889 Meadow near Fulwood, Sheffield, June 1799; Baslow new road side, in field, plentiful (J. Salt).

1889 Common about Chesterfield, *Waterfall* (PFD).

1894 Ecclesall Wood; Hemsworth (SNC).

1911 Ringing Lowe; Whiteley Wood; Healey; Garden Walk - Broad Lane
etc. (SNC).

Records Stoney Middleton 2275; Baslow 2572; Porter Clough 2884; Lodge Moor
since 1969: 2885; Ringinglow 2983; Clough Lane 2984; near Bradfield 2890; Golf
course, Bradway 3379; Cutthorpe 3473; near Carr Bridge 3084, Whiteley
Woods 3085; Ecclesall Woods 3283; City 3383; Birley 3292; Hartley Brook
Dike 3693.

(N) *Alchemilla filicaulis* Buser Hairy Lady's-mantle
Old record: 1903 Stoney Middleton; Hathersage; Troway; Crowhole near Barlow;
Totley; Renishaw; Millthorpe near Holmesfield (Linton).

Records Coombs Dale 2274; Abney Clough 28.
since 1969:

(N) *Alchemilla filicaulis* ssp. *vestita* (Buser)

Records Abney Clough 2079; Bamford 2082; near Holmesfield 3078; Dunstan Farm
since 1969: 3279; Linacre 3472; Brockwell Tip 3771; Troway 3880; Lightwood 3881.

(N) *Alchemilla xanthochlora* Rothm. Intermediate Lady's-mantle
Old records: 1903 Hood Brook, Hathersage; Abney; Unstone; Totley Moss 400 yds
(Linton).
Other records Grid Map No. 127.

(N) *Alchemilla glabra* Neygenf. Smooth Lady's-mantle
Records Calver Sough 2375; Ladybower 2085; Linacre 3372.
since 1969:

(N) *Aphanes arvensis* L. Parsley Piert
Old records: 1889 Crookesmoor, Sheffield. Frequent in meadows and pastures about
Sheffield (J. Salt).
1894 Norton Lees, garden. *Snelgrove* (SNC).
1911 Gardens and cornfields (SNC).

Records Hassop 2271; Coombs Dale 2274; Peak Pasture 2374; Chequers Inn 2475;
since 1970: Bamford 2084; Wharmcliffe Tip 2995; near Barlow 3375; Finney fields 3377;
Carter Hall fields 3981; Rainborough Park 3999; near Mosborough 4380;
Moorgate 4490; Wickersley 4991; near Thurcroft 4990.

(N) *Sanguisorba officinalis* L. (*Poterium officinalis*) Great Burnet
Old records: 1888 Between Sheffield and Rotherham, *J. Salt*; Kiveton Park, *G. Harrison*
(LFWY).
1889 Pastures between Sheffield and Rotherham; and Chatsworth Park (J.
Salt).
1894 Killamarsh and Holmesfield (SNC).
1903 Hood Brook, Hathersage; The Hague, Renishaw; Calow and Spital,
Chesterfield, *Drabble*; near Eyam; Baslow; Killamarsh; Holmesfield,
The Naturalist; Brierley Wood, near Unstone; Eckington; Beighton;
Clowne; Bolsover (Linton).
1911 Upperthorpe (SNC).
Other records Grid Map No. 128.

(N) **Sanguisorba minor** Scop. (*Poterium sanguisorba*) Salad Burnet

Old records: 1888 Rotherham District, *L. Langley*, 1828; Kiveton Park, *Geo. Harrison* (LFWY).

1889 College Meadow, The Hague, Chesterfield, *Waterfall* (PFD).

1894 Middleton Dale (SNC).

1895 Middleton Dale (NAT).

1903 Bolsover (Linton).

Records since 1967: Near Hassop Station 2170; Middleton Dale 2175; Hassop 2271; Coombs Dale 2274; Hassop 2373; Calver Sough 2475; Brampton East Moor 2970; Hathersage 2382; Cordwell 3075; Doncaster's works, Sheffield 3489; Clowne 4873 and 4875; Killamarsh 4581.

(I) **Sanguisorba minor** ssp. **muricata** Briq. (*Poterium polygamum*) Fodder Burnet

Record: 1969 Unthank 3075.

(N) **Rosa arvensis** Hudson Field-rose

Old records: 1837 "Wild roses" Rivelin Valley (Holland).

1884 Endcliffe Wood (SNC).

1888 Near Sheffield Manor, *J. Salt*, 1800; common east of Sheffield (LFWY).

1889 Common in hedges (*J. Salt*).

1894 Black Brook (SNC).

1910 "frequent", *E. Snelgrove* (SNC).

1911 Common (SNC).

Other records Grid Map No. 129.

(N) **Rosa pimpinellifolia** L. (*R. spinosissima*) Burnet Rose

Old records: 1882 Stoney Middleton (SNC).

1889 Middleton Dale, plentiful (*J. Salt*).

1889 Chesterfield, *Waterfall* (PFD).

1903 Middleton Dale, *Hb. Salt*; Longstone Edge (Linton).

Record: 1969 Middleton Dale 2175.

(N) **Rosa involuta** Sm. (*R. pimpinellifolia* x *R. tomentosa*)

Old records: 1884 Middleton Dale (SNC).

1888 Field near Greenside, Sheffield, *Amos Carr* (LFWY).

1910 Grenoside, *E. Snelgrove* (SNC).

(N) **Rosa canina** group Dog-rose

Old records: 1837 "Wild roses" in Valley (Holland).

1878 (*R. arvensis*) Bell Hagg etc.;

(*R. Koscinciana*) Ecclesfield etc.;

(*R. obtusifolia*) Bell Hagg;

(*R. Reuteri*) Wyoming Brook;

- (*R. verticillacantha*) Redmires etc. ;
 (*R. Watsoni*) Redmires (YNU).
 1882 (var. *lutetiana* and var. *dumalis*) Stoney Middleton;
 (var. *Reuteri*) Stoney Middleton (SNC).
 1884 (var. *Andegavensis*) Near Whiteley Woods;
 (var. *Reuteri*) Redmires Road;
 (var. *subcristata*) Priest Hill (SNC).
 1888 (var. *biserrata*) Hedges near Crosspool; Scaith Lane, Bell Hagg crags
 etc., all near Sheffield, *A. Carr*;
 (var. *aspermata*) Redmires; by Whiteley Wood Dam, Cliff Rocher etc.,
 near Sheffield, *A. Carr*;
 (var. *Koscinciana*) Ecclesfield, road to Sheffield, near Toll Gate, *A.*
Carr; hedges near Guilthwaite Id.;
 (var. *Borreri*) Lane between Meadow Hall and Grange Lane Station, *A.*
Carr;
 (var. *frondosa*) Roadside Wales, *A. Carr*;
 (var. *arvatica*) Rother side below Woodhouse Mill, Sheffield, *A. Carr*;
 (var. *obtusifolia*) By the R.C. Cemetery, Rivelin Valley, and
 Oughtibridge, *A. Carr* (all LFWY).
 1889 In hedges, frequent (*J. Salt*).
 1910 (var. *aspermata*) Redmires; (var. *Koscinciana*) Ecclesfield; (var. *Borreri*)
 Grange Lane; (var. *tormentella*) Rivelin Cemetery; (var. *biserrata*)
 Crosspool. All *E. Snelgrove* (SNC).
 1911 Common (SNC).
 Other records Grid Map No. 130.

(N) ***Rosa tomentosa*** group

Harsh Downy-rose

- Old records: 1878 Whamcliffe (YNU).
 1881 "Sheffield" (NAT).
 1882 Stoney Middleton (SNC).
 1884 Whiteley wood and Rivelin (SNC).
 1888 Common about Sheffield - many localities! *Amos Carr*; Sheffield
 Manor, *J. Salt* (LFWY).
 1889 Gathered between Sheffield and the Manor in a hedge by the footpath
 side, 1798 (*J. Salt*).
 1894 Near Holmesfield (SNC and NAT).
 1903 Frequent, Hood Brook, Hathersage; Abney Clough; Middleton Dale;
 Longstone Edge; Near Holmesfield; east of Totley (Linton).
 1910 General, *E. Snelgrove* (SNC).

Records since 1965: Bretton Clough 2078; Disused railway line 2170; Longstone Edge 2173;
 Middleton Dale 2175; near Hathersage 2381; Totley Moss 2778; near
 Holdsworth 2891; Cartledge 3277; Dunstan Farm 3279; Linacre 3372;
 Pebley Sand Quarry 4978; Revel Wood 4589; Pea Carr Wood 4889.

(N) **Rosa rubiginosa** L.

Sweet Briar

Old records: 1888 Lane near Storrs, Sheffield, A. Carr (LFWY).
1910 Storrs, E. Snelgrove (SNC).

Record: 1974-79 Brockwell 3672.

(N) **Prunus spinosa** L.

Blackthorn, Sloe

Old records: 1889 Common in hedges (J. Salt).
1889 About Chesterfield, *Waterfall* (PFD).
1911 Common in hedges (SNC).

Other records Grid Map No. 131.

(I) **Prunus domestica** L.

Wild Plum, Bullace, Greengage

Old records: 1889 Field at The Hague, Renishaw, Chesterfield, *Waterfall* (PFD).
1903 Staveley, *Painter, Natt.* (Linton).
1903 (ssp. *insititia*) Field at The Hague, *Waterfall*, C. D., Calow; Crowhole,
near Barlow (Linton).
1911 Common in hedges (SNC).

Records Abney Clough 27; Hathersage 2282; Cordwell Valley 3176; (ssp. *insititia*)
since 1969: Totley Brook 3179; Dronfield Woodhouse 3477; Bluebell Wood 4696.

(I) **Prunus cerasifera** Ehrh.

Cherry Plum

Records Great Longstone 2071; Hathersage 2282; Millthorpe Lane 3277; Cutthorpe
since 1969: 3373 and 3473; Barlow Lees 3376; Dronfield 3377; Cowley Lane 3477;
Bradway 3280; Snaithing Wood 3283; Moss Valley 3780; Rotherham 4195;
Rotherham Hospital 4390; Oakwood Grange 4391.

(N) **Prunus avium** (L.) L.

Wild Cherry, Gean

Old records: 1888 Whamcliffe; Wardsend, Sheffield, J. Salt (LFWY).
1894 Ecclesall Wood; Millhouses (SNC).
1903 Millhouses; Norton, Gibbs; Beauchief, *The Naturalist*; Woods N. E. of
Coal Aston; Nether Loads, Old Brampton (Linton).
1940 Upper Porter Valley (J. Brown).
Other records Grid Map No. 132.

(I) **Prunus cerasus** L.

Dwarf Cherry, Sour Cherry

Old records: 1903 In the lane between Hassop and Baslow; fields near Clowne (Linton).
Records Hathersage 2282; Aughton 4486.
since 1969:

(N) **Prunus padus** L.

Bird Cherry

Old records: 1837 Whamcliffe (Holland).
1878 Whamcliffe (NAT).
1884 Endcliffe Wood (SNC).
1888 Rotherham District, L. Langley (LFWY).
1889 Whiteley Wood and Old Park Wood, Sheffield, 1798, plentiful (J. Salt).

1894 Wharmcliffe and Whiteley Woods (SNC).
 1895 Wharmcliffe and Whiteley Woods (NAT).
 1903 Near Eyam; Bamford; Hood Brook, Hathersage; Grindleford Bridge;
 near Offerton (Linton).
 1910 Whiteley Wood, frequent, *E. Snelgrove* (SNC).
 1935 West of Low Bradfield (NWN).
 1938 Calver marshes, one tree (SR).
 1941 Wharmcliffe Woods (LFWY Supp.).
 1942 Cordwell Valley (J. Brown).
 Other records Grid Map No. 133.

(I) ***Prunus laurocerasus* L.**

Cherry Laurel

Records: 1983 Wingfield 4095.
 1985 Abbeydale Hall 3181; Parkwood Springs 3489.

(I) ***Cotoneaster simonsii* Baker.**

Record: Letwood Plantation, Ulley 4686.

(I) ***Cotoneaster horizontalis* Decne**

Wall Cotoneaster

Record: 1975 Calver 2374, Ranmoor 3186.

(I) ***Cotoneaster frigidus* Wall. ex Lindl.**

Record: 1974-79 Middleton Dale 2175.

(N) ***Crataegus laevigata* (Poiret) DC. (*C. oxyacanthoides*)**

Midland Hawthorn

Old records: 1889 In Old Park, Sheffield (J. Salt).

1894 Common (SNC).

1903 The Hague, Renishaw, *Waterfall* (Linton).

1910 Rivelin Valley; Rivelin area, *E. Snelgrove* (SNC).

Records since 1965: Stand Wood 2670; Hathersage 2381; Agden Bog 2593; Ewden Valley 2795;
 Near Troway 3979; above Sorby Plantation 3084; Hemsworth 3684; Kennel
 and Gallery Woods 3793; Ulley Reservoir 4587; Revel Wood and Doe Lane,
 near Whiston 4589; Hooton Roberts 4896, 4897, 4996 and 4997.

(N) ***Crataegus monogyna* Jacq.**

Hawthorn

Records Grid Map No. 134.

(N) ***Sorbus aucuparia* L.**

Rowan, Mountain Ash

Old records: 1894 (*Pyrus aucuparia*) Norton (SNC).

1899 (*P. aucuparia*) Parker Spring Wood (J. Salt).

1910 Rivelin area, *E. Snelgrove*; Rivelin Valley (SNC).

Other records Grid Map No. 135.

(I) **Sorbus intermedia** (Ehrh.) Pers. Swedish Whitebeam
Records: 1974-79 Brockwell, Chesterfield 3771.
1981 Froggatt Bridge 2476.
1983 Buck Wood 3784.
1984 Near University 3487.
1986 Tinsley 3991; R. Don 3291 and 4091.

(N) **Sorbus aria** (L.) Crantz Common Whitebeam
Old record: 1910 (Pyrus aria) Isolated, undersized trees probably planted, *E. Snelgrove* (SNC).
Other records Grid Map No. 136.

(N) **Sorbus torminalis** (L.) Crantz Wild Service-tree
Old record: 1888 (Pyrus torminalis) In Old Park Wood, Sheffield. *Salt's Flora*, 1800 (LFWY).
Records 1974 Sorby Plantation, planted 2984; Linacre Wood 3272.
since 1974: 1976 Breck Farm 4276.

Pyrus pyraister Burgsd. (*P. communis*) Wild Pear
Old records: 1889 Chesterfield, *Waterfall* (PFD).
1903 Chesterfield, *Waterfall*, C.D. (Linton).
1928 Listerdale, M.D. *Fenton* (Rotherham Museum).
Records Broomhill 3386; Ecclesall Road 3486; R. Don 3688; Wood near Brook
since 1973: School 4085; Handsworth Grange allotments 4185; Treeton 4386; Hill Top 4997.

(N) **Malus sylvestris** Miller Crab Apple
Old records: 1884 Rivelin (SNC).
1889 (Pyrus malus) Common in hedges (J. Salt); Very abundant, *Waterfall* (PFD).
1911 Common in hedges (SNC).
1934 Wharncliffe Wood, single specimen (Sorby Records).
1938 Opposite Millhouses Station, Ecclesfield (Sorby Records).
Other records Grid Map No. 137.

PLATANACEAE

(I) **Platanus x hybrida** Brot. London Plane
Records: 1976 Middlewood 3291.
1982 General Cemetery 3485.
1984 Western Bank 3387.
1985 Bannercross Hall 3284.
Commonly planted throughout Sheffield streets.

CRASSULACEAE

***Sedum rosea* (L.) Scop.**

Roseroot

Record: 1972 Wasteland, Crookes Cemetery, garden escape 3287.

(N) *Sedum telephium* L.

Orpine, Livelong

Old records: 1888 Hedges near Grimesthorpe, *J. Salt* (LFWY).
1889 Hedges near Grimesthorpe, *Sheffield (J. Salt)*.
1895 Loxley (SNC).
Records: 1966 Coombs Dale 2274.
1972 Disused railway line, Bakewell 2170 and 2171.
1973 Coombs Dale 2274.

(I) *Sedum spurium* M. Bieb.

Caucasian Stonecrop

Records: 1971 Fitzwilliam Street car park 3586.
1972 Wasteland, Crookes Cemetery 3287.
1973 Moffat's measured mile 2780.
1974-79 Brockwell, Chesterfield 3771.
1985 Parkwood Springs wasteland 3489.

(N) *Sedum anglicum* Hudson

English Stonecrop

Old records: 1889 Near Chatsworth (PFD); Rocks near Cover, Derbyshire (*J. Salt*).
1903 Near Chatsworth, plentiful on the rocks, *Harris, C.D.*; rocks near Cover (*Calver*) *Hb. Salt* (Linton).
Records: 1969 Middleton Dale 2275; near Calver 2374.
1981 Road above Eyam 2276.

***Sedum album* L.**

White Stonecrop

Old record: 1965 Wall near Rivelin Dams (SR).
Other records: 1969 Wadshelf 3170.
1972 Wasteland, Crookes Cemetery 3287.
1973 Middleton Dale 2175.
1974 Calver, disused quarry 2374.
1985 Hassop, old railway 2170; Parkwood Springs wasteland 3489.

(N) *Sedum acre* L.

Biting Stonecrop, Wall-pepper

Old records: 1889 Very plentiful in Middleton Dale, Derbyshire (*J. Salt*).
1903 Middleton Dale, *Gibbs*; Baslow (Linton).
1911 On old ruins of Washforth Bridge, Sheffield Moor (SNC).
Other records Grid Map No. 138.

(I) *Sedum reflexum* L.

Reflexed Stonecrop, Large Yellow Stonecrop

Old records: 1888 Walls near Carbrook (*J. Salt*).
1903 Froggatt (Linton).
1911 Sheffield Manor etc. (SNC).

Records Old Brampton 3371; Brockwell, Chesterfield 3771; roadside, Unstone 3777;
since 1972: Wasteland, Crookes Cemetery 3287; Parkwood Springs Wasteland 3489;
Wasteland, Richmond 4085.

(I) **Sempervivum tectorum** L.

House-leek,

Welcome home husband, however drunk you be

Record: 1974 Wood near Brook School 4085.

(N) **Umbilicus rupestris** (Salisb.) Dandy

Navelwort, Wall Pennywort

Old records: 1878 (*Cotyledon umbilicus*) Bradfield (NAT).

1884 (*C. umbilicus*) Lower Bradfield (SNC).

1888 (*C. umbilicus*) Nether Bradfield, *J. Salt*, 1803; Still on walls near stream
at Bradfield *Ed. Birks*, 1876; Abbey Brook cloughs, south border Don
district in Yorkshire, but physico-geographically part of Derbyshire
Derwent district, *R. A. Gatty*, *A. Carr* (LFWY).

1889 Barlow, Nr. Chesterfield, Derbys. and Nether Bradfield, June 1803 (*J. Salt*).

1903 (*C. umbilicus*) Chatsworth, *Hb. Mason*; Barlow, *Hb. Salt* (Linton).

1910 Bradfield, *E. Snelgrove*; Padley Chapel, Grindleford (SNC).

Records: 1966 Low Bradfield 2692.

1969 Lower Bradfield 2692; Froggatt Edge 2476; Grindleford 2479.

1973 Padley 2479 - also seen there 1980, 1984, 1986, 1987.

1980 Low Bradfield 2692; roadside flower bed 2590 (introduced).

Crassula aquatica (L.) Schonl.

Pigmyweed

Record: 1984 Brockwell Reservoir 3771.

(I) **Crassula helmsii** (T. Kirk) Cockayne

New Zealand Pigmyweed

Record: 1984 Tapton Grove Pond 3971.

SAXIFRAGACEAE

(I) **Saxifraga umbrosa** L.

Pyrenean Saxifrage

Records: 1969 Sherriff Wood 2378; Leadmill Bridge 2380.

(I) **Saxifraga x urbium** D. A. Webb (*S. umbrosa* x *S. spathularis*)

Londonpride

Records Coombs Dale 2374; Sherriff Wood 2378; Rivelin 2987; Bradway Golf Course
since 1969: 3379; The Roughs 3185; Chancet Wood 3481.

(N) **Saxifraga tridactylites** L.

Rue-leaved Saxifrage

Old records: 1889 From a wall at Norton, near Sheffield (*J. Salt*).

1903 Bubnell, nr. Baslow; Calver; wall at Norton, *Hb. Salt* (Linton).

Records Stoney Middleton 2175 and 2275; Hassop 2271, 2272; Coombs Dale 2274;
since 1969: Peak Pasture 2374; Calver Sough 2475; Froggatt 2476; Haywood
2476; Grindleford 2477; Dore & Totley Station 3281.

(N) Saxifraga granulata L.

Meadow Saxifrage

Old records: 1889 High road side between Bakewell and Cover, Derbyshire, June 20, 1799, plentiful (J. Salt).

1895 Padley Wood (SNC).

1903 Nr. Baslow, *Miss Armitage*; Edensor, *Pilkington*; Middleton Dale; between Bakewell and Calver, *Hb. Salt* (Linton).

Records since 1969: Cracknowle Wood 2070; Coombs Dale 2274, 2374; Stoney Middleton 2275; Calver Sough 2475; Baslow 2572; Longshaw Lodge 2679; Lawn, Hicks Building 3487.

(N) Saxifraga hypnoides L.

Mossy Saxifrage, Dovedale Moss

Old record: 1903 Middleton Dale, Withering (Linton).

Records: Coombs Dale 2274, 2374.

(N) Chrysosplenium oppositifolium L.

Opposite-leaved Golden-saxifrage

Old records: 1884 Whiteley Wood (SNC).

1889 Common in moist shady places (J. Salt).

1889 About Chesterfield, *Waterfall* (PFD).

1894 Harvey Clough, Meersbrook, Ecclesall Wood (SNC).

1903 Stanage Edge; Bamford; Chatsworth Park, *Carr*; Abney Clough; Burbage Brook; Heathy Lee, Baslow; About Chesterfield, *Waterfall*, *C.D.*; the Delf, Eyam, *Carr*; Limb Brook, near Dore Station; east of Totley (Linton).

Other records Grid Map No. 139.

(N) Chrysosplenium alternifolium L.

Alternate-leaved Golden-saxifrage

Old records: 1888 Rill-side, Nether Hallam, Sheffield, 1802 *Herb. Salt* (LFWY).

1889 About Nether Green, near Sheffield, April 16, 1801; from the side of a rivulet at Nether Hallam, Sheffield, 1802 (J. Salt).

1903 in wood, Baslow (Linton).

Records: 1974 Bretton Clough on river shingle 2179.

1975 Abney Clough, flood plain or river 2079.

1982 Sorby Plantation 3084.

(I) Tellima grandiflora (Pursh) Lindley

Fringe-cups

Records: Dunsa and Pilsey 2470, 2471; between Deepcar and Wortley 2893; Barlow Lees 3476; roadside, Dronfield 3477.

PARNASSIACEAE

(N) Parnassia palustris L.

Grass-of-Parnassus

Old records: 1888 Rotherham District, *Larret Langley*, 1828; quarry, Hooton Roberts, *W. Newbould* (LFWY).

1903 Middleton Dale, *Drabble* (Linton).

Records: 1969 Calver New Bridge 2475.
1981 Coombs Dale 2274.

GROSSULARIACEAE

Ribes rubrum L.

Red Currant

Old records: 1895 Frequent in woods and hedges but probably in most cases only outcasts from gardens or bird sown casuals (NAT).

1903 By R. Derwent, below Hathersage; Froggatt; between Baslow and Hassop (Linton).

Records since 1965: Pilsey 2371; Hassop 2372; Calver 2475, 2476; old railway, Bamford 2083; Eweford 3177; Cutthorpe 3273, 3473; Totley Wood and Ecclesall Wood 3281; Galleys Wood, Beauchief 3381; Hooton Cliff 4997.

(N) Ribes nigrum L.

Black Currant

Old records: 1895 Frequent in woods and hedges but probably in most cases only outcasts from gardens or bird sown casuals (NAT).

1903 Hood Brook, Hathersage; Baslow (Linton).

Records since 1966: Calver 2475; Hathersage 2280; Dale Dike 2491; Moorwoods Lane 3077; Totley 3179; The Roughts 3185; Ladyspring Wood 3281; Kennel Wood 3793, 3894; Letwood Plantation 4686; Thrybergh 4695; Bow Broom 4699.

(I) Ribes sanguineum Pursh

Flowering Currant

Record: 1969 Old railway, Bamford 2083.

(N) Ribes alpinum L.

Mountain Currant, Alpine Currant

Record: 1969 Eyam Dale 2176 - still present 1987.

(N) Ribes uva-crispa L.

Gooseberry

Old records: 1888 (*Ribes grossularia*) Occasional, A. Carr (LFWY).

1895 Frequent in woods and hedges, but probably in most cases only outcasts from gardens or bird sown casuals (NAT).

1889 (*R. grossularia*) Not uncommon at Chesterfield, *Waterfall* (PFD).

1903 Stoney Middleton, *Painter, Natt.*; near Fox House Inn; Froggatt; about Renishaw, *Waterfall* (Linton).

Other records Grid Map No. 140.

DROSERACEAE

(N) Drosera rotundifolia L.

Round-leaved Sundew

Old records: 1882 Padley Woods, Rivelin Valley, moors near Dore, near Redmires (SNC).

1888 Bog near Cliff Rocher, *J. Salt*, 1800; Redmires Bogs, Sheffield, *W. W. Newbould* (LFWY).

1889 Rivelin, near Sheffield, marshy places and in a bog near Cliff Rocher, near Sheffield (*J. Salt*); East Moor, *Scrimshaw* (PFD).

- 1894 Moors near Dore (SNC).
 1895 Moors near Dore (NAT).
 1903 Stanage Edge, 430 yards; Bamford Moor; swampy ground in Rising Clough, near Raddlepit Rushes; moors near Dore, *The Naturalist*; Umberley Brook, Chatsworth; Burbage Brook above the woodland (Linton).
 1910 Rivelin Valley - not recently reported (SNC).
 1911 Ringing Lowe (SNC).
 Other records Grid Map No. 141.

(N) ***Drosera anglica*** Hudson

Great Sundew

Old record: 1903 East Moor (Linton).

LYTHRACEAE

(N) ***Lythrum salicaria*** L.

Purple-loosestrife

Old records: 1888 Rotherham, *L. Langley* (LFWY).
 1895 Meersbrook Park, cultivated (SNC).
 1903 Canal near Killamarsh (Linton).

Records since 1961: Linacre Reservoirs 3272; Whittington 3974; Renishaw Park Lake 4378, 4478; Chesterfield Canal 4476.

(N) ***Lythrum portula*** (L.) D. A. Webb (*Peplis portula*)

Water-purslane

Old records: 1888 Crook's Moor, *J. Salt*. Thereabout still, *A. Carr*, 1876 (LFWY).
 1889 Watery places on Crookesmoor, Sheffield (*J. Salt*).
 1903 Pool one mile east of Killamarsh (Linton).
 1910 "Disappeared as far as is known, *E. Snelgrove*" (SNC).

Other records: 1975 Crowhole Reservoir 3174.
 1977 Crowhole Reservoir 3274.
 1980 Damflask 2791; Morehall Reservoir 2895.

THYMELAEACEAE

(N) ***Daphne mezereum*** L.

Mezereon

Old record: 1889 Garden specimen (*J. Salt*).

ONAGRACEAE

(N) ***Epilobium hirsutum*** L.

Great Willowherb,

Great Hairy Willowherb, Codlins and Cream

Old records: 1889 Banks of a brook at bottom of Old Park, Sheffield (*J. Salt*).
 1889 Common about Chesterfield, *Waterfall* (PFD).
 1894 Dalton Brook (SNC).
 1911 Banks of the Don at the Barracks, Blackburn Tilt (SNC).

Other records Grid Map No. 142.

(N) **Epilobium parviflorum** Schreber Hoary Willowherb, Lesser Hairy Willowherb
 Old records: 1888 Marsh on Crook's Moor, Sheffield, 1794, *Herb. Salt* (LFWY).
 1889 Marsh on Crookesmoor, Sheffield, 1794 (J. Salt).
 1889 Hassop, *Bailey* (PFD).
 1903 Hassop, *Painter, Natt.*; Shatton; between Brampton and
 Holymoorside, *Drabble*; Totley Moss; Boslover (Linton).
 Other records Grid Map No. 143.

(N) **Epilobium montanum** L. Broad-leaved Willowherb
 Old record: 1889 In woods and hedges, common (J. Salt).
 Other records Grid Map No. 144.

(N) **Epilobium montanum x obscurum**
 Record: 1911 Brockwell - *Drabble, T. Bot.* (DF).

(N) **Epilobium roseum** Schreber Pale Willowherb, Small-flowered Willowherb
 Old records: 1903 Near Stoney Middleton; Froggatt; Barlow Brook, in Cobnar Wood;
 near Hassop Station; Renishaw Canal (Linton).
 Records Umberley Brook 27; river bank near Hathersage 2181; Bamford 2183;
 since 1966: Barlow 3474; Forge Dam 3084; stream, Gallery Wood 3894; High Green
 3398; Poolsbrook 4473; Whiston Meadows 4489; Wales 4782; Clifton 4392.

(I) **Epilobium ciliatum** Rafin (E. adenocaulon) American Willowherb
 Old record: 1837 "Epilobiums" in Rivelin Valley (Holland).
 Other records Grid Map No. 145.

(N) **Epilobium tetragonum** L. (E. adnatum) Square-stalked Willowherb
 Old records: 1885 Near Park Furnace, Sheffield, 1798, common in marshy places (Salt).
 1888 Near Woodhouse Mill, Sheffield, *Geo. Harrison Herbarium* (LFWY).
 1894 Norton (SNC).
 Records Crookes Cemetery 3287; Wharncliffe 3195, 3197; Wickfield Wood 4084.
 since 1972:

(N) **Epilobium obscurum** Schreber Short-fruited Willowherb, Dull-leaved Willowherb
 Old records: 1888 Near Park Furnace 1798, *Herb. Salt* (LFWY).
 1889 Baslow, *Bailey* (PFD).
 1903 Bamford; Baslow, *Painter J. B.*; Shatton; by Beauchief Abbey; Brierley
 Wood, Unstone; Mosborough (Linton).
 Other records Grid Map No. 146.

(N) **Epilobium palustre** L. Marsh Willowherb
 Old records: 1888 By Rother, near Treeton, A. Carr (LFWY).
 1889 Sides of ditches about Chesterfield (J. Salt).

1903 Bamford; Hood Brook, Hathersage; Abney Clough; near Hathersage; near Owlter Tor; Froggatt; sides of ditches about Chesterfield, *Hb. Salt*; Totley Moss (Linton).

Other records Grid Map No. 147.

(N) *Epilobium palustre* x *parviflorum*

Record: 1903 Roadside on the Chesterfield road, near Robin Hood's Inn (Linton).

(N) *Epilobium anagallidifolium* Lam.

Alpine Willowherb

Record: 1975 Hallam Moors 2486.

(I) *Epilobium brunnescens* (Cockayne) Raven & Engelhom (E. nerteroides)

New Zealand Willowherb

Records: 1972 Ladybower Quarry 2086.
1976 Jarvis Clough 2186.
1983 Garden, Lodgemoor 2986.
1983 Stoke Quarry, Grindelford 2377.

(N) *Chamerion angustifolium* (L.) J. Holub

Rosebay Willowherb

(*Chamaenerion angustifolium*, *Epilobium angustifolium*)

Old records: 1839 (E. angustifolium) with *Lathraea squamaria* localised - Tinsley Park. The place is near Sheffield, an "old Lees Herbarium" by F. Arnold Lees, *MRCB* (NAT).

1888 (E. angustifolium) 1670 near Sheffield, *J. Ray Cat.* (LFWY).

1889 (E. angustifolium) Eckington, *Waterfall* (PFD).

1894 (E. angustifolium) Hemsworth (SNC).

1895 (E. angustifolium) Common on railway banks; Blacka Plantation (NAT).

1903 Stoney Middleton; Hathersage; near Fox House Inn; Grindleford Bridge; Blacka Plantation, Dore, *The Naturalist*; Eckington Wood, *Waterfall*; Dronfield; quarry near Mosborough (Linton).

1921 (E. angustifolium) Spreading on railways near Hood Hill (NAT).

Other records Grid Map No. 148.

(I) *Oenothera biennis* L.

Common Evening-primrose

Old Record: 1845 Banks of the Don, below Sheffield, Yorkshire. Naturalised (*Florographia Britannica*).

Records: 1969 Coombs Dale 2374; Chesterfield 3672.
1971 Lees Hall 3684.
1985 Sickley Bottom 3893.

(I) *Oenothera erythrosepala* Borbas (O. lamarckiana)

Large-flowered Evening-primrose

Records: Grindleford 2478; Parkwood Springs 3489; near Middlewood 3191; since 1969: Burncross 3496; Staveley 4373; Canal near Denaby 4899.

(I) **Oenothera cambrica** Rost. (*O. parviflora*) Small-flowered Evening-primrose

Record: 1985 Killamarsh 4582.

(N) **Circaea lutetiana** L. Enchanter's-nightshade

Old records: 1888 Rotherham, *L. Langley*, 1828; Sheffield, *J. Salt*, 1800; Endcliffe Wood, *G. Harrison*; plentiful about Little Matlock, *Salt*, note by *J. H. (Holland)* in *Herb. Salt* (LFWY).

1889 North of Hassop; bank of R. Rother, *Waterfall* (PFD).

1889 Common in woods and moist hedges about Sheffield; plentiful at Little Matlock, near Sheffield (*J. Salt*).

1894 Harvey Clough (SNC).

1903 North of Hassop, 250-300 yards, *West J. B.*; Shatton; bank of R. Rother, *Waterfall*, *C.D.*; Birleyhay; Umberley Brook, near Chatsworth; The Moss, near Mosborough; wood east of Eckington; by Pebley Pond; Harlethorpe, near Clowne (Linton).

1911 Grimesthorp Wood; Norwood; Wincobank Bridge; Fullwood (SNC).

Other records Grid Map No. 149.

(N) **Circaea x intermedia** Ehrh. Upland Enchanter's-nightshade,
(*C. lutetiana* x *alpina*) Hybrid Enchanter's-nightshade

Old records: 1884 Rivelin; Whiteley Wood (SNC).

Records Rivelin Valley; common along streamsides, Ecclesall Woods, Sheffield.

since 1953: 1974 Ecclesall Wood 3282; Rivelin 3187; Nether Padley 2578.

1985 Parkwood Springs 3489.

(N) **Circaea alpina** L. Alpine Enchanter's-nightshade

Old records: 1884 Rivelin Valley, Sheffield (NAT).

1888 Rivelin, *Amos Carr*; foot of the cemetery at Crookes, 1876 (LFWY).

1889 Garden specimen (*J. Salt*).

Record 1980 Graves Park 3582.

HALORAGACEAE

(N) **Myriophyllum verticillatum** L. Whorled Water-milfoil

Old records: 1847 Ponds and ditches near Sheffield (*Florographia Britannica*).

1903 Canal near Killamarsh (Linton).

Records Brimington 3974.

since 1974:

(N) **Myriophyllum spicatum** L. Spiked Water-milfoil

Old records: 1888 Near Attercliffe coalmines, *J. Salt*; near Beighton, *Geo. Harrison Herb.* (LFWY).

1889 Ditches and stagnant waters near Attercliffe coalmines, Sheffield (*J. Salt*).

1903 Harlethorpe, Nr. Clowne; Pebley Pond (Linton).

Records Emperor Lake 2670; Pebley Pond 4879; Canal, Killamarsh 4782; Thrybergh
since 1962: Reservoir 4795; Birkenhead Wood 4879; Harthill Reservoir 4880; Dog
Kennel Pond 4096; Wentworth Park 4196.

(N) *Myriophyllum alterniflorum* DC.

Alternate Water-milfoil

Old record: 1903 Canal between Renishaw and Staveley, *Waterfall* (Linton).

HIPPURIDACEAE

(N) *Hippuris vulgaris* L.

Mare's-tail

Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).

1903 About Chatsworth, *Gem of the Peak*; canal near Killamarsh;
Harlesthorne, near Clowne (Linton).

Records Barlborough 4976; Clowne 4873, 4875; Oxcroft Colliery 4773; Chesterfield
since 1968: Canal 4782; Kiveton Park 4982; Killamarsh (Norwood) 4782; Thrybergh Tip
4595; Listerdale, old site gone 4692.

CALLITRICHACEAE

(N) *Callitriche stagnalis* Scop.

Common Water-starwort

Old records: 1903 Bamford; Renishaw; Grindleford Bridge; Barlow Brook in Cobnar
Wood (Linton).

Other records Grid Map No. 150.

(N) *Callitriche platycarpa* Koch

Various-leaved Water-starwort

Old records: 1894 (*C. aquatica*) Darnall (SNC).

1889 (*C. verna*) Still waters and slow streams (J. Salt).

Records Upper and Middle Redmires Dams 2585, 2685; Upper and Lower Rivelin
since 1966: Dams 2786; Upper Coppice 2987; Morehall Reservoir 2895; Round Dam
3087; Pebley Pond 4878; Barlborough 4976; Treeton 4386; Blue Man's
Bower 4389; Whiston Meadows 4489.

(N) *Callitriche hamulata* Koch (*C. intermedia*)

Intermediate Water-starwort

Old records: 1888 In the Rother, *A. Carr*; Sheffield, *Salt Flora*; Stones Dike, near Kiveton,
A. Carr (LFWY).

1889 (var. *pedunculata*) Middleton Dale, late *A. Carr*, communicated by *F. A. Lees* (PFD).

1903 Middleton Dale; Chatsworth Park; by Beauchief Abbey; pool, one mile
east of Killamarsh; woods south east of Westthorpe; canal near
Chesterfield; Hood Brook, near Hathersage; Birley Hay; Beighton
(Linton).

Records since 1944: Hassop Hall 2172; Emperor Lake 2670; Longshaw Pond 2679; Emperor Stream 2871; Big Moor 2877; Yorkshire Bridge 2085; Hallam Moor 2486; above Rowel Bridge 2989; small dam, Whirlow Bridge 3182; Beauchief Abbey 3381; Birley Hay 3980.

LORANTHACEAE

(N) *Viscum album* L.

Mistletoe

- Old records: 1889 Hawthorn near Beighton, 8 miles from Sheffield (J. Salt).
 1901 Mistletoe at Sheffield of Eld. "230 years ago *V. album* grew 'Sheffieldiam adeat' (*Ray's Catalogus Plantarum Angliae 1st. Ed. 1670*), that is nigh to or approaching the city of cutlery". 16 Jan. 1901 (NAT).
 1903 Chatsworth, *Gem of the Peak*; on a hawthorn near Beighton, *Hb. Salt*; on an oak at Staveley in the latter half of 17th century said to be 'the only oak in England that bears mistletoe' (*Natts. Monthly, Dec. 1887*) (Linton).
 1911 On old apple tree at bottom of Wincobank (SNC).
- Records since 1964: Garden, Dalewood Drive 3382 (plentiful still, 1986); Garden, Norton Lees Lane (planted) 3587; Renishaw Park 4378; on Hawthorn, Birley Vale, Shirebrook 4083; planted rowan, Aston 4685.

CORNACEAE

(N) *Cornus sanguinea* L. (*Thelycrania sanguinea*)

Dogwood

- Old records: 1888 Rotherham District, *L. Langley*, 1828; hedges near Jordan Dam, *J. Salt*, 1800 (LFWY).
 1889 Middleton Dale, Derbyshire, July 1799; hedges near Jordan Dam, Sheffield (J. Salt); road to Staveley, *Waterfall* (PFD).
 1894 Near Oughtibridge; Beighton (SNC).
 1895 Beighton (NAT).
 1911 Blackburn Tilt (SNC).
 Other records Grid Map No. 151.

(I) *Cornus mas* L.

Cornelian Cherry

- Record: 1969 Cordwell Valley 3170.

ARALIACEAE

(N) *Hedera helix* L.

Ivy

- Old record: 1889 Common (J. Salt).
 Other records Grid Map No. 152.

UMBELLIFERAE

(N) *Hydrocotyle vulgaris* L.

Marsh Pennywort, White-rot

- Old records: 1889 Gathered on Crookesmoor, Sheffield, July 1796; common in marshy ground (J. Salt).
 1894 Common on the moors (SNC).
 1895 Common in bogs on the moors (NAT).
 1903 Bamford; Hood Brook, Hathersage; Rising Clough, near Strines Edge; Froggatt; Umberley Brook, near Chatsworth (Linton).
 1910 "in marsh below Den Bank", *E. Snelgrove* (SNC).
 1911 Rann moor, and the East Moor, Ringing Lowe (SNC).
 1938 Owler Bar (Sorby Records)
 1940 Marsh by Ewden Fish Ponds (Sorby Records)
 1941 Sugworth (Sorby Records); Whamcliffe Chase, Don Valley (J. Brown).
 Other records Grid map No. 153.

(N) *Sanicula europaea* L.

Sanicle

- Old records: 1884 Whiteley Wood (SNC).
 1888 Rotherham District, *L. Langley*, 1828; Old Park, near Sheffield, *J. Salt* (LFWY).
 1889 Plentiful in Old Park, and most woods near Sheffield (J. Salt).
 1889 Common about Chesterfield, *Waterfall* (PFD).
 1894 Black Brook (SNC).
 1903 Near Chatsworth, *The Naturalist*; Clinker Wood and Parkhall Wood, near Renishaw, *Waterfall*; Totley, *Painter, Natt.* (Linton).
 Other records Grid Map No. 154.

(I) *Astrantia major* L.

Astrantia, Pink Masterwort

- Record: 1969 Yeld Wood, garden escape 2672.
 1972 Derelict garden, Ranmoor (site gone) 3186.

(N) *Chaerophyllum temulentum* L.

Rough Chervil

- Old record: 1894 Ecclesall Wood (SNC).
 Records since 1969: Middleton Dale 2175; Calver 2473; Calver New Bridge 2475; Sherriff Wood 2778; new road, Bamford 2083; Barlow Ponds 3575; Oxcroft 4673; Ulley 4488; Todwick 4985.

(N) *Anthriscus caucalis* Bieb.

Bur Chervil

- Old records: 1888 (*Chaerophyllum anthriscus*) Near Wadsley Forge, *J. Salt* (LFWY).
 1889 Common about Chesterfield, *Waterfall* (PFD); (*A. vulgaris*) near Wadsley Forge, near Sheffield (J. Salt).
 Record: 1969 Spital 3871.

(N) **Anthriscus sylvestris** (L.) Hoffm. Cow Parsley, Keck
 Old record: 1889 Common in hedges and pastures (J. Salt).
 Other records Grid Map No. 155.

(I) **Anthriscus cerefolium** (L.) Hoffm. Garden Chervil
 Record: 1985 Tinsley Sewage Works 4091.

(N) **Scandix pecten-veneris** L. Shepherd's-needle
 Old records: 1889 Frequent about Chesterfield, *Waterfall* (PFD).
 1889 Cornfields, common (J. Salt).
 1903 Norton, *Painter, Natt.*; about Renishaw, *Waterfall*; Bamford Station;
 Spital, Chesterfield, *Drabble* (Linton).
 1926 Near Hathersage Church, rare (Sorby Records).
 1946 Near Bar Brook, Baslow, (Sorby Records).
 Records Wales 4782; Chesterfield 3672.
 since 1971:

Myrrhis odorata (L.) Scop. Sweet Cicely
 Old records: 1837 Wharmcliffe (Holland).
 1884 Endcliffe Vale (SNC).
 1888 Don banks above Sheffield, *J. Salt, Herb.*, June 1799; Aldwarke, *A. Carr*; Whiteley Wood, *G. Harrison* (LFWY).
 1889 Gathered on the bank of the Dun, a little above the Corn Mill built by the Friendly Societies, Sheffield, June 1799; on the side of the river next Old Park (J. Salt).
 1894 Endcliffe Wood; Oughtibridge; Beauchief; Norton etc.; Loxley Valley (SNC).
 1895 Wharmcliffe Wood; Ecclesall Wood; Beauchief; Dore; Norton; Eckington; Baslow; Calver (NAT).
 1903 Eckington, *The Naturalist*; The Moss, Mosborough; Mytham and Grindleford Bridges; Shatton; Froggatt; Baslow; Calver, *The Naturalist*; Beauchief; Dore; Eyam; Ashopton; Norton; canal side above Chesterfield (Linton).
 1911-1913 (*Scandix cerefolium*) Owlerton and along the banks of the Don. Abundant in Beeley Wood and Whiteley Wood (SNC).
 1940 Upper Porter Valley (J. Brown).
 1942 Beeley Wood, Don Valley (J. Brown).
 Other records Grid Map No. 156.

(N) **Conopodium majus** (Gouan) Loret Pignut, Earthnut
 Old records: 1889 (*Bunium flexuosum*) Meadows and pastures, common (J. Salt).
 1894 (*C. denudatum*) Ecclesall Wood; Holmesfield (SNC).
 1911 Near Owlerton, Crookes Moor, Whiteley Wood (SNC).
 Other records Grid Map No. 157.

(N) **Pimpinella saxifraga** L.

Burnet-saxifrage

Old records: 1889 Common about Sheffield in dry soil (J. Salt).

1903 About Renishaw, *Waterfall*; Norton, *Painter, The Naturalist*; Wilday Green, Barlow; Spinkhill, Eckington; The Moss, Mosborough (Linton).

Other records Grid Map No. 158.

(N) **Pimpinella major** (L.) Hudson

Greater Burnet-saxifrage

Old records: 1888 (var. *dissecta*) Roadside between Catcliffe and Treeton, *Amos Carr* (LFWY).

1889 (P. *magna*) limestone soil near Cover (Calver), Derbyshire, June 26th, 1800 (J. Salt).

1903 First found, *Salt*, 1800; by canal near Chesterfield; limestone, near Calver, *Hb. Salt*; between Hassop and Baslow; Killamarsh; Beighton; Bolsover (Linton).

Records since 1965: Hassop 2271; Barlow Lees 3476; Brimington 3974; Ford Valley 3880; Geer Lane 3980; Pebley Pond 4878; R. Rother 4388; Beighton 4482.

Aegopodium podagraria L.

Ground-elder,

Goutweed, Bishop's Weed, Herb Gerard

Old records: 1889 Gathered near Norton Lees, Sheffield, 1798 (J. Salt); about Chesterfield, *Waterfall*; by Beauchief Abbey (PFD).

1894 Norton Lees (SNC).

Other records Grid Map No. 159.

(N) **Berula erecta** (Hudson) Coville

Lesser Water-parsnip

Old records: 1888 Wadsley and Ecclesfield, *A. Carr* (LFWY).

1889 (*Sium angustifolium*) Renishaw Canal, *Waterfall* (PFD).

1903 (*S. erectum*) Renishaw Canal, *Waterfall, C.D.* (Linton).

Records since 1969: Middleton Dale 2175; Calver 2375; Brimington and Blue Banks 3974; Renishaw Canal 4477; Barlborough Park 4777; Pebley Pond 4879; Treeton Flash 4288; Woodhouse Mill 4386; Old Flatts 4388; Blue Man's Bower 4389; Killamarsh 4582 and 4681; Woodall 4781; Chesterfield Canal 4782; Harthill Reservoir 4880.

(N) **Oenanthe fistulosa** L.

Tubular Water-dropwort

Old records: 1888 Near Kiveton Station, *A. Carr* (LFWY).

1889 Canal banks near Chesterfield, *Waterfall* (PFD).

1903 Canal banks near Renishaw, *Waterfall* (Linton).

1910 Rotherham (SNC).

Records: 1970 Thrybergh 4796.

1973 Harthill Reservoir 4880.

- (N) **Oenanthe crocata** L. Hemlock Water-dropwort
 Old records: 1840 Darnsfield, Nr. Sheffield (BF).
 Record: 1969 Mexborough 4799; still there in 1973.
- (N) **Oenanthe aquatica** (L.) Poiret Fine-leaved Water-dropwort
 Old records: 1888 (O. phellandrium) Marsh below Aldwarke Corn Mill, 1798, *Herb. Salt* (LFWY).
 1889 Marsh a little below Aldwarke Corn Mill, about 8 miles below Sheffield, 1798 (J. Salt).
 1911 Marsh at Aldwarke (NAT).
- (N) **Aethusa cynapium** L. Fool's Parsley
 Old records: 1889 Common in cornfields (J. Salt); common about Chesterfield, *Waterfall* (PFD).
 1894 Norton Lees, garden weed (SNC).
 1903 The Hague, Renishaw, *Waterfall*; Eckington; Bolsover; Beighton; Coal Aston; Unstone; Bamford; Stoney Middleton; Near Hathersage; Grindleford Bridge; Bubnell, near Baslow (Linton).
 1911 Gardens, as weed (SNC).
 Other records Grid Map No. 160.
- (I) **Foeniculum vulgare** Miller Fennel
 Old records: 1889 Brightside, Sheffield (J. Salt).
 1903 Spital, Chesterfield (Linton).
 1911 On a rough bank at Brightside (SNC).
 Other records Grid Map No. 161.
- (N) **Silaum silaus** (L.) Schinz & Thell. Pepper-saxifrage
 Old records: 1903 (S. flavescens) Hills near Chatsworth, *Watson's N. B. G.*; Bolsover; Woodland near Beauchief Abbey (Linton).
 Record: 1985 Firsby Reservoir 4995.
- (N) **Conium maculatum** L. Hemlock
 Old records: 1888 By canal, Swinton, A. Carr; Brightside, *J. Salt* (LFWY).
 1889 Near Brightside Paper Mill, near Sheffield, plentiful (J. Salt); Common about Chesterfield, *Waterfall* (PFD).
 1894 Beighton (SNC).
 1895 Beighton (NAT).
 1903 Barlow Brook, in Cobnar Wood; Calver; Eckington; banks of R. Rother, near Renishaw, *Waterfall*; Beighton, *The Naturalist*; Spital, Chesterfield, *Drabble* (Linton).
 1910 Rotherham (SNC).
 Other records Grid Map No. 162.

Bupleurum rotundifolium L.

Thorow-wax, Hare's-ear

Old record: 1888 Rotherham District, 1828, *L. Langley* (LFWY).

Records since 1970: Stonelow Road, Dronfield 3578; Hollythorpe Road 3583; Bishops Court Road 3584; Grindlow Close 3684.

(N) **Apium nodiflorum** (L.) Lag.

Fool's Water-cress

Old records: 1888 First record, *Salt*, 1800 (LFWY).

1889 (*Helosciadium nodiflorum*) Renishaw Canal, Chesterfield, *Waterfall* (PFD).

Other records Grid Map No. 163.

(N) **Apium inundatum** (L.) Reichenb. fil.

Lesser Marshwort

Old records: 1888 Near Attercliffe Coal-mines, *J. Salt*; by the R. Don, Brightside, *A. Carr* (LFWY).

1889 (*Helosciadium inundatum*) Renishaw Canal, *Waterfall* (PFD).

1941 Harthill Pond (*J. Brown*).

Records since 1969: Chatsworth 2670; Pebley 4879; Harthill Pond 4880.

(I) **Petroselinum crispum** (Miller) A. W. Hill

Garden Parsley

Old records: 1889 (*P. sativum*) From a garden near Sheffield (*J. Salt*).

Record: 1981 Fitzwilliam Gate 3486.

(I) **Ammi majus** L.

Bullwort, False Bishop's Weed

Records: 1969-74 Bamford roadside 2083.

1987 Crookesmoor Recreation Ground (from birdseed) 3387.

(I) **Carum carvi** L.

Caraway

Old record: 1888 Rail bank, Grange Lane, *A. Carr* (LFWY).

(N) **Bunium bulbocastanum** L.

Great Pignut, Great Earthnut

Old record: 1911 Near Owlerton; Crookes Moor (said to be possible error for *Conopodium majus*) (SNC).

(N) **Ligusticum scoticum** L.

Scots Lovage

Old record: 1889 Norton Hammer Nursery (*J. Salt*).

(N) **Angelica sylvestris** L.

Wild Angelica

Old records: 1884 Rivelin (SNC).

1889 Woods, hedges and sides of rivers, frequent (*J. Salt*); Common about Chesterfield, *Waterfall* (PFD).

1894 Totley to Holmesfield; near Holmesfield; Ecclesall Wood; Harvey Clough (SNC).

1903 Froggatt; canal bank, Renishaw, *Waterfall*; Totley Moss; Mosbrough; woods in Coal Aston; Harlethorpe, near Clowne (Linton).

1911 Grimesthorpe Wood; Old Park Wood; Norwood; Endcliffe Wood, etc.
(SNC).

Other records Grid Map No. 164.

(I) **Levesticum officinale** Koch

Green Dolphin

Records: 1969-74 Sheepbridge 3774.
1978 Parkwood Springs 3489.

(I) **Peucedanum ostruthium** (L.) Koch

Masterwort

Old record: 1935 Laneside N.W. of Wentworth; roadside bank, below house, Rod Moor,
west of Stannington, 1935, the elevation of the latter station is about
1200 ft. (NWN).

(N) **Pastinaca sativa** L.

Wild Parsnip

Records Ashgate 3671; Sheepbridge 3675; Brockwell Tip 3771; Totley Rise 3180;
since 1970: Parkwood Springs 3489; Attercliffe 3789; Middlewood 3291; Tinsley 3992;
Barrow Hill 4175; Breck Farm 4276; Poolsbrook 4374; Staveley 4375;
Orgreave 4287; Near Beighton 4384 and 4484; Bow Bridge 4292.

(N) **Heracleum sphondylium** L.

Hogweed, Cow Parsnip

Old records: 1894 Common (SNC).
1903 Linacre Wood, *Drabble*; East of Totley (Linton).
Other records Grid Map No. 165.

(I) **Heracleum mantegazzianum** Sommier & Levier

Giant Hogweed

Records Belgrave Road 3186; Riverdale Road 3285 and 3286; Ecclesall Road 3486;
since 1980: Graves Park 3582; Moss Valley 4080; Richmond Road 4085.

(N) **Torilis japonica** (Houtt.) DC.

Upright Hedge-parsley

Records: Grid Map No. 166.

(N) **Torilis nodosa** (L.) Gaertner

Knotted Hedge-parsley

Old records: 1881 'Sheffield' (NAT).
1888 Brightside, *J. Salt*, 1800; Tinsley, the Rivelin, Damall etc., *A. Carr*
(LFWY).

(I) **Caucalis platycarpus** L.

Small Bur-parsley

Old record: 1888 (*C. daucoides*) Rotherham District, *L. Langley*, 1828 (LFWY).

(I) **Coriandrum sativum** L.

Coriander

Record: 1984 'Asian' allotments, Ouse Road 3888 (site destroyed).

(N) *Daucus carota* L.

Wild Carrot

Old records: 1889 Common about Chesterfield, *Waterfall* (PFD).

1894 Millhouses (SNC).

1895 Millhouses (NAT).

1903 Middleton Dale, *Miss Fenton*; Eckington; between Renishaw and Staveley, *Waterfall*; Millhouses, *The Naturalist*; Beighton; Crowhole, near Barlow; Millthorpe, near Holmesfield; south of Coal Aston; Bolsover (Linton).

1910 Ecclesall Wood (SNC).

1911 Near Owlerton, at Grimesthorpe, and in several other parts (SNC).

Records since 1973: Linacre 3372; Cowley 3376 and 3377; Dronfield 3577; Sheepbridge 3874; Bradway 3380; Ecclesall Road 3486; Chapeltown 3597; Poolsbrook 4373; near Beighton 4384 and 4484; Norwood 4782; Denaby 4999.

CUCURBITACEAE

(N) *Bryonia dioica* Jacq.

White Bryony

Old records: 1889 Common in hedges and thickets (J. Salt).

1910 Rotherham (SNC).

1911 Brightside, Old Park etc. (SNC).

Records since 1970: Waleswood 4683; Aughton 4686; Hooton Roberts 4797; Denaby 4798; near Conisborough 4998.

ARISTOLOCHACEAE

***Asarum europaeum* L.**

Asarabacca

Old record: 1889 Gathered in Mr. Stainforth's Garden, near Sheffield 1799 (J. Salt).

EUPHORBIACEAE

(N) *Mercurialis perennis* L.

Dog's Mercury

Old records: 1884 Rivelin (SNC).

1889 Common in woods and hedges (J. Salt).

1894 Common around Sheffield (SNC).

1911 Common (SNC).

Other records Grid Map No. 167.

***Mercurialis annua* L.**

Annual Mercury

Record: 1973 Denaby 4899. (still present 1976).

***Euphorbia lathyris* L.**

Caper Spurge

Old record: 1888 (*E. Lathyris*) Cultivated ground near Sheffield, *Miall's Flora* (LFWY).

Records since 1976: Deepcar 2798; Grasscroft, nr. Chesterfield 3976; Ecclesall Road 3486; Parkwood Springs 3489; Rockley Road 3290.

(N) **Euphorbia platyphyllos** L. Broad-leaved Spurge
 Old records: 1888 (E. platyphylla) Field between Thorpe Hesley and Grange Station, A. Carr (LFWY).
 Record: 1985 Parkwood Springs 3489.

(N) **Euphorbia helioscopia** L. Sun Spurge
 Old records: 1889 Gathered near Sheffield; common in cultivated places (J. Salt).
 1911 Near Belle Vue House (SNC).
 1942 Cordwell Valley (J. Brown).
 Other records Grid Map No. 168.

(N) **Euphorbia peplus** L. Petty Spurge
 Old records: 1889 Common in a rich soil (J. Salt).
 1894 Garden, near Norton Lees (SNC).
 1911 Common in gardens (SNC).
 Records since 1972: Grange Hill 3274; Wilkins Hill, Barlow 3474; Monk Wood 3476 and 3576; Dronfield 3577; Fanshaw Bank 3578; Sheepbridge 3774; Tasker Road 3286; Parkwood Springs 3489; Hollythorpe Road 3583; Meersbrook 3584; Ford 4081; Richmond 4085; Killamarsh 4680; Greasborough Dam 4196; Greasborough 4295; Upper Haugh 4297; Moorgate 4490; East Heringthorpe 4593; Bow Broom 4599; Listerdale 4691; Kilnhurst Cut 4697.

(N) **Euphorbia exigua** L. Dwarf Spurge
 Old records: 1889 Common about Chesterfield, *Waterfall* (PFD); in cornfields, frequent (J. Salt).
 1894 Garden, Norton Lees (SNC).
 1903 (var. *retusa*) Fields near Coal Aston (Linton).
 Records since 1973: Totley 3179; near Barlow Grange 3274; Millthorpe 3276; Barlow 3474; Monk Wood 3476 and 3576; Brockwell 3772; Baslow Road 3180; Gleadless 3881; Lightwood 3882; Carter Hall Farm 3981; Oxcroft Colliery 4673; Whitwell Walls 4977; Treeton Dyke 4386; Hooton Roberts 4896.

Euphorbia cyparissias L. Cypress Spurge
 Record: 1972 Hassop, disused station 2170.
 1978 Woodstock Bower 4192.

Euphorbia amygdaloides L. Wood Spurge
 Old record: 1889 Woods about Chesterfield, *Waterfall* (PFD).

POLYGONACEAE

(N) *Polygonum aviculare* agg.

Knotgrass

- Old records: 1884 (var. *agrestinum*) Crookes (SNC).
 1888 (var. *arenastrum*) Railway-bank at Crookes; near the Nunnery Coalpit, A. Carr; (var. *microspermum*) near Nunnery Coalpit, Sheffield, A. Carr (LFWY).
 1889 Roadsides, very common (J. Salt).
 1894 Near Holmesfield, common (SNC).
 Other records Grid Map No. 169.

(N) *Polygonum bistorta* L.

Common Bistort, Snake-root, Easter-ledges

- Old records: 1882 Rivelin Valley (SNC).
 1884 Endcliffe Wood (SNC).
 1888 Sheffield and several other places of that country, *Ray, Cat. i, 44; ii, 42 1670; Ray, Hist; Martyn, etc.* Rotherham, L. Langley (LFWY).
 1889 Gathered at Norton, near Sheffield, June 1798; in several moist meadows about Sheffield and Heeley (J. Salt).
 1894 Near Heeley; Whiteley Wood; near Oughtibridge (SNC).
 1895 Whiteley Wood and Brincliffe; Millhouses and in woods between Norton and Eckington (NAT).
 1903 The Moss, Mosbrough; Barlow Brook; Millhouses; woods between Norton and Eckington, *The Naturalist*; Norton, *Hb. Salt*, 1798 (Linton).
 1911 Netherthorpe (SNC).
 1937 Millhouses Park (Sorby Records).
 Other records Grid Map No. 170.

(N) *Polygonum amphibium* L.

Amphibious Bistort

- Old records: 1888 Rotherham District, L. Langley, 1828 (LFWY).
 1889 Common about Chesterfield, *Waterfall* (PFD).
 Other records Grid Map No. 171.

(N) *Polygonum persicaria* L.

Redshank, Persicaria

- Old records: 1894 Heeley (SNC).
 1899 Ditchbanks and in cornfields, frequent (J. Salt).
 Other records Grid Map No. 172.

(N) *Polygonum lapathifolium* L.

Pale Persicaria

- Records: Grid Map No. 173.

(N) *Polygonum hydropiper* L.

Water-pepper

- Old records: 1899 Near Sheffield in watery places, common (J. Salt); Common about Chesterfield, *Waterfall* (PFD).
 1910 Rivelin Glen, near stream, E. Snelgrove (SNC).
 Other records Grid Map No. 174.

- (N) **Polygonum mite** Schrank Tasteless Water-pepper, Lax-flowered Persicaria
Record: 1969 Canal near Chesterfield 3871.
- (I) **Polygonum polystachyum** Meissner Himalayan Knotweed
Record: 1982 Whirlow Park 3083.
- (I) **Polygonum campanulatum** Hooker-fil. Lesser Knotweed
Record: 1985 Long Line 3082.
- (I) **Reynoutria japonica** Houtt. (*Polygonum cuspidatum*) Japanese Knotweed
Records: Grid Map No. 175.
- (I) **Reynoutria sachalinensis** Giant Knotweed
 (Friedrich Schmidt Petrop) Nakai (*Polygonum sachalinense*)
Records: 1973 Totley Wood 3281.
 1981 Roadside, Sorby Plantation 3085.
- (N) **Fallopia convolvulus** (L.) A. Love (*Polygonum convolvulus*) Black-bindweed
Old records: 1889 Common in gardens and cornfields, Sheffield (J. Salt); Common about
 Chesterfield, *Waterfall* (PFD).
 Other records Grid Map No. 176.
- (I) **Fallopia aubertii** (Louis Henry) J. Holub Russian Vine
Records: 1971 Smithywood Road 3484.
 1980 Wilday Green 3274.
 1983 Wadshelf 3170.
 1984 Corporation Street Bridge (set) 3588.
- (I) **Fagopyrum esculentum** Moench Buckwheat
Old records: 1889 Chesterfield, *Pilkington's History* (PFD).
 1903 Chesterfield, *Pilkington* (Linton).
Records: 1969 Coombs Dale 2373.
 1980 Norton Lees 3583.
 1987 Ochre Dike 4182.
- (N) **Rumex acetosella** agg. Sheep's Sorrel
Old records: 1889 Very common (J. Salt).
 1894 Near Norton Lees, common (SNC).
 Other records Grid Map No. 177.
- (N) **Rumex acetosa** L. Common Sorrel
Old record: 1889 Gathered in a meadow near Sheffield, very common (J. Salt).
 Other records Grid Map No. 178.

(N) Rumex hydrolapathum Hudson Water Dock

Old records: 1884 Canal, Kiveton (SNC).
1888 By Don, below Sheffield, *E. Miller*, 1804 (LFWY).
1903 Canal bank, Renishaw, *Waterfall*; Canal near Killamarsh (Linton).

Records since 1964: Chesterfield Canal 3974; Birley 3292, 3293 and 3392; Renishaw Park Lake 4378; Chesterfield Canal 4476; Holbrook 4480; Killamarsh 4581; Rother Valley 4582; Norwood 4681; Whinney Hill Marsh 4594.

(I) Rumex alpinus L. Monk's-rhubarb

Old records: 1895 Near Dore (NAT).
1903 Near Dore, *The Naturalist* (Linton).
1927 Found along the wall sides in the lane and in an adjoining field through a gate. A lane that leads from Dore to Blacka Moor (Near Dore in Linton's Flora of Derbyshire) (NWN).
1953 Many plants by the road sides near farm at edge of Rod Moor, west of Sheffield, alt. 1035 ft. (NAT).

Records since 1971: Bakewell 2170; Rod Side 2688; road verge Stanington area 2788; Lane, Dore/Blackamoor 2980; Dore, pasture 2981; Freeburch 3072, 3073 and 3172; road verges, Holmesfield and Fox Lane 3076; Barlow Grange 3173; Moorhall 3174; Wadshelf 3271; Gallery Wood 3894.

(N) Rumex longifolius DC. Northern Dock

Old records: Cordwell, *E. Drabble* (J. Bot. c.1913).

(N) Rumex crispus L. Curled Dock

Old record: 1889 Meadows and roadsides, common (J. Salt).
Other records Grid Map No. 179.

(N) Rumex obtusifolius L. Broad-leaved Dock

Old records: 1889 Common about Chesterfield, *Waterfall* (PFD); very common (J. Salt).
1894 Near Norton Lees Common (SNC).
Other records Grid Map No. 180.

(N) Rumex sanguineus L. Blood-veined Dock

Old records: 1888 (*R. nemorosus*) Scaithwood, Sheffield, *A. Carr* (LFWY).
Other records Grid Map No. 181.

(N) Rumex conglomeratus Murray Clustered Dock, Sharp Dock

Old record: 1903 Brook below Birchill Bank, Baslow; pond, Parkhall; near Barlborough; Beighton; near Beauchief Abbey; Renishaw Canal; Cutthorpe, Old Brampton; Harlethorpe, near Clowne (Linton).
Other records Grid Map No. 182.

URTICACEAE

(N) **Parietaria judaica** L. (*P. diffusa*) Pellitory-of-the-wall

Old records: 1888 Near Sheffield, *Ray, Cat.*, 326. 1668; Beauchief Abbey; Rotherham District, *L. Langley*, 1828 (LFWY).

1903 Chatsworth, *Gern of the Peak* (Linton).

1935 Lower Bradfield (Sorby Records).

Records since 1964: Near Rowland 2172; Wortley 2999; Cutthorpe 3473; Barlow 3474; Dore 3081; Yard, Lady's Bridge 3587; Oughtibridge 3093; Bracken Hill 3396; Newbiggin 3498; Rotherham 4090 and 4091; Kimberworth 4092 and 4093; Rotherham 4193 and 4195; Kimberworth Park 4194; Nether Haugh 4196; Rotherham 4292 and 4592.

(I) **Soleirolia soleirolii** (Req.) Dandy Mind-your-own-business, Mother-of-thousands (*Helxine soleirolii*)

Record: 1983 Abbeydale Road South 3382.

(N) **Urtica urens** L. Small Nettle

Old records: 1888 Rotherham District, *L. Langley*, 1828; by Rotherham Dam near Whiston, *A. Carr*; "I have not noticed it within several miles of Sheffield." *W. W. Newbould* (LFWY).

1889 Gathered near Walkley, Sheffield (*J. Salt*).

1889 Common about Chesterfield, *Waterfall* (PFD).

1903 Near Owlter Tor; about Renishaw, *Waterfall*; below Hathersage; Troway; Wilday Green, Barlow (Linton).

Records since 1972: Cowley 3377; Lydgate Lane 3287; Sheffield Canal 3888; Wharmcliffe 3195 and 3197; Staveley 4276; Clowne 4876; Killamarsh 4581; Nr. Ulley 4588; Woodall 4880; Oakwood Grange 4391; Chatham Hall, Doncaster Road 4392; Rawmarsh 4396 & 4496; East Herringthorpe 4592; Thrybergh 4796.

(N) **Urtica dioica** L. Common Nettle

Old records: 1884 Whiteley Wood (SNC).

1889 Common among rubbish (*J. Salt*); Common about Chesterfield, *Waterfall* (PFD).

1895 Common (SNC).

1911 Common (SNC).

Other records Grid Map No. 183.

CANNABACEAE

(N) **Humulus lupulus** L. Hop

Old records: 1888 Hedges between Brightside and Rotherham, *J. Salt*; Wall-side near Endcliffe Wood, Sheffield, *G. Harrison* (LFWY).

- 1889 In hedges between Brightside and Rotherham (J. Salt); about Renishaw; hedges about Chesterfield, *Waterfall* (PFD).
 1911 Near Brightside Paper Mill (SNC).
 Other records Grid Map No. 184.

(I) ***Cannabis sativa* L.**

Hemp

- Records: 1969 Stonegravels 3872.
 1987 Blackburn Meadows Sewage Works 4091.

ULMACEAE

(N) ***Ulmus glabra* Hudson**

Wych Elm

- Old record: 1884 (ssp. *montana*) Endcliffe Vale (SNC).
 Other records Grid Map No. 185.

***Ulmus x hollandica* Miller (*U. glabra* x *U. minor*)**

- Record: 1969 Barrow Hill 4175.

(N) ***Ulmus procera* Salisb.**

English Elm

- Old records: 1889 (*U. campestris*) Gathered near Sheffield; hedges, common (J. Salt).
 1911 (*U. campestris*) Common (SNC).
 Other records Grid Map No. 186.

***Ulmus plotii* Druce**

Plot's Elm

- Records: 1969 Cutthorpe 3474; Ford 4080.

MORACEAE

(I) ***Ficus carica* L.**

Fig

- Records: 1977 In Doncaster's Works 3489.
 1978 Banks of R. Don 4191, 4294 and 4393.
 1981 Broadfield Road 3484; Trippet Lane (now gone) 3587; Loxley 3090.
 1982 Sheffield Canal 4092.
 1985 By Hadfield's, Tinsley 3991; Jenkin Road area 3890.
 1986 Below Washford Bridge 3788.
 1987 Blackburn Meadows Sewage Works 4091, and 4092.

JUGLANDACEAE

(I) ***Juglans regia* L.**

Walnut

- Records since 1970: Warren Lodge 2574; Chatsworth 2670; Kettle House 2380; Hathersage 2382; Loxley 2791; Dore 3081; Ecclesall 3183 and 3284; Broomhill 3386; Renishaw 4378; Harthill 4980; Hooton Roberts 4897.

BETULACEAE

- (N) **Betula pendula** Roth (B. verrucosa) Silver Birch
Old records: 1837 "Birches" by the R. Don. Near Wharcliffe Lodge (Holland).
1889 (B. alba) Common in woods (J. Salt).
1895 Millhouses-common (SNC).
1910 Old Park Wood (SNC).
Other records Grid Map No. 187.
- (N) **Betula pubescens** Ehrh. Downy Birch
Old records: 1903 Brierley Wood, Unstone; east of Totley (Linton).
Other records Grid Map No. 188.
- (N) **Alnus glutinosa** (L.) Gaertner Alder
Old records: 1889 In watery situations, frequent (J. Salt).
1895 Totley and Darnall (SNC).
1910 Rivelin Valley (SNC).
Other records Grid Map No. 189.

CORYLACEAE

- (N) **Carpinus betulus** L. Hornbeam
Old records: 1894 Bannercross (SNC).
1895 Bannercross (NAT).
Other records Grid Map No. 190.
- (N) **Corylus avellana** L. Hazel, Cob-nut
Old records: 1837 By the River Don, near Wharcliffe Lodge (Holland).
1889 Woods and hedges, common (J. Salt).
1895 Common (SNC).
1896 Sheffield (NAT).
1911 Old Park and most woods and hedges (SNC).
Other records Grid Map No. 191.

FAGACEAE

- (N) **Fagus sylvatica** L. Beech
Old records: 1889 In a wood near Jordan Dam, Sheffield (J. Salt); about Chesterfield, *Waterfall* (PFD).
1903 About Renishaw, *Waterfall* (Linton).
1910 Derwent Valley (SNC).
Other records Grid Map No. 192.

Variations:

- 1969 (var. **purpurea**) Treeton 4386.
 1974 (var. **laciniata**) Bents Green 3284.
 1983 (var. **laciniata**) Hathersage 2280.
 1984 (var. **laciniata**) Southbourne Road 3386.
 1986 (var. **laciniata**) near Children's Hospital 3487.

(I) **Castanea sativa** Miller

Sweet Chestnut, Spanish Chestnut

- Old records: 1878 (*C. vulgaris*) Whamcliffe (YNU).
 1889 (*C. vulgaris*) Chatsworth Park, planted, *Baker J. B.* (PFD).
 1895 Ecclesall Wood (SNC).
 1903 Ashopton; Chatsworth Park, planted, *Baker, J. B.* (Linton).
 1910 Ecclesall Wood (SNC).
 Other records Grid Map No. 193.

(I) **Quercus cerris** L.

Turkey Oak

- Records since 1970: Upper Padley 2479; Cutthorpe 3473; Stubbing Wood 3977; Bannercross Hall 3284; General Cemetery 3485; Beeley Wood 3192; Thundercliffe Grange 3793; Scholes Coppice 3995; Morley Pond 3996; Barrow Hill 4276; Breck Farm 4376; Killamarsh 4580; Rawmarsh 4395.

(I) **Quercus x hispanica** Lam. (*Q. cerris* x *Q. suber*)

Lucombe Oak,
Spanish Oak

- Records: 1976 Cutthorpe 3473; Oakwood School, Rotherham 4391.
 1979 Doncaster Gate, Rotherham 4392.
 1980 Thundercliffe Grange 3893.

(I) **Quercus ilex** L.

Evergreen Oak, Holm Oak, Ilex

- Records: 1969 Barlow 3474; Renishaw Hall 4378; Barlborough Park 4778.

(N) **Quercus robur** L. (*Q. pedunculata*)

Pedunculate Oak

- Old records: 1888 "A but little later allusion to West Yorkshire Oaks is to be found, with many interesting particulars, in *Evelyn's Sylva*, in connection with Sheffield Park in which 'in 1646 above 100 trees worth £1000', and 'still **two** worth above £20', were growing. Cf. *Evelyn's Sylva. 4th (Hunter's) Ed. 1812, pp 206, 209 and 211, 212 (Vol. ii)* for full account of the Worksop Park Shire Oak, and others" (LFWY).
 1889 Common in woods and hedges (J. Salt); About Chesterfield, *Waterfall* (PFD).
 1895 Common, Whamcliffe (SNC).
 1896 Shirecliffe Hall, Sheffield (and its gardens; with a note on the dying condition of oaks (*Q. robur*) of about 400 or 500 years of age). *Gard. Chron. Oct. 10 1885, page 472* (NAT).
 Other records Grid Map No. 194.

(N) **Quercus petraea** (Mattuschka) Liebl.
(*Q. sessiliflora*)

Sessile Oak, Durmast Oak

Old records: 1837 "Oaks" by the R. Don near Wharnccliffe Lodge (Holland).
1910 Old Park Wood; Ecclesall Wood; Derwent Valley (SNC).
Other records Grid Map No. 195.

(I) **Quercus borealis** Michx. f. var. **maxima** (Marsh) Ashe (*Q. rubra*)

Red Oak

Records: 1973 Plantation near Deepcar 2998.
1980 Gillfield Wood, Totley (set) 3078.
1983 Broadhay Farm, Hathersage 2280.
1984 Baslow, planted 2573.
1985 Totley Brook 3178.
1988 Wharnccliffe Wood 3194.

SALICACEAE

(I) **Populus alba** L.

White Poplar, Abele

Old records: 1889 About Chesterfield, *Waterfall* (PFD).
1903 About Renishaw, *Waterfall* (Linton).

Records since 1969: Calver 2374; Froggatt 2476; Ewden Valley 2695, 2795, 2895, 2995;
Cordwell 3176; Coal Aston 3679; Millhouses 3382; Buck Wood 3784;
Hartley Brook Dike 3693; Brampton Common 4887; Shepherd's Plantation
4095; Rother Valley Country Park (planted) 4592.

Populus canescens (Aiton) Sm.

Grey Poplar

Records: 1969 Barlow Woodseats 3175.
1972 Tankersley 3499.
1973 Small wood, Coal Aston 3680.
1977 Woolley Wood 3892.
1978 Near Robin Hood Inn 3189; Myers Grove Lane 3189; Lees Hall Wood
3683.
1980 Beauchief 3381.
1981 Lightwood Lane 3781; Barlow Woodseats 3175.

(N) **Populus tremula** L.

Aspen

Old records: 1889 Near Sheffield (J. Salt); about Chesterfield, *Waterfall* (PFD).
1903 Shatton; near Eyam; about Renishaw, *Waterfall*; by the Derwent,
Hathersage; (var. *villosa*) Froggatt (Linton).
Records since 1970: Bretton Clough 2078; Froggatt 2476; Grindleford 2477; Near Deepcar 2998;
Freebitch 3072; Fox Lane 3076; Monkwood 3576; Twentywell Lane 3280;
Aukley Road 3484; Hazlehurst Farm 3781; Carter Hall Lane 3982; Trowells
Wood 3897; Tinsley Park 4088; Killamarsh 4780; Rotherham 4090 and
4193; Tinsley 4091; Wellgate 4392.

(N) *Populus nigra* L.

Black Poplar

Old records: 1899 Near Sheffield (J. Salt).
1903 Padley; The Moss, Mosborough (Linton).

(I) *Populus x canadensis* Moench var. *serotina* (Hartig) Rehder

Italian Poplar

Records: Totley Brook 3179; Mousehole Forge 3288; Graves Park 3482; R. Don 3788;
since 1966: Brimington 4171, 4172 and 4173; Brook School 4085; near Parkway 4086;
Shirtcliffe Brook 4285; Treeton 4386; Aston 4684; Letwood Plantation 4686;
Morthen 4689 & 4789; R. Don 4091; Don Canal 4092; Greasborough Dam,
Wentworth 4196; Oakwood Grange 4390; Rotherham 4592; Listerdale
4692; Thrybergh 4695.

(I) *Populus trichocarpa* Torrey and Gray

Western Balsam-poplar

Record: 1974 Sorby Plantation 2984.
1980 Thundercliffe Grange 3893.

(I) *Populus candicans* Aiton (P. x *gileadensis*)

Balsam, Poplar, Balm-of-Gilead

Old record: 1888 (P. *balsamifera*) Rivelin Valley, Sheffield, *Amos Carr* (LFWY).

Record: 1977 Woolley Wood 3892.

(N) *Salix pentandra* L.

Bay Willow

Old records: 1884 Ecclesfield (SNC).
1888 Riverside, Jordan Dam, *J. Salt*; Wharncliffe side, Kimberworth etc. *A. Carr* (LFWY).
1889 By side of the river near Jordan Dam (J. Salt).
1903 Barlborough Low Common, and by Pebley Brook; near Hassop
Station, and under Birchill Bank, Baslow (Linton).

Records: Birchill Bank 2271; Big Moor 2874 and 2875; Limb Valley 2983; near Stubley
since 1958: 3478; Carr Wood, Pebley 4974; Harthill Carr Wood 4975; Woodhouse Mill
4386.

(N) *Salix alba* L.

White Willow

Old records: 1888 (var. *vitellina* - Golden Osier) *Salt's Flora Sheffieldiensis*, 1800, near
waters common (LFWY).
1889 (S. *vitellina*) Near waters, common (J. Salt).
1903 (S. *alba* x *fragilis* = S. x *rubens*) Margin of Pebley Pond, near
Barlborough (Linton).
Records: 1966 Mousehole Forge 3288.
1969 Calver New Bridge 2475; (S. x *rubens*) Bradway 3280 and Barlow
Woodseats 3175.
1970 Chancet Wood 3482.
1978 Whiston Meadows 4489.
1980 Thrybergh, banks of R. Don 4594.
1985 Firsby Reservoir 4995.
1986 Bassingthorpe Spring 4194.

- (N) **Salix fragilis** L. agg. Crack Willow
 NOTE - There appear to be a number of variable willows by the River Don, and other streams, all of which have been grouped with *S. fragilis*.
 Records: Grid Map No. 196.
- (N) **Salix triandra** L. Almond Willow
 Old records: 1888 Don Banks above Sheffield, *J. Salt* (LFWY).
 1889 Banks of the river above Sheffield (*J. Salt*).
- (N) **Salix x mollissima** Hoffm. ex Elwert (*S. triandra* x *S. viminalis*)
 Record: 1974-79 Stonegravels, Chesterfield 3872.
- (N) **Salix purpurea** L. Purple Willow
 Old records: 1888 (Hybrid rubra) Near Brightside, Aldwarke, etc. *A. Carr* (LFWY).
 1903 Near Hemsworth, Norton, *Gibbs*; Harlesthorne, near Clowne (Linton).
 Record: 1966 Loxley Valley 2995.
 1977 Hooton Brook Osiers 4796.
 1978 Bessy Gill Fishpond 3997.
- (N) **Salix viminalis** L. Osier
 Old records: 1903 Near Hemsworth, Norton, *Gibbs*; between Hassop and Baslow (Linton).
 Records since 1970: Bowden Houstead Wood 3987; Middlewood 3291; Breck Farm 4276; Normanton Springs 4084; Brook School 4085; Treeton 4288, 4386; Thrybergh 4795; Hooton Brook Osiers 4796; Whiston Meadow 4489; R. Don 4091; Don Canal 4092; Bow Bridge 4292; Roundwood Staith 4595.
- (N) **Salix x sericans** Tausch ex. *A. Kerner* (*S. caprea* x *S. viminalis*)
 Records: 1969 Pratt Hall 3273; Engine Hollow 3474.
- (N) **Salix x smithiana** Willd. (*S. cinerea* x *S. viminalis*)
 Old records: 1878 Wharncliffe (NAT).
 1888 Near Oughtibridge, *A. Carr* (LFWY).
 1889 Near Chatsworth, *Scrimshaw C.D.* (PFD).
 1903 Woods near Beauchief Abbey; Mosbrough; near Chatsworth, *Scrimshaw, C.D.* (Linton).
 Records: 1969 Big Moor 27; Holme Brook 37; Barlow 3474.
- (N) **Salix caprea** L. Goat Willow, Great Sallow
 Old records: 1882 Rivelin Valley (SNC).
 1894 Loxley Valley (SNC).
 1903 Between Hassop and Baslow; Middleton Dale; Abney Clough; by Pebley Pond; woods near Beauchief Abbey; Brierly Wood, Unstone; Totley Moss (Linton).
 Other records Grid Map No. 197.

(N) *Salix cinerea* L.

Grey Willow, Common Sallow

Old records: 1882 Rivelin Valley (SNC).
1889 Moist woods and hedges (J. Salt).
Other records Grid Map No. 198.

(N) *Salix cinerea* ssp. *oleifolia* Macreight (S. *atrocinerea*)

Rusty Willow

Records Abney Clough 2079; Bucka Hill 2877; Leash Fen 2973; Oaking Clough 2587
since 1970: and 2687; Corker Walls 2590; Deepcar 2998; Totley Brook 3179; Beauchief
Abbey 3381; Breck Farm 4376; near Holmes 4092.

(N) *Salix aurita* L.

Eared Willow

Old records: 1882 Rivelin Valley (SNC).
1888 "Near Fulwood, plentiful", 1799, *Salt* (LFWY).
1889 Gathered near Sheffield, 1799; plentiful near Fulwood (J. Salt).
1903 Froggatt; Barbrook, near Baslow; Brierley Wood, Unstone; Totley
Moss (Linton).
1910 Rivelin Moorland, *E. Snelgrove*; "frequent by stream", Rivelin, *E.*
Snelgrove; Rivelin Valley (SNC).
Records Bretton Clough 2078; Abney Clough 2079; Chatsworth 2772; Bucka Hill
since 1969: 2877; Totley Moss 2878; Salter Sitch 2977; Broad Hay Farm 2288; Barlow
3472.

(N) *Salix repens* L.

Creeping Willow

Record: 1969 (ssp. *repens*) Middleton Dale 2075.
1974-79 Crowhole, near Barlow 3274.

ERICACEAE

(I) *Rhododendron ponticum* L.

Rhododendron

Records: Grid Map No. 199.

(N) *Andromeda polifolia* L.

Bog-rosemary, Marsh Andromeda

Records: 1969 White Path Moss 2583.

(I) *Pernettya mucronata* (L. fil.) Gaudich.

Prickly Heath

Records: 1969 Dore, escape 2980; Blackamoor, escape 2880; Nether Padley 2578.
1973 Blackamoor, escape 2981.

(N) *Arctostaphylos uva-ursi* (L.) Sprengel

Bearberry

Old records: 1884-5 (*Arbutus uva-ursi*) - Assumed to be referring to *Arctostaphylos uva-*
ursi. Sheffield (NAT).
1889 Gathered on the high moors, near the 7 mile stone, a little to the right of
the road leading to Grindleford Bridge, Derbyshire, July 1799 (J. Salt).

1903 Rocks over the Burbage, East Moor, *Glover*; Fox House, on the moors, *Watson's N. B. G.*; High moor, near the seventh milestone to the left of the road leading from Sheffield to Grindleford Bridge, *Hb. Salt*; The last two localities must be very near to each other (Linton).

(N) *Calluna vulgaris* (L.) Hull

Heather, Ling

Old records: 1889 Moors, common (J. Salt).

1894 (*C. erica*) Blackbrook, also on the moors (SNC).

1895 Totley Moss (SNC).

1903 (*C. erica*) Longstone Edge; (var. *incana*) Chatsworth (Linton).

1910 Rivelin Valley; Crookesmoor; Rivelin moorland, *E. Snelgrove*; "... a remnant of the old moor is still to be seen, nourishing a scanty flora of heather (*Calluna* and *E. tetralix*) ..." - south bank of Mis-Fortune Dam, *E. Snelgrove* (SNC).

1911 In most woods and moors (SNC).

Other records Grid Map No. 200.

(N) *Erica tetralix* L.

Cross-leaved Heath

Old records: 1884 Rivelin (SNC).

1889 Moors, common (J. Salt).

1894 Common on the moors (SNC).

1910 Rivelin moorland, *E. Snelgrove*; "... south bank (of MisFortune Dam) - a remnant of the old moor still to be seen, nourishing a scanty flora of heather (*Calluna* and *E. tetralix*)" *E. Snelgrove*; Rivelin Valley; Crookesmoor (SNC).

1911 Ringing Lowe (SNC).

Other records Grid Map No. 201.

(N) *Erica cinerea* L.

Bell Heather

Old records: 1888 Rotherham District, *L. Langley*, 1828; High moors, Sheffield, *J. Salt*, 1800; Endcliffe Wood, *W. W. Newbould*; Rivelin and Bradfield moors, *A. Carr* (LFWY).

1889 Banner Cross, Sheffield; common on high moors (J. Salt).

1889 On heaths about Chesterfield, *Waterfall* (PFD).

1894 Common on the moors (SNC).

1895 Common on the moors (NAT).

1903 Barlow Lees; Longstone Edge; Totley Moss; Ringinglow, *Painter, C. D. & Natt*; Abney Clough; Burbage Brook (Linton).

1910 Rivelin Moorland, *E. Snelgrove*; Rivelin Valley (SNC).

1911 In most woods and moors (SNC).

Other records Grid Map No. 202.

(N) *Vaccinium vitis-idaea* L.

Cowberry, Red Whortleberry

Old records: 1881 "Sheffield" (NAT).

1882 Rivelin Valley (SNC).

- 1888 Sheffield High Moors, *J. Salt*; Rivelin, Bradfield and Redmires Moors, *A. Carr* (LFWY).
 1889 On the high moors S.W. of Sheffield, very common (*J. Salt*).
 1894 Common on moors (SNC).
 1895 Common on the moors (NAT).
 1903 Near Fox House Inn; Froggatt; Ringing Low, *Painter, Natt.*; Tootley Moss; East Moor, *Bot. Guide* (Linton).
 1910 Rivelin moorland, *E. Snelgrove*; Derwent Valley (SNC).
 1911 Ringing Lowe (SNC).
 Other records Grid Map No. 203.

(N) **Vaccinium x intermedium** Ruthe. (*V. vitis-idaea* x *V. myrtillus*) Hybrid Bilberry

- Old records: 1941 Moor at Ringinglow, south of Sheffield, vide rep. *B. E. C.* 1928 (LFWY Supp.).
 1945 Whitwell Moor, Stocksbridge, *S. M. Walters* (NAT).
 1947 On right of road beyond Burbage Bridge, above Hathersage (*J. Brown*); Saltersitch, above Owler Bar (*J. Brown*); Gardom's Edge, Birchin Edge (*C. B. Waite*).
 1951 On drier ground near Agden Bog, amongst *V. myrtillus*, *V. vitis-idaea* and *Empetrum nigrum* - good colony; also on moorland above Agden Dyke (NAT).
 Other records: 1959 Houndkirk - still present 1981 2882.
 1964 Agden 2593.
 1966 Blackamoor 2880.
 1972 Blackamoor 2780.
 1973 Eyam Moor 2278; Big Moor 2676; Birchen Edge 2773; Tootley Moss 2779; near Fox House 2780; Ringinglow 2883.
 1975 Rivelin 2687 and 2986.
 1976 Holling Dale near Bradfield 2291; Loxley Common 3090.
 1977 Loxley Common 2991.
 1985 Blackbrook Wood 2986.

(N) **Vaccinium myrtillus** L. Bilberry, Blaeberry, Whortleberry, Huckleberry

- Old records: 1889 Gathered in Cooke Wood about one mile from Sheffield, 1798; on the high moors south west of Sheffield (*J. Salt*).
 1894 Black Brook, common; Tootley Moss (SNC).
 1903 Moors west of Dore, *Hb. Salt*; Eckington, *Gibbs*; east of Tootley; The Moss, Mosbrough (Linton).
 1910 Rivelin Moorland, *E. Snelgrove*; Cooke Wood, *J. Salt* - "now scarcely a trace of vegetation on the hill", *E. Snelgrove*; Crookes Moor (SNC).
 1911 Grimesthorpe Wood; Old Park; Endcliffe Wood; Sharrow Moor; Crookesmoor; Ringing Lowe (SNC).
 Other records Grid Map No. 204.

Vaccinium uliginosum L.

Bog Bilberry, Bog Whortleberry

Old record: 1889 Norton Hammer Nursery; and Mr. Fox's Nursery, 2 miles from Sheffield, '98 (J. Salt).

(N) **Vaccinium oxycoccus L.** (*Oxycoccus palustris*)

Cranberry

Old records: 1881 "Sheffield" (NAT).

1882 Rivelin Valley (SNC).

1888 Rotherham District, *L. Langley*, 1838; Sheffield high moors, *J. Salt*, 1800; Bell Hagg Moors, *A. Carr* (LFWY).

1889 On the high moors S.W. of Sheffield, very common (J. Salt).

1894 Bogs near Ringinglow (SNC).

1895 Bogs near Ringinglow (NAT).

1903 (*Schollera oxycoccus*) Stanage Edge; under White Edge, near Froggatt; bogs near Ringinglow, *The Naturalist*; Salter Sich, near the Peacock Inn (Linton).

1910 Rivelin moorland, *E. Snelgrove*; near Ringinglow, *E. Snelgrove* (SNC).

1911 Ringing Lowe (SNC).

Other records Grid Map No. 205.

PYROLACEAE

(N) **Pyrola minor L.**

Common Wintergreen

Old records: 1888 Thorncliffe, near Wortley, *H. Payne*; Rotherham District (LFWY).

(N) **Pyrola rotundifolia L.**

Round-leaved Wintergreen

Old records: 1889 Ladywash Mine, Eyam, *Gem of the Peak* (PFD).

1903 Ladywash Mine, Eyam, *Gem of the Peak* - very possibly this may be *P. minor*, which was frequently misnamed *rotundifolia* by early collectors (Linton).

1969 Note: Derbyshire Flora - "The two old records were almost certainly erroneous - no recent records".

MONOTROPACEAE

(N) **Monotropa hypopitys L.**

Yellow Bird's-nest

Record: 1978 Chapeltown 3597.

1981 Chapeltown 3597 two colonies.

EMPETRACEAE

(N) **Empetrum nigrum L.**

Crowberry

Old records: 1888 Wharncliffe 1838, *Jos. Woods M.S.* in *Towns O. B. G.*; Sheffield high moors, *J. Salt* (LFWY).

1889 Gathered on the high moors about 5 miles to the S.W. of Sheffield, plentiful (J. Salt).

- 1895 Common on the moors (NAT).
 1903 Hathersage; between Chatsworth and Sheffield, *Hb. Bicheno.*; Abney Clough; by Haywood, Grindleford; Froggatt; Totley Moss (Linton).
 1910 Rivelin moorlands, *E. Snelgrove* (SNC).
 1911 Ringing Lowe (SNC).
 Other records Grid Map No. 206.

PRIMULACEAE

(N) *Primula veris* L. Cowslip, Paigle

- Old records: 1889 Common in pastures (J. Salt).
 1911 Crookesmoor; Fulwood etc.; Hallam; Upperthorpe (SNC).
 Other records Grid Map No. 207.

Primula veri x vulgaris False Oxlip

- Records: 1969 Middleton Dale 2175; Coombs Dale 2274.
 1974 Pratt Hall, near Chesterfield 3272.
 1983 Calver 2375.
 1985 Calver 2474.

(N) *Primula elatior* (L.) Hill Oxlip, Paigle

- Old record: 1889 Pastures near Woodhouse, Sheffield (J. Salt).

(N) *Primula vulgaris* Hudson Primrose

- Old records: 1889 Common in woods and thickets (J. Salt).
 1911 Old Park, Hallam, etc. (SNC).
 1940 Field near Barlborough (J. Brown).
 Other records Grid Map No. 208.

(N) *Hottonia palustris* L. Water-violet

- Old records: 1888 Rotherham District, *L. Langley*, 1828; near Jordan Dam, Sheffield, *J. Salt*, 1800; ditch by Don near Parkgate Station, *A. Carr*; wet meadow below Aldwarke Hall, *Geo. Harrison* (LFWY).
 1889 Near Jordan Dam, Sheffield (J. Salt).
 1910 Rotherham (SNC) - possibly Parkgate Station.
 1911 Marsh at Aldwarke (NAT).
 Records: 1974 Norwood 4782.
 1978 Norwood 4781; Simon Wood Pond 3899.
 1985 Still present, Norwood.

(N) *Lysimachia nemorum* L. Yellow Pimpernel

- Old records: 1888 Rotherham District, *L. Langley*, 1828; Old Park Wood, Sheffield, 1798 *Hb. Salt*; by the river, Lower Bradfield, and Whamcliffe Wood, *A. Carr* (LFWY).

- 1889 About Chesterfield, *Waterfall* (PFD), gathered in Old Park Wood, Sheffield 1798; woods about Sheffield, frequent (J. Salt).
 1894 Black Brook and Ewden (SNC).
 1895 Ecclesall Wood. Between Norton and Heeley (NAT).
 1903 Upper Hurst Brook, Bamford; near Eyam; Abney Clough; Burbage Brook; Froggatt; Haywood, Grindleford; about Renishaw, *Waterfall*; between Norton and Heeley, the *Naturalist*; Brierly Wood, Unstone; Barlow Brook; woods north east of Coal Aston (Linton).
 1910 Sheffield - frequent in woods (SNC).
 1911 Grimesthorp Wood, Old Park, Norwood (SNC).
 Other records Grid Map No. 209.

(N) ***Lysimachia nummularia* L.** Creeping-Jenny

- Old records: 1888 Rother banks near Woodhouse, *G. Harrison, A. Carr*; Margin of Little London Dam, Sheffield, *W. W. Newbould* (LFWY).
 1889 The Hague, Renishaw, Chesterfield, *Waterfall* (PFD).
 1903 Pond, west side of Barlborough; near the Ball Inn, Renishaw, *Painter, Natt.* (Linton).
 1911 Grimesthorp Wood (SNC); marsh at Aldwarke (NAT).
 Records: 1964 Rivelin 2786.
 1965 Malin Bridge 3289.
 1966 Rivelin Round Dam 3087.
 1969 Stoke Ford 2170; Derwent, Hathersage/Grindleford 27 & 28; Calver, New Bridge 2475; Brincliffe Edge 3384.
 1970 Chancet Wood 3481.
 1971 Abbeydale Hall 3281.
 1972 Owlter Lee 3178.
 1974 Barlow 3474.
 1980 Damflask 2791.
 1982 The Roughts 3185.
 1985 Parkwood Springs 3489; Rainborough Park 3999 and 4099.
 1987 Bretton Clough 2078.

(N) ***Lysimachia vulgaris* L.** Yellow Loosestrife

- Old records: 1888 By river above Bowbridge, near Rotherham, *J. Salt*, (LFWY).
 1889 By riverside above Bowbridge, Rotherham (J. Salt).
 Records: 1969 Near Hathersage Bridge 2280; near Calver New Bridge 2475.
 1972 Totley Rise 3280.
 1973 Fox House road 2779.
 1974 Rivelin 2987 and 3187.
 1985 Rivelin 3188.
 1987 Parkwood Springs 3489; R. Don 3587 and 3588; near Wincobank 3790.

(I) **Lysimachia punctata** L. Dotted Loosestrife
 Records Leash Fen 2874, roadside Leash Fen 2974; Derwent Nether Hall 2281;
 since 1966: Crookes 2884; Damflask 2791; Wadshelf 3170; Totley 3179; Bradway 3379;
 Barlow 3474; The Roughs 3185; Rivelin 3187; New Dam 3188; Loxley Valley
 3189; Rivelin 3288; Athol Road 3484; Doncaster's Works 3489; River Don
 3587, 3588 and 3390; Richmond College 3686; Brimington 4172.

(N) **Lysimachia thyrsoflora** L. (Naumburgia thyrsoflora) Tufted Loosestrife
 Records: 1976 Old Mill Dam, Rowel Bridge 2989, still present 1987.
 1980 Mill Dam, Malin Bridge 3289.
 1984 Kelham Island 3588 - large stands in 1987.

NOTE: **Lysimachia tenella** - possibly an error for *Anagallis tenella*. Recorded in 1911
 for East Moor, and near Ringing Low (SNC).

(N) **Trientalis europaea** L. Chickweed Wintergreen
 Old records: 1882/4 Bogs at Whirlow Bridge (SNC).
 1889 Norton Hammer Nursery, near Sheffield (J. Salt).
 Records 1957 Ringinglow, near Sheffield (NAT).
 1969 Houndkirk Moor 2882.
 1981 Still present.

(N) **Anagallis tenella** (L.) L. Bog Pimpernel
 Old records: 1882 Rivelin Valley (SNC).
 1888 Cliff Rocher, J. Salt, 1800; Stanington, W. W. Newbould; Near Bell
 Hagg, A. Carr (LFWY).
 1889 Turfy bogs near Cliff Rocher, near Sheffield (J. Salt).
 1903 Bechagg Wood, Froggatt; Redcar Brook, above Dore; Umberley
 Brook, near Chatsworth, 250-300 yards (Linton).
 1910 Lower Wyming Brook, E. Snelgrove (SNC).
 1911 Reddick Clough; above Forge Dam (SNC).
 Records Umberley Brook 2870; Jarvis Clough 2186; Highshaw Clough 2187; Corker
 since 1964: Walls 2589; Ughill 2689; Houndkirk 2882; Agden Bog 2593; Dronfield 3677.

(N) **Anagallis arvensis** L. Scarlet Pimpernel, Shepherd's Weatherglass
 Old records: 1840 (A. caerulea) Near Rotherham (BF).
 1888 Rotherham District, L. Langley, 1828; Sheffield, A. Carr (LFWY).
 1889 Very common in cornfields (J. Salt); common about Chesterfield,
 Waterfall (PFD).
 1894 Norton Lees, Snelgrove (SNC).
 1911 Common in cornfields (SNC).
 Other records Grid Map No. 210.

(N) **Samolus valerandi** L. Brookweed
 Old records: 1888 Boggy places, Hollow Meadows, above Sheffield, A. Carr (LFWY).
 1910 Hollow Meadows, E. Snelgrove (SNC).

BUDDLEJACEAE

(I) *Buddleja davidii* Franchet

Butterfly Bush, *Buddleia*

Records Dronfield 3678; Nr. Chesterfield 3873; The Roughs 3185; Bannercross Hall
since 1966: 3284; Rivelin 3288; Broomhill 3386; Heeley 3483; Parkwood Springs 3489;
City centre 3587; Petre Street 3688 and 3689; Hill Top Tip 3992; Rawmarsh
Road 4293; Wellgate 4392; Broom 4491; Don Banks, Thrybergh 4594;
Kilnhurst 4697.

OLEACEAE

(N) *Fraxinus excelsior* L.

Ash

Old records: 1837 By the River Don, near Wharncliffe Lodge (Holland).
1889 Woods and hedges, common (J. Salt).
Other records Grid Map No. 211.

(I) *Syringa vulgaris* L.

Lilac

Records The Roughs 3185; Totley Wood 3281; Brook School Wood 4085; Orgreave
since 1973: 4286.

(N) *Ligustrum vulgare* L.

Wild Privet

Old records: 1888 Kiveton (LFWY).
1889 Near Aldwarke below Rotherham (J. Salt).
1903 Woods near Beauchief Abbey; Beighton; Pilsley, near Hassop (Linton).
Records Pilsley 2370; Whiteley Woods 2984; Cutthorpe 3573; Ecclesall Wood 3281;
since 1965: Rivelin 3288; Claywood 3686; Hartley Brook Dike 3693; Scholes 3994 and
3995; Bolsover 4771 and 4772; Clowne 4873 and 4874; Pebley Sand Quarry
4978; Tinsley Park 4088; Catcliffe 4188; Norwood 4681; Wales 4782;
Todwick 4985; Greasborough 4195; Higher Stubbin 4197; Wellgate 4392;
Hooton Roberts 4897; Hooton Cliff 4997.

(I) *Ligustrum ovalifolium* Hassk.

Garden Privet

Records Whiteley Woods 2984, 3283; The Roughs 3185; roadside Unstone 3777;
since 1969: Millhouses 3382; Brincliffe Edge 3384; Broomhill 3386; Aukley Road 3484;
Broomhill 3486; Parkwood Springs 3489; River Don 3291, 3390 and 3391;
Bracken Hill 3396; Brimington 4171/2 and 3; Shirebrook 4084; Tinsley Park
4088; Orgreave 4286; Treeton 4386 and 4388; R. Don 4091 and 4092;
Wingfield 4095; Parkgate 4394; Kilnhurst Station 4698; Denaby 4899.

APOCYNACEAE

Vinca minor L.

Lesser Periwinkle

Old records: 1888 Rotherham District, *L. Langley*, 1828; Cliff Rocher, and rail-banks near
Nunnery Coal-pits, Sheffield, *A. Carr* (LFWY).

Records since 1969: Sherriff Wood 2478; Leadmill Bridge 2380; Horsleygate 3076; Barlow Woodseats 3175; Horsleygate 3176 and 3177; Newbold 3573; High Storrs 3184; The Roughs 3185; Totley Wood 3281; R. Don 3291.

(I) Vinca major L.

Greater Periwinkle

Old record: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).

Record: 1982 The Roughs 3185.

GENTIANACEAE

(N) Centaurium pulchellum (Swartz) Druce (*Erythraea pulchella*)

Lesser Centaury

Record: 1981 Linacre (site now gone) 3372.

(N) Centaurium erythraea Rafn (*C. minus*, *Erythraea centaurium*) Common Centaury

Old records: 1888 (*E. centaurium*) Rotherham District, *L. Langley*, 1828; Rother Banks, *G. Harrison*; Ravenfield, Kiveton, *A. Carr* (LFWY).

1889 (*E. centaurium*) Pastures, common (*J. Salt*).

1895 (*E. centaurium*) Whirlow Bridge (NAT).

1903 Millthorpe, near Holmesfield; by Bar Brook, above Baslow, circa 800 ft; Bolsover; Whirlow Bridge, near Dore, *The Naturalist*; Wilday Green, near Barlow; Barlborough Low Common (Linton).

Other records Grid Map No. 212.

(N) Blackstonia perfoliata (L.) Hudson

Yellow-wort

Old records: 1888 (*Chlora perfoliata*) Rotherham District, *L. Langley*; near Sheffield, *D. Turner* in *O. B. G.* (LFWY).

1903 Near Clowne, *Waterfall* (Linton).

Records: 1964 and 1984 Pebley Sand Quarry 4978.

1969 Near Pebley Pond 4878; Bolsover 4770.

1985 Heeley 3484.

(N) Gentianella campestris (L.) Borner

Field Gentian

Old records: 1837 "Gentians" are seen Rivelin Valley (Holland).

1888 (*Gentiana campestris*) Road-side near Redmires, Sheffield, *A. Carr*; old quarries near Kiveton, *A. Carr* (LFWY).

1903 Eyam Moor (Linton).

1927 Sir William Hill (Sorby Records).

Other records: 1969 Dirty Rake, Longstone 2075; Sir William Hill 2178.

(N) Gentianella amarella (L.) Borner

Autumn Gentian, Felwort

Old records: 1888 (*Gentiana amarella*) Rotherham, *L. Langley*, 1828; Kiveton, *A. Carr* (LFWY).

1903 Near Fox House Inn, towards Dore; Eyam Moor; Hay Wood, Grindleford Bridge; Hassop mines; High Rake; Longstone; near Robin Hood's Inn, Baslow; Bolsover (Linton).

Records Hassop mines 2172; Sir William Road 2177; Longstone Edge 2273; Coombs since 1953: Dale 2274; Robin Hood, Baslow 2772; Totley Moss 2877; Greaves Piece 2977; Surprise 2580 and 2680; near Dore 2881; Owlter Bar 3077; Pebley Pond 4878; Pebley 4978.

MENYANTHACEAE

(N) **Menyanthes trifoliata** L.

Bogbean, Buckbean

Old records: 1888 Redmires, Sheffield, A. Carr (LFWY).
 1889 Whiteley Wood, above the works (J. Salt).
 1903 Barnford Moor; Ramsley Moor; by Bar Brook, Baslow (Linton).
 1940 Pond in Canyon Hills, Ewden, S. M. Walters (Sorby Records).
 1941 Ewden; Sphagnum patch, Emlin Clough, S. M. Walters (Sorby Records).

Records Big Moor 2577; under White Edge 2677; Windley stream - still present 1986 since 1941: 2678; Big Moor 2774; Upper Bar Brook 2777; Umberley Brook 2870 and 2871; Leash Fen 2874; Totley Moss 2878; Brampton East Moor 2970; Clod Hall 2972; Leash Fen 2973; Ramsley Moor 2975; Hurst Brook 2283; Redmires 2685; Canyon Hills 2594; Renishaw Lake 4478; Harlesthorne Pond 4976.

(N) **Nymphoides peltata** (S. G. Gmelin) O. Kuntze

Fringed Water-lily

Records: 1971 Renishaw Hall Lake 4478/9 - and in 1975.
 1981 Dronfield garden pond 3478.
 1985 Rivelin Valley Park 3289 (Introduced).

POLEMONIACEAE

(N) **Polemonium caeruleum** L.

Jacob's-ladder

Records: 1969 Oaks Wood, South Wingfield 3775; Linacre Wood 3272.
 1972 Wortley and R. Don 2998; Lees Hall Tip 3684; Treeton 4386.
 1978 Myers Grove Lane 3189; Dronfield Sewage Works 3677.
 1979 Above Hathersage 2283.
 1981 Langsett Road 3389.
 1982 The Roughts 3185.
 1984 Near Hassop 2170 (Known or presumed garden escapes).
 1986 Chapeltown Railway Station 3596; Thorncliffe Woods 3498.
 1988 Rotherham (well established garden escape) 4393.

BORAGINACEAE

(I) **Asperugo procumbens** L.

Madwort

Record: 1980 Thrybergh Reservoir 4754.

(N) **Symphytum officinale** L. Common Comfrey
 Old records: 1888 Rotherham District, *L. Langley*, 1828; near Brightside, *J. Salt*; Don-side below Aldwarke, *Geo. Harrison*; by stream near Grange Lane, *A. Carr* (LFWY).
 1889 About Brightside, Sheffield (*J. Salt*).
 1903 Barlow (Linton).
 1911 Brightside Paper Mill (SNC).
 Other records Grid Map No. 213.
 (Some of these records may be nearer *S. x uplandicum*).

(I) **Symphytum x uplandicum** Nyman (*S. officinale* x *S. asperum*) Russian Comfrey,
 Blue Comfrey
 Records since 1966: Calver New Bridge 2475; Froggatt 2476; Totley 3179; Overgreen 3273; Plonk Wheel 3087; The Roughs 3185; Rivelin 3187 and 3188; Star Cinema 3486; Droppingwell 3994; Ford 4081; Norwood 4682; Hard Field 4982; Silver Wood 4893.

(I) **Symphytum orientale** L. White Comfrey
 Record: 1973 Totley Wood 3281.

(N) **Symphytum tuberosum** L. Tuberous Comfrey
 Old Record: 1841 Banks of R. Don below Attercliffe (*Florigraphia Britannica* Vol. 1. p.227).
 Records: 1983 Far Lane 3275.
 1985 Broomhill 3386.

(I) **Borago officinalis** L. Borage
 Old record: 1889 About Chesterfield, *Waterfall* (PFD).
 Other records: 1983 Broadhay Farm, Hathersage 2280; Star Cinema 3486.

(I) **Trachystemon orientalis** (L.) D. Don Abraham-Isaac-Jacob
 Record: 1974-79 Norton Hall grounds 3582 (still present 1986).

Pentaglottis sempervirens (L.) L. H. Bailey Green Alkanet
 Records since 1972: Disused railway line 2170; Bubnell 2472; Spooner Lane 2476; Near Unthank 3076; Oxtan Rakes 3273; Millthorpe 3276 and 3277; Cutthorpe Hall 3473; near Dronfield 3577; Slayleigh 3086; Parkwood Springs 3489; Foxspring Wood 3495.

(N) **Anchusa arvensis** (L.) Bieb. (*Lycopsis arvensis*) Bugloss
 Records since 1974: Links Road 3079; Stonegravels Tip 3872; Wortley Banks 3197; Moorgate 4391; Whiston 4590; Ravenfield Road 4895.

(I) **Pulmonaria officinalis** L.

Lungwort

Records Near Hathersage 2181; Millthorpe 3176; Commonsides 3375; Norton 3682.
since 1969:

(N) **Myosotis scorpioides** L.

Water Forget-me-not

Old records: 1888 (*M. palustris*) Rotherham District, *L. Langley*, 1828; Sheffield, *J. Salt*; Oughtibridge, *G. Harrison*; Redmires and by the Rivelin, *A. Carr* (LFWY).
1889 (*M. palustris*) About Chesterfield, *Waterfall*; Canal banks, Renishaw (PFD).
1894 (*M. palustris*) Beauchief (SNC).
1895 (*M. palustris*) Beauchief (NAT).
Other records Grid Map No. 214.

(N) **Myosotis secunda** A. Murray

Creeping Forget-me-not, Water Forget-me-not

Old records: 1841 (*M. repens*) Banks of the R. Don above Sheffield (*Florigraphia Britannica*).
1878 (*M. repens*) Wharncliffe (NAT).
1888 (*M. repens*) Bogs near the Lower Dam, Redmires, *A. Carr* (LFWY).
1894 (*M. repens*) Bogs near Dore (SNC).
1895 (*M. repens*) Bogs near Dore (NAT).
1903 (*M. repens*) Hood Brook, Hathersage; Froggatt; pool, east of Killamarsh; Abney Clough; pond below Barlborough Low Common (Linton).

Other records Grid Map No. 215.

(N) **Myosotis laxa** Lehm. ssp. **caespitosa** (C. F. Schultz) Hylander

Tufted Forget-me-not, Water Forget-me-not

Old record: 1903 Beauchief Abbey (Linton).
Records Hassop area 2370; near Pilsey 2371; Baslow 2872; Redmires 2585; Corker
since 1969: Walls 2589; Barlow Brook 3474; Birley Hay 3980; Wentworth Park 3996 and 4196; Bessy Gill Pond 3997; Staveley 4376; Pebley Pond 4879; Blue Man's Bower 4389; Wales 4783; Aston 4784; Harthill Reservoir 4880; Brampton Common 4887; Brampton 4987; Parkgate Station 4495; Thybergh Reservoir 4796; Ravenfield 4896 and 4995.

(N) **Myosotis sylvatica** Hoffm.

Wood Forget-me-not

Old records: 1841 Moor Hall, near Sheffield (*Floragraphia Britannica*).
1884 Little Matlock (SNC).
1888 Rocks, Cliff Rocher, *A. Carr* (LFWY).
1894 Wharncliffe Wood (SNC).
1895 Wharncliffe Wood; Middleton Dale (NAT).
1903 Near Baslow, *Miss Armitage*; Middleton Dale, *The Naturalist* (Linton).
Other records Grid Map No. 216.

(N) **Myosotis arvensis** (L.) Hill Field Forget-me-not, Common Forget-me-not.
Old record: 1889 Sandy places, not uncommon (J. Salt).
Other records Grid Map No. 217.

(N) **Myosotis discolor** Pers. Changing Forget-me-not, Yellow-and-blue Forget-me-not
Old record: 1903 (*M. versicolor*) Burbage Brook, and above Padley Wood, by a small stream (Linton).
Records Hassop Park 2171; Agden 2492; Ecclesall Wood 3281; Beauchief 3381;
since 1974: Ridgeway 4081.

Myosotis ramosissima Rochel (*M. hispida*) Early Forget-me-not
Old record: 1882 Stoney Middleton (SNC).
Records Coombs Dale 2274; Peak Pasture 2374; Grindleford 2579; Birley Bottom
since 1969: 3173.

(N) **Lithospermum officinale** L. Common Gromwell
Old record: 1889 Cornfield near Sheffield (J. Salt).

(N) **Lithospermum arvense** L. Field Gromwell, Corn Gromwell, Bastard Alkanet
Old records: 1840 Sheffield (BF).
 1888 Between Sheffield and Rotherham, *J. Salt*; Rotherham District, *L. Langley*, 1828 (LFWY).
 1889 Cornfields between Sheffield and Rotherham (J. Salt).
 1947 Rubbish dump, Arbourthorne, Sheffield (John Brown) (now gone).

(N) **Echium vulgare** L. Viper's Bugloss
Old records: 1840 Sheffield (BF).
 1888 Rotherham District, *L. Langley*, 1828; Wadsley Forge, Sheffield, July 1800, *Herb. Salt* (LFWY).
 1889 Gathered at Wadsley Forge, near Sheffield, July 1800; sandy cornfields (J. Salt).
 1903 Clowne, *Drabble* (Linton).
Records Whamcliffe Tip 2996; Staveley 4374; Oxcroft 4674; Orgreave 4286;
since 1975: Aldwarke 4494; Thrybergh Bridge 4596; Thrybergh Tip 4696.

CONVOLVULACEAE

(N) **Convolvulus arvensis** L. Field Bindweed, Combine
Old records: 1888 Grimethorpe and Darnall, near Sheffield, *A. Carr*; Waleswood, *A. Carr*; Kiveton, *J. H. Aveling* (LFWY).
 1889 By roadsides and in cornfields, frequent (J. Salt).
 1911 Near Owlerton, lane at Brightside (SNC).
Other records Grid Map No. 218.

(N) **Calystegia sepium** (L.) R. Br. Bellbine, Larger Bindweed
Old records: 1888 (Convolvulus sepium) Rotherham District, *L. Langley*, 1828; Sheffield and Brightside, 1798 *Herb. Salt*; By the River Rother, *A. Carr*; Kiveton, *A. Carr* (LFWY).

1889 (*C. sepium*) Gathered in a hedge near Brightside, below Sheffield, July 1798 (*J. Salt*).

1911 Brightside, Brightside Paper Mill, Wincobank Bridge (SNC).

Other records Grid Map No. 219.

(I) **Calystegia sepium** ssp. **pulchra** (Brummit & Heywood) Tutin Hairy Bindweed

Records: 1969 Canal near Denaby 4899; Cowley Bar 3278; Totley 3080.

1975 Swinton, canal embankment 4699.

1985 Orgreave 4186.

(I) **Calystegia sepium** ssp. **silvatica** (Kit.) Maire Large Bindweed

Records Grid Map No. 220.

(N) **Cuscuta europaea** L. Greater Dodder

Old record: 1888 On nettles near the Don, by Mexborough (LFWY).

(N) **Cuscuta epithymum** (L.) L. Dodder

Old record: 1888 (*C. trifolii*) Field between Tinsley Park and Catcliff, *A. Carr* (LFWY).

SOLANACEAE

(I) **Lycium barbarum** L. (*L. halimifolium*) Duke of Argyll's Teapant

Records Baslow 2572; Crawshaw Head 2588; Near Dronfield 3677; Chesterfield since 1961: 3771; Spital 3871; Near Dronfield 3878; Brimington 3973; Whittington 3974; Kelvin 3488; Staveley 4474; Blue Man's Bower 4389; Brampton Common 4883; Kimberworth 4092.

(N) **Atropa belladonna** L. Deadly Nightshade, Dwale

Old record: 1884 Field in Endcliffe Vale (SNC).

Records: 1972 Lees Hall Wood tip 3684 (site gone).

1977 Woodhouse Mill/Orgreave 4386.

1985 Tip near Treeton Dyke 4386.

(N) **Hyocymus niger** L. Henbane

Old records: 1888 Rotherham District, *L. Langley*, 1828; Brightside, *J. Salt* (LFWY).

1889 Brightside, Sheffield (*J. Salt*).

1894 Abbeydale (SNC).

1911 On a rough bank at Brightside (SNC).

(N) *Solanum dulcamara* L.

Bittersweet, Woody Nightshade

- Old records: 1888 Sheffield, *J. Salt*, 1800; by the Loxley and Rivelin, *A. Carr*; Kiveton, *A. Carr* (LFWY).
1889 Hedges and sides of ditches, common (*J. Salt*); Common about Chesterfield, *Waterfall* (PFD).
1911 Common (SNC).
Other records Grid Map No. 221.

(N) *Solanum nigrum* L.

Black Nightshade

- Old records: 1888 Have only seen it in gardens about Sheffield, *J. Salt* (LFWY).
1889 Have only seen it in gardens about Sheffield (*J. Salt*).
Records Stannington 2887; Barlow tip 3574; near Whittington 3974; Ecclesall Road since 1969: 3686; Staveley 4174; Clifton 4392; Rawmarsh 4396.

(I) *Datura stramonium* L.

Thorn-apple

- Records: 1969 Stanley 4180.
1983 Ecclesall Road, Star Cinema 3486.

SCROPHULARIACEAE

(N) *Verbascum thapsus* L.

Great Mullein, Aaron's Rod

- Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
1903 Middleton Dale, *Pilkington* (Linton).
1911 Grimesthorpe Wood (SNC).
Other records Grid Map No. 222.

(I) *Verbascum phlomoides* L.

Orange Mullein

- Record: 1974-79 Renishaw 4478.

(N) *Verbascum pulverulentum* Vill.

Hoary Mullein

- Record: 1984 Sheffield Canal 3888 (casual).

(N) *Verbascum nigrum* L.

Dark Mullein

- Record: 1972 Nether Edge 3484.

(N) *Verbascum virgatum* Stokes

Twiggy Mullein

- Records: 1940 By the roadside near the Devil's Elbow 2881.
1972 Houndkirk Moor 2880.
1974 Piper House 2880.
1983 Grindleford Tip 2478.
1985 Sickley Bottom 3893.
(casuals).

(I) **Antirrhinum majus** L.

Snapdragon

Records: 1969 Staveley 4276.
1970 Near Botanical Gardens 3386.
1975 Handsworth 4087; Grimesthorpe 3789.
1982 Wellgate 4392.
1985 Parkwood Springs 3489; Sheepbridge 3774.
1988 Whiston 4489.

(N) **Misopates orontium** (L.) Rafin.

Lesser Snapdragon, Weasel-snout

Old record: 1888 (*Antirrhinum orontium*) Field near Manor Coal-pits, A. Carr (LFWY).

(I) **Linaria purpurea** (L.) Miller

Purple Toadflax

Records Ashgate 3671; Greystones 3185; Ranmoor 3185; Totley 3281; Broomhill
since 1969: 3387; Chancet Wood 3482; Star Cinema 3486; R. Don 3488; Parkwood
Springs 3489; Lees Hall 3684; Island, Norfolk Bridge 3688; Westwood 3398
and 3498; Tankersley Park 3598.

(N) **Linaria repens** (L.) Miller

Pale Toadflax

Records Bamford 2083; The Roughs 3185; Broomhill 3387; Parkwood Springs 3489;
since 1967: City Centre 3587; Wharcliffe Side 3192; Droppingwell 3994; Beighton
4385; Brampton 4887; Rawmarsh 4396; Bow Broom, Swinton 4699.

(N) **Linaria vulgaris** Miller

Common Toadflax, Yellow Toadflax

Old records: 1888 The highest station I know of is that by the R. Loxley at Bradfield where
Mr. A. Carr showed it to me (LFWY).
1889 Pastures and roadsides, common (J. Salt); common at Chesterfield,
Waterfall (PFD).
1894 Near Heeley (SNC).
1895 Common on railway banks (NAT).
1903 Bank of R. Rother, near Renishaw, *Waterfall*; Beighton to Eckington;
Clowne (Linton).
1911 (*Antirrhinum linaria*) Common (SNC).
Other records Grid Map No. 223.

(N) **Chaenorhinum minus** (L.) Lange (*Linaria minor*)

Small Toadflax

Old records: 1888 (*Linaria minor*) Rotherham District, L. Langley; New road by a newly-
made dam at Loxley, A. Carr; Whiston, Sheffield, Id.; rail-sides,
Kiveton, A. Carr (LFWY).
1889 Cornfields between Sheffield and Norton, 1801 (J. Salt).
1894 (*L. viscida*) Millhouses (SNC).
1894 (*L. viscida*) On railway at Millhouses (NAT).
1903 (*L. viscida*) Waste ground, Bamford Station; on railway at Millhouses,
The Naturalist; cornfields between Sheffield and Norton, *Herb. Salt*; on

ballast at Hartington Pits, near Staveley, *Waterfall*; railway between Chesterfield and Clowne, *Painter, Natt.*; Dronfield and Dore Stations, abundant; Clowne (Linton).

1910 Rotherham (SNC).

Records since 1969: Disused railway line 2170; Barlow 3675; Blue Bank Oxbows 3974; Carter Hall Farm 3981; Brimington 4074; Clowne 4873 and 4875; Beighton 4385.

(N) **Kickxia elatine** (L.) Dumort (Linaria elatine) Sharp-leaved Fluellen

Old records: 1854 Near Rotherham (BF).

1888 Rotherham District, *L. Langley*; fields near Ecclesfield, road from Wadsley Bridge, *A. Carr*; near Page Hall, Sheffield, 1799 *Herb. Salt*; fields about Kiveton (LFWY).

1889 Cornfields between Sheffield and Norton, 1801; Gathered in a field between Page Hall and Hills, near Sheffield, August 1799 (*J. Salt*).

1903 Seen only once or twice at The Hague, Renishaw, *Waterfall, C. D.* (Linton).

Other records: 1969 Linacre 37.

1973 Barley field, 3881; stubble field Carter Hall 3881 and 3981.

(I) **Cymbalaria muralis** P. Gaertner, B. Meyer & Scherb. Ivy-leaved Toadflax
(*Linaria cymbalaria*)

Old records: 1889 (*Linaria cymbalaria*) Walls at Hassop, Derbyshire, May 7 1801 (*J. Salt*).

1903 (*L. cymbalaria*) Hassop, *Hb. Salt*; near Hathersage, *Painter, Natt.*; Cutthorpe (Linton).

1938 Stoney Middleton (Sorby Records).

Other records Grid Map No. 224.

(N) **Scrophularia nodosa** L. Common Figwort

Old records: 1889 Woods, hedges and sides of rivers (*J. Salt*).

1894 Ecclesall Wood and Norton (SNC).

1942 Ford Valley (*J. Brown*).

1943 Cordwell Valley (*J. Brown*).

Other records Grid Map No. 225.

(N) **Scrophularia auriculata** L. (*S. aquatica*) Water Figwort, Water Betony

Old records: 1888 (*S. balbisii*) Don Banks above Sheffield, *A. Carr* (LFWY).

1889 (*S. balbisii*) Common about Chesterfield, *Waterfall*; Rother banks below Catcliffe, *H. F. Parsons* (PFD). Banks of rivers, common (*J. Salt*).

1895 Killamarsh (NAT).

1903 Common about Renishaw, *Waterfall*; Killamarsh, *The Naturalist* (Linton).

1911 On Don banks (SNC).

1942 Ford Valley (*J. Brown*).

Other records Grid Map No. 226.

(N) **Scrophularia scorodonia** L.

Balm-leaved Figwort

Old record: 1911 Wood Hill etc. (SNC).

(I) **Mimulus guttatus** DC.

Monkeyflower

Records: 1969 Cordwell 3077; Ford Valley 4080.

1974 Rivelin Brook 2587.

1975 Baslow 2572.

1985 Chatsworth 2570; Baslow 2672; Rivelin 2987; Tinsley 4092.

(I) **Mimulus luteus** L.

Blood-drop-emlets

Old records: 1903 Hood Brook, above Hathersage; by the Derwent below Hathersage (Linton).

Records: 1978 Upper Rivelin Valley 2587 and 2687.

1983 Broadhay Farm 2880.

(I) **Mimulus guttatus x luteus**

Records since 1963: Abney Clough 2079; Bretton Clough 2179; Grindleford 2478; near Fox House 2579; Leadmill Bridge 2380; Fox House 2680; Rivelin 2686; Oaking Clough 2687; Rivelin 2786; Broadhay Farm 2880; Fox Hagg 2886; Paper Mill Pond 2987; Damflask 2791; Brindwoodgate 3375; Round Dams 3087; Rivelin Bridge Mill 3288; island, Ball Street 3488; above Lady's Bridge 3587; Hard Field 4982.

(I) **Mimulus moschatus** Lindley

Musk

Old records: 1934 Longshaw, along rill between private chapel and the lake (NWN).

1935 Extending along a watercourse between the road and the lower of the Rivelin Dams (1935). This is about 5 miles west of Sheffield and at about 700 ft. elevation. The plants were scentless (NWN).

1946 Rivelin Valley. More abundant in the lower part of the valley but reaching near to the Yorks/Derbys. boundary in the upper Rivelin valley (J. Brown).

Records since 1964: Rivelin Brook 2587; Longshaw 2680; Rivelin 2686; Oaking Clough 2587 and 2687; Rivelin 2786; Fox Hagg 2886; Rivelin 2987; Loxley 2989; Rivelin 3087, 3187 and 3188; City Centre 3587.

(I) **Erinus alpinus** L.

Fairy Foxglove

Old record: 1934 Longshaw (NWN).

Record: 1969 Longshaw House 2679.

(N) **Digitalis purpurea** L.

Foxglove

Old records: 1889 Common about Sheffield (J. Salt).

1894 Holmesfield common (SNC).

1909 Peloria in Flowers - in a Foxglove. A regular flower produced on a plant normally irregular. Found in a Sheffield garden (NAT).

1911 Common (SNC).

Other records Grid Map No. 227.

(N) *Veronica beccabunga* L.

Brooklime

Old records: 1894 Blackbrook, Rivelin (SNC).

1911 In almost all small streams (SNC).

Other records Grid Map No. 228.

(N) *Veronica anagallis-aquatica* L.

Blue Water-speedwell

Old records: 1888 (*V. anagallis*) Rotherham District, *L. Langley*, 1828 (LFWY).

1903 Below Bubnell Cliff, Baslow (Linton).

Other records: 1969 Middleton Dale 2175.

1970 Thrybergh 4796.

(N) *Veronica catenata* Pennell

Pink Water-speedwell

Records: 1973 Lane to Fouldrings 2994; Tin Mill Dam 2998; Wortley 2999; Pebley Pond 4879.

(N) *Veronica scutellata* L.

Marsh Speedwell

Old records: 1888 Crookesmoor, *Herb. Salt*; Aldwarke Car, *G. Harrison, A. Carr* (LFWY).

1889 Gathered in a marsh on Crookesmoor, Sheffield (J. Salt).

1903 Umerley Brook, near Chatsworth (Linton).

1940 Harthill Pond, near Harthill (J. Brown).

Records since 1962: Big Moor 2674; Longshaw 2679; Bar Brook/Blake Brook 2774; Totley Moss 2778; Bar Brook 2874; Owl Bar 2877; Canyard Hills 2594; Lidgate 3077; Linacre Reservoir 3272; Harthill Reservoir 4880.

(N) *Veronica officinalis* L.

Heath Speedwell, Common Speedwell

Old records: 1841 Flesh-coloured flowers, moors c. 5 miles w. of Sheffield (*Florigraphia Britannica*).

1889 In woods and on heaths, frequent (J. Salt); about Chesterfield, *Waterfall* (PFD).

1894 Ewden (SNC).

1903 About Renishaw, *Waterfall*; Hood Brook, Hathersage; Chatsworth; Westthorpe; east of Totley; Linacre Wood, Brampton (Linton).

1911 Common (SNC).

1940 Roadside by Agden Reservoir, Bradfield, *S. M. Walters* (Sorby Records).

1942 Highlow Brook, near Hathersage (J. Brown).

Records since 1966: Abney Clough 2079; Highlow Brook 2179; Coombs Dale 2274; Grindleford 2579; Ladybower 2086; Millstone area 2480; Fox House 2680; Rivelin 2686; Fox Hagg 2886; Ewden Valley 2795, 2895 and 2995; near Totley 3078; Barlow Woodseats 3175; Cordwell Valley 3177; Dunstan Farm 3279; Limb Valley 3083; Coal Aston 3780; Wortley Bank 3196; Hall Wood 3296; Grenoside 3394; Whitley 3494; Near Burncross 3495.

- (N) **Veronica montana** L. Wood Speedwell
 Old records: 1888 Rotherham District, *L. Langley*, 1828; Old Park Wood, Sheffield, *J. Salt*; Endcliffe Wood, *W. W. Newbould* (LFWY).
 1889 Old Park Wood, Sheffield (*J. Salt*).
 1895 Near Heeley; Ecclesall Wood (NAT).
 1903 Wharmcliffe Woods (NAT); Cobnar Wood, Sheepbridge (Linton).
 1940 Wood near Barlborough (*J. Brown*).
 1941 Ford Valley (*J. Brown*).
 Other records Grid Map No. 229.
- (N) **Veronica chamaedrys** L. Germander Speedwell, Bird's-eye Speedwell
 Old records: 1837 "Speedwells" Rivelin Valley (Holland).
 1889 Common in pastures and sides of hedges (*J. Salt*).
 1894 Ecclesall Wood, Norton, Padley (SNC).
 Other records Grid Map No. 230.
- (N) **Veronica spicata** L. Spiked Speedwell
 Records: 1984 Hallowes Lane, Dronfield 3577 (garden escape).
 1985 Parkwood Springs wasteland 3489 (garden variety).
- (I) **Veronica longifolia** L. Spiked Speedwell
 Records: 1969 Tip near Owler Bar 3077.
 1981 Roadside Sir William Hill 2277.
- (N) **Veronica serpyllifolia** L. Thyme-leaved Speedwell
 Old records: 1889 Common in pastures (*J. Salt*).
 1894 Meersbrook Park (SNC).
 1911 In most lanes (SNC).
 Other records Grid Map No. 231.
- (N) **Veronica arvensis** L. Wall Speedwell
 Old records: 1889 Common on old walls and dry places (*J. Salt*).
 1894 Norton Lees (SNC).
 1942 Cordwell Valley (*J. Brown*).
 Other records Grid Map No. 232.
- (N) **Veronica hederifolia** L., sensu lato Ivy-leaved Speedwell
 Old records: 1889 In hedges and ploughed fields, frequent (*J. Salt*).
 1889 Common at Chesterfield, *Waterfall* (PFD).
 1894 Cultivated fields, Norton Lees (SNC).
 1895 Cultivated fields nr. Norton (NAT).
 1911 In gardens as a weed (SNC).
 Other records Grid Map No. 233.

(N) *Veronica hederifolia* L. ssp. *lucorum*

Lilac Ivy-leaved Speedwell

(Klett & Richter) Hartl. (*V. sublobata*)

Records: 1980 Cordwell Lane 3176.
1983 Old Brampton Churchyard 3371.

(N) *Veronica hederifolia* L. ssp. *hederifolia*

Record: 1984 Grounds, Henry Fanshaw School 3578.

(I) *Veronica persica* Poiret

Common Field-speedwell, Buxbaum's Speedwell

Old record: 1888 (*V. buxbaumii*) Near Ecclesfield and Woodhouse Junction, A. Carr;
near Thorncliffe, A. Carr (LFWY).

Other records Grid Map No. 234.

(N) *Veronica polita* Fries

Grey Field-speedwell

Old record: 1889 Common about Chesterfield, *Waterfall* (PFD).

Records Cutthorpe 3473; Coal Aston 3679; Bradway 3280; Ecclesall 3383; River Don
since 1969: 3489; Gleadless 3881.

(N) *Veronica agrestis* L.

Green Field-speedwell

Old records: 1889 Pastures and ploughed fields, common (J. Salt).

1894 Garden near Norton Lees (SNC).

Records Bar Brook 2874; Horsleygate 3076; Millthorpe 3176; Crowhole Reservoir
since 1970: 3274; Rod Moor 3279; Linacre/Old Brampton 3372; Highlightly Lane 3376;
Glasshouse Hill 3776; Sicklebrook Lane 3779; Garden 3281; City 3383;
Owler Carr Lane 3780; Carter Hall 3981; Frecheville 3984; Near
Mosborough 4282; Treeton 4386; Near Thurcroft 4989; Wentworth Park
4096.

(I) *Veronica filiformis* Sm.

Slender Speedwell

Records Broadhay Farm 2280; Brookside, near Chesterfield 37; Wadshelf 3170;
since 1972: Woodthorpe Hall 3178; Fulwood 3085; Ecclesall Wood 3182; Whirlow
Bridge 3187; Totley 3281; School Playing Fields 3286; Crookes Cemetery
3287; Tipton Hall 3387; Gleadless Valley 3683; Oughtibridge 3093.

(N) *Pedicularis palustris* L.

Marsh Lousewort

Old records: 1882 Rivelin Valley (SNC).

1889 Near Chesterfield, *Waterfall* (PFD).

1889 Gathered on Crookesmoor, Sheffield; wet parts of the High Moors. (J.
Salt).

Record: 1976 Corker Walls 2589.

(N) *Pedicularis sylvatica* L.

Lousewort

Old records: 1894 Dore Moor (SNC).

1895 Fields between Norton and Eckington; Dore Moor (NAT).

- 1889 Marshy grounds near Rivelin, Sheffield; wet parts of the high moors (J. Salt).
 1903 Shatton; near Hathersage; Froggatt; near Renishaw, *Waterfall*; fields between Norton and Eckington; Longstone Edge; Dore Moor, *The Naturalist* (Linton).
 1911 Ringing Lowe (SNC).
 1942 Bog near Hathersage (J. Brown).
 Other records Grid Map No. 235.

- (N) **Rhinanthus minor** L. (R. *crista-galli*) Yellow-rattle
 Old records: 1889 Common in meadows and pastures (J. Salt).
 1894 Norton (SNC).
 1903 (R. *Crista Galli* var. *stenophyllus*) Near the Peacock Inn, Owler Bar (Linton).
 1911 Common (SNC).
 Other records Grid Map No. 236.

- (N) **Melampyrum pratense** L. Common Cow-wheat
 Old records: 1888 Woods by the Loxley, Greenside and Wortley, A. Carr; Whamcliffe, Sheffield, *Herb. Salt* (LFWY).
 1889 Wood near Sheffield; common in woods (J. Salt).
 1894 Blackbrook, Rivelin (SNC).
 1903 Hood Brook, Hathersage; Upper Hurst Brook, Bamford; Eyam Moor; Froggatt; by the Derwent, below Mytham Bridge; Bar Brook, above Baslow; Redcar Brook, above Dore; Barlow Lees; The Moss, Mosborough; between Troway and Norton; east of Totley (Linton).
 1910 In Black Brook Wood and Bell Hagg (SNC).
 Other records Grid Map No. 237.

- (N) **Melampyrum sylvaticum** L. Small Cow-wheat, Wood Cow-wheat
 Old records: 1894 Black Brook, (SNC).
 1910 "in Blackbrook Wood and Bell Hagg", E. *Snelgrove* (SNC).
 1911 Grimesthorpe Wood, Endcliffe etc. (SNC).

- (N) **Euphrasia officinalis** L., *sensu lato* Eyebright
 Old records: 1889 Heaths and dry pastures (J. Salt).
 1894 Near Holmesfield (SNC).
 1903 Near the large pond, Chatsworth; Bar Brook, above Baslow; near Millthorpe; Barlborough; roadside near Ladybower Inn, Ashopton; Dirty Rake, near Longstone Edge; near the Peacock Inn, 1,100 ft. (Linton).
 1911 Ringing Lowe, Abbey Dale etc. (SNC).
 Other records Grid Map No. 238.

(N) **Odontites verna** (Bellardi) Dumort. Red Bartsia, Red Rattle

Old records: 1880 (Bartsia odontites) About Chesterfield, *Waterfall* (PFD).

1889 Pastures near Sheffield, pastures and cornfields, common (J. Salt).

1894 (B. odontites) Near Heeley (SNC).

1895 Near Heeley (NAT).

1903 About Renishaw, *Waterfall*; Froggatt; Shatton; Holmesfield, *Painter, Natt.*; Coal Aston; near Crowhole, Barlow; Bolsover; Dirty Rake, near Eyam (Linton).

1911 Abbey Dale etc. (SNC).

Records since 1965: Calver New Bridge 2474; Grindleford Tip 2478; Totley Moss 2778; Cordwell 3176; Near Totley Rise 3179; Rod Moor Road 3279; Sheepbridge 3774; Near Stubbing Wood 3976; Totley Rise and near Castle Inn 3280; Coal Aston and Jordanthorpe 3680; Meersbrook 3684; Oxcroft Colliery 4673; Barlborough 4776; Stanfree 4873; The Moss, Eckington 4080.

OROBANCHACEAE

(N) **Lathraea squamaria** L. Toothwort

Old records: 1839 Epilobium angustifolium with L. squamaria, localised Tinsley Park 1839. The place is near Sheffield. "An old Lees Herbarium" by F. Arnold Lees, *MRCR* (NAT).

1840 Woods near Rotherham (BF).

1888 Rotherham, H. Baines; Nether Green, Sheffield, 1801, at roots of Sycamore, *Herb. Salt* (LFWY).

1889 Gathered about the roots of Acer pseudoplatanus, at Nether Green, near Sheffield, April 1801 (J. Salt).

Records since 1969: Linacre 3372; Monk Wood 3576; Ecclesall Woods 3283; Path near Norton Church 3582; Parson's Wood, Eckington 3881; Carter Hall 3981; Ford 4081.

(N) **Orobanche rapum-genistae** Thuill. Greater Broomrape

Old records: 1888 (O. major) In Old Park, Sheffield, plentiful, J. Salt, 1800 (LFWY).

1889 In Old Park, Sheffield, plentiful; and Norton Hammer (J. Salt).

LENTIBULARIACEAE

(N) **Pinguicula vulgaris** L. Common Butterwort

Old records: 1888 Rotherham District, L. Langley 1828; Sheffield Moors, J. Salt (LFWY).

1889 On bogs on the high moors, S.W. of Sheffield (J. Salt).

1894 Moors near Dore (SNC).

1895 Moors near Dore (NAT).

1903 Moors near Dore, *The Naturalist*; Woodland at Froggatt, Linton; Burbage Brook; Umberley Brook near Chatsworth (Linton).

1911 East Moor. Near Ringing Lowe (SNC).

1942 Bog near Hathersage (J. Brown).

Records Offerton Moor 2080; Coombs Dale 2174; Cupola, Hathersage 2481; Corker
since 1951: Walls 2589; Burbage Bridge 2680; Fox House 2681; Agden Bog 2592/3.

VERBENACEAE

(N) ***Verbena officinalis*** L.

Vervain

Old records: 1888 Rotherham District, *L. Langley* 1828 (LFWY).

LABIATAE

(N) ***Mentha pulegium*** L.

Pennyroyal

Old records: 1888 Near Beighton, *J. Salt, Flora Sheffieldiensis* 1800 (LFWY).

1889 Near Beighton, about 8 miles from Sheffield (*J. Salt*).

1903 Near Beighton, about eight miles from Sheffield, *Hb. Salt*, 1800 (Linton).

c.1952 Thrybergh Reservoir (*J. Brown*).

Records: 1980 Sheepbridge Ponds 3575.

1981 Linacre Reservoir 3272.

(N) ***Mentha arvensis*** L.

Corn Mint

Old records: 1903 Longstone Moor; Hood Brook, Hathersage; near Owler Tor; Curbar; (var. *agrestis*) Ashopton; (var. *praecox*) near Chatsworth, near Barlow (Linton).

Other records Grid Map No. 239.

(I) ***Mentha x gentilis*** L. (*M. arvensis* x *M. spicata*)

Bushy Mint

Old records: 1894 Abbeydale (SNC).

1903 (*M. gentilis*) Between Bamford and Mytham Bridge; a little south of Fox House Inn, and by Burbage Brook, the latter plant approaching *M. rubra*; Abney Clough; Shatton (Linton).

Records: 1985 Rivelin 2989, 3187, 3188 and 3288; Abeydale 3281.

(N) ***Mentha x verticillata*** L. (*M. arvensis* x *M. aquatica*)

Whorled Mint

Old records: 1888 (*M. sativa*) near Kiveton, by canal, *A. Carr* (LFWY).

1903 (*M. sativa*) Hathersage and Hood Brook; Abney Clough; Froggatt; Grindleford Bridge; canal north of Chesterfield; by pool, one mile east of Killamarsh; by Pebley Pond (Linton).

Records Sorby Plantation 2984; Underbank 2499; Bradfield 2692; Damflask 2890;
since 1969: near Totley Rise 3178; Cowley Lane 3377; Chesterfield Canal 2974; Porter
 Clough 3084; Loxley 3089; Wentworth Mire 3998; near Whiston 4389;
 Thrybergh 4795 and 4796.

(I) **Mentha x smithiana** R. A. Graham (M. aquatica x arvensis x spicata) Tall Mint

Old records: 1870 Near Sheffield (Bot. Ex. Club Report).

1881 "Sheffield" (NAT).

1888 (M. rubra) Roadside near Ecclesfield, A. Carr; by the Rivelin; and in ditch by footpath from Seeman's nursery, to Ecclesfield road Id. (LFWY).

1953 (var. angustifolia) Rivelin Valley; upper part of Rivelin Valley; roadside at Sheephill near Houndkirk Moor, near Sheffield (NAT).

1956 Streamside, Ecclesall Woods (NAT).

Records since 1969: Above Baslow 2572; Baslow 2672; Near Clarion Hut 2981; Carr Bridge 2984; Near Freebitch 3073; Near Overgreen 3273; Barlow Lees 3476; Sheepbridge 3575; Rivelin Valley 3187.

(N) **Mentha aquatica** L.

Water Mint

Old record: 1889 (M. hirsuta) About Chesterfield, *Waterfall* (PFD).

Other records Grid Map No. 240.

(I) **Mentha x piperita** L. (M. aquatica x M. spicata)

Peppermint

Old records: 1888 Roadside between Wadsley Bridge and Ecclesfield, A. Carr; Wardsend Weir; Mark Lane; Ringinglow; near Greenside; and by stream in Storr valley near Rowell Bridge, all near Sheffield, Id. (LFWY).

1889 Park Foundry, Sheffield (J. Salt).

1903 Hood Brook, Hathersage; Bramley, near Hassop; Baslow; Westthorpe; between Greenhill and Bradway; Abney Clough (Linton).

Records since 1969: Abney Clough 2079; Stoke Ford 2179; Stoney Middleton 2275; Highlow Brook 2279; Bubnell 2472; Baslow 2473; Nether Padley 2578; Porter Clough 2984; Loxley 2989; Linacre Reservoir 3272 and 3372; Fulwood 3085; Rivelin 3187; Staveley 4374.

(I) **Mentha spicata** L. (M. longifolia)

Spear Mint, Horse Mint, Long-leaved Mint

Old records: 1888 (M. sylvestris) Banks of the river below Sheffield, J. Salt, *Flora*, 1800 (LFWY).

1889 (M. sylvestris) Bank of the river, ½ mile below Sheffield, 1798 (J. Salt).

Records since 1974: Middleton Dale 2175; Hassop 2272; Old Stoney Ridge Road 2780; Carr Bridge 2984; Agden 2692; Lidgate 3077; Pudding Pie Hill 3171; Barlow Lees 3476; City wasteland 3486; Parkwood Springs 3489; Staveley 4276; Handsworth 4087; Orgreave 4286; R. Don 4091.

Mentha x villosa Hudson (M. spicata x M. suaveolens)

Apple Mint

(Including M. niliaca auct., M. cordifolia auct. and M. alopecuroides Hull)

Records since 1972: Rowel Bridge 2989; Smallfield 2592; Deepcar 2897; Stonegravels Tip 3872; Porter Clough 3085; Loxley 3189; Lees Hall Tip 3684; Marsh Lane 4079; Bramley 4993.

- (N) ***Mentha suaveolens*** Ehrh. Round-leaved Mint, Apple Mint
(*M. rotundifolia* auct., non (L.) Hudson)
Records The Roughs 3185; Carr Forge Dam 4184; Canal, Holmes 4192.
since 1976:
- (N) ***Lycopus europaeus*** L. Gipsywort
Old records: 1888 Sheffield, frequent, *J. Salt*; Don Banks, Holmes, *G. Harrison* (LFWY).
1889 Banks of ponds and streams, frequent (*J. Salt*); about Chesterfield, *Waterfall* (PFD).
Other records Grid Map No. 241.
- (N) ***Origanum vulgare*** L. Marjoram
Old records: 1888 Rotherham District, *L. Langley*, 1828; Kiveton, *A. Carr* (LFWY).
1894 Middleton Dale (SNC).
1903 Stokemoor Wood, near Grindleford Bridge; Bolsover; Clowne (Linton).
1910 Rotherham (SNC).
Records Eyam 2176; Coombs Dale 2274 and 2374; Stoney Middleton 2275; Hassop
since 1967: 2373; Near Highlow Hall 2280; Rainborough Park 3999.
- (N) ***Thymus praecox*** Opiz ssp ***arcticus*** Wild Thyme
(Durand) *Jalas* (*T. drucei*)
Old record: 1910 Roadside, Sir William Hill (SNC).
Records Longstone Edge 2073; Abney Clough 2079; Middleton Dale 2175; Bretton
since 1969: Clough 2179; Hassop 2271; Coombs Dale 2274; Calver 2474 and 2475;
Lodgemoor 2885; The Roughs 3185.
- (N) ***Thymus serpyllum*** L. Breckland Thyme
Old records: 1889 Foxhill; Middleton Dale, Derbyshire (*Salt*); near Chesterfield, *Waterfall* (PFD).
1903 Baslow, *Painter, J. B.*; Eyam Moor; roadside near Bolsover; Middleton Dale, *Hb. Salt*; Longstone Edge; Clowne (Linton).
- (N) ***Calamintha sylvatica*** Bromf. (including *C. ascendens* Jordan) Common Calamint
Old record: 1888 (*C. menthaefolia*) Rotherham District, *L. Langley* (LFWY).
- (N) ***Acinos arvensis*** (Lam.) Dandy Basil Thyme
Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
1889 (*Calamintha acinos*) Middleton Dale, Derbyshire (*J. Salt*).
Records: 1969 Middleton Dale 2275.
1973 Middleton Dale 2175.

(N) **Clinopodium vulgare** L. (Calamintha vulgaris) Wild Basil

Old records: 1888 (Calamintha clinopodium) Hedges between Sheffield and Brightside, *J. Salt* (LFWY).

1889 Machon Bank, new roadside, Sheffield; and hedges between Sheffield and Brightside (*J. Salt*).

1894 Near Norton Lees (SNC).

1903 (C. clinopodium) Middleton Dale; Bolsover; Clowne (Linton).

1911 Near Owlerton (SNC).

1942 Coombs Dale (*J. Brown*).

Records since 1964: Coombs Dale 2275; East Moor 3070 and 3071; Pebley Pond 4878; Pebley Sand Quarry 4978; Norwood 4682.

(I) **Melissa officinalis** L. Balm

Records: 1969 Froggatt village 2476; Cartledge Lane 3277.

1973 Tinsley 3991.

(N) **Salvia pratensis** L. Meadow Clary

Old records: 1911 In a new plantation on the rough bank, Brightside (SNC).

(N) **Salvia verbenaca** L. (S. hominoides) Wild Clary

Old records: 1888 Brightside, *W. W. Newbould* (LFWY).

1889 Brightside, Sheffield (*J. Salt*).

(N) **Prunella vulgaris** L. Selfheal

Old records: 1884 Ecclesfield (SNC).

1889 Common in woods and pastures (*J. Salt*).

1894 Norton Lees, common (SNC).

1911 Common (SNC).

Other records Grid Map No. 242.

(N) **Stachys arvensis** (L.) L. Field Woundwort

Old records: 1889 Common in cornfields (*J. Salt*); about Chesterfield, *Waterfall* (PFD).

1943 Garden weed near Damall; a weed of agriculture about Troway, Eckington and Beighton (*J. Brown*).

Other records Grid Map No. 243.

(N) **Stachys palustris** L. Marsh Woundwort

Old records: 1889 Banks of the Don about Sheffield (*J. Salt*); about Chesterfield, *Waterfall* (PFD).

1894 Near Heeley (SNC).

1895 Near Heeley (NAT).

1910 Rivelin Glen, near stream (SNC).

1911 Owlerton; Neepsend; White House (SNC).

Other records Grid Map No. 244.

(N) **Stachys sylvatica** L.

Hedge Woundwort

Old records: 1889 Common in hedges and woods (J. Salt).
1894 Near Heeley, common (SNC).
1911 Common (SNC).
Other records Grid Map No. 245.

(N) **Stachys x ambigua** Sm. (*S. palustris* x *S. sylvatica*)

Old records: 1889 Baslow; Hassop, *Bailey* (PFD).
1903 Roadbanks, Baslow to Hassop, *Bailey, B. L. Rec. 1878, 11* (Linton).
1947 Rivelin Valley; Low Bradfield (J. Brown).
Records since 1969: Thornbridge Hall 2070; Calver 2475; Loxley Valley 2989; Rivelin Valley 2691; near Brightholmlee 2995; Cowley Bar 3278; Brierley Wood 3775; Totley 3281.

(N) **Stachys officinalis** (L.) Trev. (*Betonica officinalis*)

Betony

Old records: 1889 (*Betonica officinalis*) Woods about Sheffield, plentiful (J. Salt); about Chesterfield, *Waterfall* (PFD).
1895 (*S. betonica*) Sheffield District (NAT).
1911 Endcliffe Wood, Old Park etc. (SNC).
Other records Grid Map No. 246.

(N) **Ballota nigra** L.

Black Horehound

Old records: 1888 Brightside, *J. Salt*; hedge at Tinsley, *A. Carr* (LFWY).
1889 Brightside, Sheffield, between 12 O'clock and the mills by the river side (J. Salt).
1903 Staveley, *Drabble* (Linton).
1910 Rotherham (SNC).
Records since 1950: Bamford 2083; Hathersage 2280; Dronfield 3578; Brockwell 3771; Sheepbridge 3775; Blackwaters 3974; (ssp. *foetida* Hayek) Grasscroft 3976; Ecclesall Road 3486; Sload Lane 3980.

(N) **Lamium galeobdolon** (L.) Ehrend. & Polatschek (*Galeobdolon luteum*)

Yellow Archangel

Old records: 1878 (*Lamium galeobdolon*) Wharncliffe (NAT).
1882 Rivelin Valley (SNC).
1888 (*L. galeobdolon*) Common near Sheffield, *J. Salt*; Rivelin Valley, Parker Spring, *T. Birks*; Cliff Rocher, *A. Gatty*; Beeley Wood, Whiteley Wood, Greenside and Wincobank, *A. Carr* (LFWY).
1889 Woods and hedges about Chesterfield, *Waterfall* (PFD); Common in woods and moist hedges (J. Salt).
1894 (*L. galeobdolon*) Ecclesall Wood (SNC).
1895 Common in woods about Sheffield (NAT).

1903 (*L. galeobdolon*) Hood Brook, Hathersage; Clinker Wood, Renishaw, *Waterfall*; Grindleford, *Painter, J. B. & Natt*; Linacre Wood, Brampton; Millthorpe, near Holmesfield (Linton).

1910 (*L. galeobdolon*) Black Brook, *E. Snelgrove* (SNC).

1911 (*L. galeobdolon*) Grimesthorpe Wood, Wood Hill (SNC).

Other records Grid Map No. 247.

(N) *Lamium amplexicaule* L.

Henbit Dead-nettle

Old records: 1888 Rotherham District, *L. Langley*, 1828; roadside near Hillsborough, Sheffield, *A. Carr* (LFWY).

Records since 1969: Grindleford 2477; Brookside Nurseries/Brockwell Tip 3470; Highfields 3585; Rotherham 4393 and 4394.

***Lamium molucellifolium* Fries**

Intermediate Dead-nettle

Old record: 1894 Darnall (SNC).

(I) *Lamium hybridum* Vill.

Cut-leaved Dead-nettle

Records: 1969/74 Pocknedge 3470.

1987 Wentworth 4096.

1988 Aston Common 4885.

(N) *Lamium purpureum* L.

Red Dead-nettle

Old records: 1889 Among rubbish and in kitchen gardens, common (*J. Salt*).

1911 (*L. rubrum*) Common (SNC).

Other records Grid Map No. 248.

(N) *Lamium album* L.

White Dead-nettle

Old records: 1884 Ecclesall (SNC).

1888 About Sheffield Manor, plentiful, *J. Salt* (LFWY).

1889 About Sheffield Manor, plentiful (*J. Salt*).

1894 Rotherham (SNC).

1911 Top of Broad Lane; near Whirlow Hall (SNC).

1942 Cordwell Valley (*J. Brown*).

Other records Grid Map No. 249.

(I) *Lamium maculatum* L.

Spotted Dead-nettle

Old records: 1888 Opposite a farmhouse in Ecclesfield road from Wadsley Bridge, *A. Carr* (LFWY).

1889 Baslow, *Bailey* (PFD).

1903 Near Hazelford, Hathersage; Baslow, *Painter, J.B.* (Linton).

Records since 1970: Ashopton 2086; Redmires 2685; Rod Moor 2688; Fulwood 2985; Smeekey Wood 3076; Cordwell 3077; Totley 3179; Dobbin Lane 3376; Dronfield 3577; Brockwell 3771; Limb Valley 3082; The Roughs 3185; Rivelin 3187; Crookes 3287; Beauchief 3382; Chancet Wood 3482; River Don 3488;

Greno Wood 3394; Wentworth 3898; Elsecar 3899; Richmond 4085; Shirtcliffe Wood 4185; Upper Haugh 4297; Dalton 4694; Wickersley Wood 4891.

(I) **Leonurus cardiaca** L.

Motherwort

Old record: 1903 Spital, Chesterfield, *Drabble* (Linton).

Record: 1969 Barlow 3474.

(N) **Galeopsis angustifolia** Hoffm.

Red Hemp-nettle, Narrow-leaved Hemp-nettle

Old record: 1903 Bolsover (Linton).

Record: 1982 Field near Stubbing Wood 3976.

(I) **Galeopsis ladanum** L.

Broad-leaved Hemp-nettle

Old records: 1888 Between Sheffield and Ecclesfield, *J. Salt* (LFWY).

1889 Cornfields between Sheffield and Ecclesfield (J. Salt).

1903 Totley, *Painter, Natt.* (Linton).

Record: 1970 Cowley 3477.

(N) **Galeopsis segetum** Necker

Downy Hemp-nettle

Old records: 1914 "Transfer from *Sideritis arvensis*, *latifolia hirsuta flore luteo*. Broad leaved rough field Ironwort, with a large flower. About Sheffield" (NAT).

Galeopsis tetrahit L., sensu lato

Common Hemp-nettle

Old records: 1888 (var. *bifida*) A slender plant with paler leaves and small variegated corolla with a notched lower lip - "has been found near Sheffield", *W. Newbould* (LFWY).

1889 Gathered near Sheffield, common in cornfields (J. Salt).

1894 Norton Lees (SNC).

1911 Wood Hill, Norwood etc. (SNC).

Other records Grid Map No. 250.

(N) **Galeopsis speciosa** Miller

Large-flowered Hemp-nettle

Old records: 1888 Rotherham District, *L. Langley*, 1828; Sheffield, near the Manor, *J. Salt*, 1800; confirmed "near the Manor Coalpits, and near Handsworth Wood", *A. Carr*, 1877; Woodhouse, *G. Harrison* (LFWY).

1889 (*G. versicolor*) Cornfields near Sheffield Manor (J. Salt).

1903 (*G. versicolor*) near Renishaw, *Painter, Natt.* (Linton).

Records: 1967 Little Matlock 3089.

1969 Freebitch 3072, Near Beauchief Abbey 3381.

1971 Porter Clough 2984.

1973 Glen Howe 2994.

1977 Blue Man's Bower 4389.

1980 Porter Clough 2984; Rails Road 2987; Slayleigh to Tom Lane 3086.

1983 Calver 27; Coombs Dale 27.
 1984 Near Old Brampton 3371; Fitzalan Square 3587.
 1986 Paternoster Row 3586; Meadowbank 4092.
 1987 Clifton 4392.

(N) *Nepeta cataria* L.

Cat-mint

Records: 1969 Beighton 48.
 1985 Parkwood Springs 3489.

(N) *Glechoma hederacea* L.

Ground-ivy

Old record: 1911 Common (SNC).
 Other records Grid Map No. 251.

(N) *Marrubium vulgare* L.

White Horehound

Old records: 1888 Rotherham District, *L. Langley*, 1828; hedges near Parkgate, near Swinton; near Greenside; *A. Carr*; In lane from Grange station to Ecclesfield, *A. Carr* (LFWY).
 1889 Middleton Dale, *Pilkington's History* (PFD).
 1903 Middleton Dale, *Pilkington*, 1789 (Linton).

(N) *Scutellaria galericulata* L.

Skullcap

Old records: 1888 Near Jordan Dam, *J. Salt*, 1800; Don banks, Holmes, *G. Harrison*; Rivelin and Rother banks, *A. Carr* (LFWY).
 1889 Damside, Norton Hammer Nursery, Sheffield; moist hedges near Jordan Dam, Sheffield (*J. Salt*); near Chesterfield, *Waterfall* (PFD).
 1903 Under Birchen Edge, and by Bar Brook, Baslow; under White Edge, above Froggatt, over 300 yards; Birleyhay, Ford; Pebley Pond; banks of canal, *Renishaw, Waterfall* (Linton).
 1910 Rivelin Glen, near stream, *E. Snelgrove* (SNC).
 1921 On drying mud on ponds at Wentworth (NAT).
 Other records Grid Map No. 252.

(N) *Scutellaria minor* L.

Lesser Skullcap

Old records: 1881 "Sheffield" (NAT).
 1884 Walkley Bank (SNC).
 1888 Walkley Bank; By bottom dam at Redmires, *A. Carr*; Near Cliff Rocher, *J. Salt*, 1800 (LFWY).
 1889 Bogy grounds near Cliffe Rocher (*J. Salt*).
 1910 Rivelin Glen, near stream, *E. Snelgrove* (SNC).
 1944 Agden Bog (NWN and *J. Brown*).
 1964 Beside Rivelin, above dams (Sorby Records).
 Records: 1959 Big Moor 2877.
 1963 Smeekley 2976.

- 1969 Agden Bog 2592; Blackamoor 2980; Salter Sitch 2877; Greave's Piece 2977.
 1972 Salter Sitch 2877.
 1973 Agden Bog 2592.
 1974 Owler Bar 2877.
 1976 Agden Bog 2593.
 1977 Bucka Hill 2877.

(N) **Teucrium scorodonia** L.

Wood Sage

- Old records: 1889 In woods and thickets, frequent (J. Salt).
 1894 Norton Lees (SNC).
 1903 Hood Brook, Hathersage; Shatton; Froggatt; Burbage Brook; banks behind Eckington Mill, *Waterfall*: Sheepbridge; woods near Coal Aston (Linton).
 1911 Spital Hill, Sharrow Moor etc. (SNC).
 1942 Roadside above Grindleford (J. Brown).
 1967 Beauchief Wood; Yarncliffe Quarry; Coombs Dale; (T. C. Hutchinson, New Phyt.).

Other records Grid Map No. 253.

(N) **Ajuga reptans** L.

Bugle

- Old records: 1889 Common in pastures and moist meadows (J. Salt); Common about Chesterfield, *Waterfall* (PFD).
 1894 Ecclesall Wood, *Snelgrove* (SNC).
 1895 Padley (SNC).
 1911 Common (SNC).
 1941 Ford Valley (J. Brown).
 Other records Grid Map No. 254.

PLANTAGINACEAE

(N) **Plantago major** L.

Greater Plantain, Rat's-tail Plantain

- Old records: 1894 Norton Lees (SNC).
 1903 (var. *intermedia*) Higgar Tor, Hathersage; Chatsworth (Linton).
 1911 Common (SNC).
 Other records Grid Map No. 255.

(N) **Plantago media** L.

Hoary Plantain

- Old records: 1888 Roadside from Sheffield to Ecclesfield, A. Carr (LFWY).
 1889 About Chesterfield, *Waterfall* (PFD).
 1894 Ringinglow (SNC).
 1895 Roadside near Ringinglow; roadside near Fox House; Middleton Dale (NAT).

1903 Longstone Edge; about Renishaw, *Waterfall*; Clowne, *Waterfall*; Bolsover; near Fox House, *The Naturalist*; between Hassop and Baslow; Pudding Pie Hill, Old Brampton (Linton).

1910 Derwent Valley (SNC).

1911 Ringing Lowe (SNC).

Other records Grid Map No. 256.

(N) *Plantago lanceolata* L.

Ribwort Plantain

Old records: 1888 Obs. A curious 'monstrosity' of this - a plant with many heads on a single stalk, was found by A. Carr by a footpath from Ecclesfield to Wadsley Bridge, Sheffield (LFWY).

1889 Meadows and pastures, common (J. Salt).

1894 Norton Lees (SNC).

1911 Common (SNC).

Other records Grid Map No. 257.

(N) *Plantago coronopus* L.

Buck's-horn Plantain

Old record: 1888 Brightside, *J. Salt* and *Herb. Salt* (LFWY).

1889 Brightside, Sheffield (J. Salt).

(I) *Plantago arenaria* Waldst. & Kit. (*P. indica*)

Branched Plantain

Record: 1984 Allotments, Havelock Square 3486.

(N) *Littorella uniflora* (L.) Ascherson

Shoreweed

Old record: 1903 Pools in Chatsworth Park, *Linton*; by Pebley Pond, Barlborough (Linton).

1940 Ewden Fishpond; Canyard Hills (Sorby Records).

Records: 1969 Chatsworth 2670.

1970 Underbank 2499; Thrybergh 4795 and 4796.

1973 Linacre 3272.

1975 Crowhole 3174.

1976 Rivelin Dam 2687 and 2787.

1978 Crowhole 3274.

1980 Rivelin Dams 2786; Damflask 2791; Morehall 2895.

1983 Linacre 3272.

1985 Damflask 2890; Wharnccliffe 3097.

CAMPANULACEAE

(N) *Wahlenbergia hederacea* (L.) Reichenb.

Ivy-leaved Bellflower

Old records: 1888 I have also found it in the North, as about Sheffield. *Ray Cat. i 52, Ed. ii 49; Hist., 741 (1688)*. "In watery places about S."; *Ray in Gibs. Cam. (1695)* etc. Still rather plentiful in three or four shaded cloughs on the moors west of Penistone, about Ewden Brook, Abbey Brook, Bradshaw Clough and Dunford Bridge (LFWY).

- 1889 (*Campanula hederacea*) Crookesmoor, Sheffield (J. Salt).
 1903 Jarvis Clough, near Ashopton, 360 yards (Linton).
 1910 (*C. hederacea*) Misfortune Dam, Crookes Valley. "disappeared as far as is known", *E. Snelgrove*; Ewden, *E. Snelgrove* (SNC).
 1914 (*C. cymbalaria Foliis*) Tender Ivy-leaved Bell-flower, about Sheffield (NAT).
 1944 Has been found in recent years on Bamford Moor R.G.A. V.C. 57 (J. Brown).
 1965 Bamford (D. Piggott).
 Record: 1974 Bamford 2085.

(N) ***Campanula latifolia* L.**

Giant Bellflower

- Old records: 1840 Banks of river at Cankley Mill, near Sheffield (BF).
 1888 Rotherham District, *L. Langley*, 1828; near Treeton. and Rotherham bank, *J. Salt*, rep. *A. Carr* (LFWY).
 1889 Baslow, *Bailey*; woods and hedges, abundant near Chesterfield, *Waterfall* (PFD); gathered in a thicket on the banks of the Rother, near Cankley Mill, about 5 miles from Sheffield, July 1799 (J. Salt).
 1894 Holmesfield; near Heeley (SNC).
 1895 Between Norton and Eckington; Holmesfield; near Heeley (NAT).
 1903 Holmesfield, *The Naturalist*; woods and hedges near Renishaw, abundant, *Waterfall*; Eyam; Bamford; Hood Brook, Hathersage; Froggatt; between Hassop and Baslow; between Norton and Eckington; Barlborough and Barlborough Low Common; Mosborough; Bolsover; Clowne (Linton).
 1910 Ecclesall Wood (SNC).
 Records: 1962 Near Clowne 4976.
 1968 Hathersage 2281.
 1969 Pebley Pond 4880.
 1973 Calver 2475.
 1974 Holmesfield 3177.
 1975 Froggatt 2577; Stoney Middleton 2275.
 1977 Hooton Roberts 4997.
 1978 Rolleston Wood 3783.
 1979 Wortley Forge 2999.
 1981 Bradfield 2590.
 1982 The Roughs 3185.
 1985 Rod Moor 2688; Gillfield Wood 3178.

(N) ***Campanula trachelium* L.**

Nettle-leaved Bellflower, Bats-in-the-Belfry

- Old record: 1888 By the tram-road from Manor Coal-pits, Sheffield, *A. Carr* spn. An adventive here, clearly (LFWY).
 Records: 1969 Coombs Dale 2274; Calver 2374.
 1974 Jarvis Clough 2186.

- (I) **Campanula rapunculoides** L. Creeping Bellflower
 Records: 1969 Brincliffe Edge 3384.
 1980 Fields, Eweford Bridge 3176 and 3177.
- (N) **Campanula glomerata** L. Clustered Bellflower
 Old record: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
- (N) **Campanula rotundifolia** L. Harebell
 Old records: 1889 Common in dry soil about Sheffield (J. Salt).
 1894 Black Brook; near Holmesfield (SNC).
 1911 Common (SNC).
 Other records Grid Map No. 258.
- (N) **Campanula patula** L. Spreading Bellflower
 Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
 1889 Given to Mr. Salt by Mrs. Williams of Norton, near Sheffield, 1799 (J. Salt).
- (I) **Campanula rapunculus** L. Rampion Bellflower
 Old record: 1889 Garden specimen, July 1805 (J. Salt).
- (N) **Legousia hybrida** (L.) Delarbre (*Specularia hybrida*) Venus's-looking-glass
 Old record: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
- (N) **Jasione montana** L. Sheep's-bit
 Old records: 1888 Near Sheffield Park, *J. Salt*; Eccleshall, *W. W. Newbould*; between Heeley and Manor Coal-pit, *A. Carr* (LFWY).
 1889 Little Matlock, nr. Sheffield; and near Sheffield Park in dry situations (J. Salt).
 1894 Bradfield (SNC).
 1895 Bradfield (NAT).
 1903 Ashopton (Linton).
 1910 Bradfield, *E. Snelgrove* (SNC).
 1911 Crookes Moor, Fullwood etc. (SNC).
 1940 Bradfield (Sorby Records).
 1941 Roadside, near Ladybower, Ashopton (J. Brown).
 1951 West of Low Bradfield (NAT).
 Records: 1964 Annett Bridge 2591.
 1965 Ladybower 2086.
 1969 Stoney Middleton 2375.
 1972 Fulwood 2984.
 1975 Thrybergh Bridge 4596.
 1981 Thrybergh Tip 4696.
 1985 Calver 2475.

RUBIACEAE

(N) ***Sherardia arvensis* L.**

Field Madder

- Old records: 1889 Common about Chesterfield, *Waterfall* (PFD).
 1894 Millhouses (SNC).
 1895 Millhouses (NAT).
 1903 Norton, Painter; about Renishaw, *Waterfall*; Millhouses, *The Naturalist* (Linton).
- Records since 1969: Middleton Dale 2173; Hassop 2271 and 2273; Millthorpe 3175; Mickley 3179; Cordwell 3277; Stanington 3189; Beauchief 3381; Listerdale 4691.

(N) ***Galium odoratum* (L.) Scop. (*Asperula odorata*)**

Woodruff

- Old records: 1888 Old Park Wood, *Herb. Salt*; Eccleshall; Cliff Rocher etc., A. Carr (LFWY).
 1889 Endcliffe Wood; Old Park, and in most woods about Sheffield (J. Salt); common about Chesterfield, *Waterfall* (PFD).
 1894 Ecclesall Wood (SNC).
 1895 Ecclesall Wood (NAT).
 1903 Upper Hurst Brook, Bamford; Hood Brook, Hathersage; Froggatt; Parkhall Woods, Renishaw, *Waterfall*; Unthank; north-east of Coal Aston; near Totley (Linton).
- Other records Grid Map No. 259.

(N) ***Galium cruciata* (L.) Scop. (*Cruciata laevipes*)**

Crosswort, Mugwort

- Old records: 1889 Common in marshy places (J. Salt); common throughout the county (PFD).
 1894 Norton Lees (SNC).
 1911 (*Valantia cruciata*) Common (SNC).
- Other records Grid Map No. 260.

(N) ***Galium mollugo* group**

Hedge Bedstraw

(including ***G. mollugo* L., *G. album* Miller**).

- Old records: 1884 (*G. erectum*) Fulwood Church Yard - new to West Riding (SNC).
 1888 (*G. erectum*) Churchyard at Fulwood, A. Carr spn. The plant is rightly named but I fear some introduction with grass seed (LFWY).
 1894 Kiveton Park Station (SNC).
 1903 About Barlborough Low Common; seen at Bolsover; Clowne (Linton).
- Records since 1965: Coombs Dale 2274; Calver Sough 2375; Shatton 2082; Piper Hill 3477; Twentywell Lane 3280; Parkway 3986; Rainborough Park 3999; Marsh Lane 4079; Spinkhill 4578; Oxcroft 4673 and 4774; Pebley Pond 4878; near Bolsover 4972; Pebley Sand Quarry 4978; near Bedgreave Viaduct 4582; Clough 4193; Chesterfield Canal 4982.

(N) *Galium verum* L.

Lady's Bedstraw, Yellow Bedstraw

Old records: 1889 Between Sharrow Moor, and Banner Cross, Sheffield; roadsides and rough places, frequent (J. Salt).

1894 Middleton Dale; Hemsworth (SNC).

1903 Longstone Edge; Abney; near Stoney Middleton; Eyam Moor; Spinkhill, Eckington; Bolsover; Clowne (Linton).

1911 Crookes Moor (SNC).

Other records Grid Map No. 261.

(N) *Galium saxatile* L. (*G. hircynicum*)

Heath Bedstraw

Old records: 1888 Crook's Moor, Salt (LFWY).

1903 Middleton Dale, *Pilkington*; Hood Brook, Hathersage; near Hathersage; Abney Clough; near Beauchief Abbey; Cutthorpe, Old Brampton; woods N.E. of Coal Aston (Linton).

1911 Crookes Moor (SNC).

Other records Grid Map No. 262.

(N) *Galium sternerii* Ehrend.

Limestone Bedstraw, Sterner's Bedstraw

Records Longstone Edge 2073; Middleton Dale 2175; Coombs Dale 2274.
since 1967:

(N) *Galium pumilum* Murray (*G. sylvestre* auct.)

Slender Bedstraw

Old records: 1884 (*G. pusillum*) Fulwood Churchyard (SNC).

1889 (*G. pusillum*) Middleton Dale (J. Salt).

1903 (*G. sylvestre*) Eyam, *Drabble*; Longstone Edge; Middleton Dale (Linton).

1911 Crookes Moor (SNC).

(N) *Galium palustre* group

Common Marsh Bedstraw

Old records: 1889 Common in marshy ground (J. Salt); common about Chesterfield, *Waterfall* (PFD).

1903 (var. *elongatum*) Harlesthorne, near Clowne; (var. *Witheringii*) Brierley Wood, Unstone (Linton).

Other records Grid Map No. 263.

(N) *Galium uliginosum* L.

Fen Bedstraw

Old records: 1888 In moist grounds, frequent, *J. Salt*. Did he know the true plant? (LFWY).

1889 In moist grounds, frequent (J. Salt).

1903 Hood Brook, Hathersage; Mosborough; Totley Moss, 400 yards; Blake Brook, above Baslow; Umberley Brook, near Chatsworth (Linton).

Other records Grid Map No. 264.

***Galium tricornutum* Dandy**

Corn Cleavers, Rough Corn Bedstraw

Old record: 1903 (*G. tricornu*) Cornfield about a mile north of Bolsover (Linton).

(N) **Galium aparine** L.

Cleavers, Goosegrass, Hairif, Sticky Willie

Old records: 1889 Common in hedges (J. Salt).

1911 Common (SNC).

Other records Grid Map No. 265.

CAPRIFOLIACEAE

(I) **Sambucus ebulus** L.

Dwarf Elder, Danewort

Old records: 1888 River-bank one mile below Sheffield, *J. Salt* (LFWY).

1889 Banks of the river 1 mile below Sheffield (J. Salt).

1903 By Bar Brook, near Far End, Baslow; Middleton Dale, abundant (Linton).

1942 Stoney Middleton (J. Brown).

Records since 1969: Stoney Middleton 2275; Intake 3984; Kilnhurst 4697; roadside 4797; Hooton Roberts 4897.

(N) **Sambucus nigra** L.

Elder, Bourtree

Old records: 1889 Woods and hedges, frequent (J. Salt).

1894 Common (SNC).

1911 Common (SNC).

Other records Grid Map No. 266.

Note: Green-berried variety *forma viridis* -

1977 Lee Bridge, Barlow 3475.

1982 Wyming Brook 2786.

Yellow-berried variety - *forma fructuluteo*

1969-74 A yellow-fruited form in an old field, Dronfield, and at Old Brampton, 3578 and 3472.

Post 1969 Between Barlow and Barlow Lees 3475.

(N) **Viburnum lantana** L.

Wayfaring-tree, Mealy Guelder Rose

Old record: 1888 Wharncliffe, *Geo. Harrison Hb.* (LFWY).

Records since 1969: Grindleford Station 2578; Dronfield to Norton roadside 3479; Chancet Wood 3482. (Known/assumed planted).

(N) **Viburnum opulus** L.

Guelder-rose

Old records: 1888 First record: *Salt*, 1800 (LFWY).

1889 Bottom of Old Park, Sheffield (J. Salt).

1889 Chesterfield, *Waterfall* (PFD).

1894 Hemsworth; Ecclesall Wood (SNC).

1903 Between Hassop and Baslow; Shatton; Froggatt; Ashopton; Clinker Wood, Renishaw, *Waterfall*; The Moss, Mosborough; Loscoe Woods near Coal Aston; Nr. Mytham Bridge; Barlborough; Bolsover; Clowne; Hemsworth, *The Naturalist* (Linton).

Other records Grid Map No. 267.

(I) **Symphoricarpos rivularis** Suksdorf

Snowberry

Records: Grid Map No. 268.

(N) **Lonicera xylosteum** L.

Fly Honeysuckle

Old record: Pre-1960 Hathersage, with Snowberry near George Hotel R.G.A. (Sorby Records).

Records: Shrubbery, Hathersage 2381; In 1969, hedgerow, Hassop 2271.

(N) **Lonicera periclymenum** L.

Honeysuckle

Old records: 1837 "Honeysuckle, Rivelin" (Holland).

1889 Common (J. Salt).

1911 Common (SNC).

Other records Grid Map No. 269.

(I) **Lonicera caprifolium** L.

Perfoliate Honeysuckle

Old records: 1854 Near Rotherham (BF).

1888 Rotherham District, *L. Langley*, 1828 (LFWY).

ADOXACEAE

(N) **Adoxa moschatellina** L.

Moschatel, Townhall Clock

Old records: 1888 Rotherham District, *L. Langley*, 1828; Grimethorpe, Fulwood, Sheffield, *J. Salt*, 1800; Wharmcliffe Wood, *A. Carr*; Old Park Wood *Id.*; Endcliffe Wood, *W. W. Neubould*; Wales, *A. Carr* (LFWY).

1889 About Chesterfield, *Waterfall* (PFD); In a shady lane between Sheffield and Grimethorpe (*J. Salt*).

1894 Harvey Clough (SNC).

1895 Frequent in the district (NAT).

1903 Tootley; Hathersage, *Painter, Natt.*; Hague Lane, and near the canal, Renishaw, *Waterfall* (Linton).

1910 Frequent Sheffield District (SNC); "frequent", *E. Snelgrove* (SNC).

1940 Laneside Baslow to Hassop; Ford Valley (*J. Brown*).

Records since 1969: Hassop 2272; Coombs Dale 2274 and 2374; Calver 2475; Hathersage 2280; Sorby Plantation 2984; Hagg Wood, Ewden 2995; Cordwell 3076 and 3176; Highlightly Lane 3276; Woodnook 3472; Piper Wood 3476; Linacre 3572; Wire Mill Dam 3085; Ecclesall Wood 3181; Ryecroft Glen 3281; Parkbank Wood 3381; Barlborough Hall 4778; Eckington 4180; Hail Mary Wood 4486.

VALERIANACEAE

(N) **Valerianella locusta** (L.) Betcke

Common Cornsalad, Lamb's Lettuce

Old records: 1888 (*V. olitoria*) Rotherham District, *L. Langley*, 1828; Kiveton, *A. Carr* (LFWY).

1889 (*V. olitoria*) Common about Chesterfield, *Waterfall* (PFD).

1903 (*V. olitoria*) Killamarsh; Tapton, *Drabble*; about Renishaw, *Waterfall* (Linton).

Records since 1967: Coombs Dale 2274; Middleton Dale 2175 and 2275.

(N) **Valerianella carinata** Loisel. Keeled-fruited Cornsalad
Old record: 1944 On limestone rocks in Coombs Dale, *John Brown* (NWN).

(N) **Valerianella dentata** (L.) Pollich Narrow-fruited Cornsalad, Lamb's Lettuce
Old records: 1888 Rotherham District, *L. Langley*, 1828; Tinsley, *Geo. Harrison Hb.*; Kiveton, *A. Carr* (LFWY).
1903 Between Upper and Nether Hurst, Bamford; Killamarsh; Barlow Lees; Tapton, *Drabble*; fields near Linacre House (Linton).
Record: 1975 Oxcroft Colliery 4673.

(N) **Valeriana officinalis** L. Common Valerian
Old records: 1882 Rivelin Valley (SNC).
1889 Common (J. Salt); common about Chesterfield, *Waterfall* (PFD).
1894 Black Brook; Millhouses (SNC).
1895 Millhouses and Beauchief (NAT).
1903 (*V. Mikanii*) Hood Brook, Hathersage; Abney Clough; Froggatt; about Renishaw, *Waterfall*; Millhouses; Beauchief, *The Naturalist*; Mosbrough; Ashopton; (*V. sambucifolia*) by Bar Brook and Blake Brook, above Baslow; Horsley Gate (Linton).
1911 Neepsend and Brightside Paper Mill; Endcliffe Wood (SNC).
1940 Stoney Middleton Dale (J. Brown).
Other records Grid Map No. 270.

(N) **Valeriana dioica** L. Marsh Valerian
Old records: 1888 Rotherham District, *L. Langley*, 1828; Fulwood, *J. Salt* (LFWY).
1889 Moist meadows, near Fulwood, Sheffield (J. Salt).
1903 Abney Clough; Froggatt; Umberley Brook, near Chatsworth; Harlethorpe, near Clowne (Linton).
Records since 1966: Froggatt Edge 2577; Big Moor 2674; White Edge 2677; Totley Moss 2778; Umberley Brook 2970; Hathersage 2380; Corker Walls 2589; Rivelin 2687; Totley Rise 3178; The Roughs 3185; Treeton Dyke 4386.

(I) **Centranthus ruber** (L.) DC. Red Valerian
Old records: 1889 Garden specimen (J. Salt).
Records since 1969: Tip, Deepcar 2998; Sheepbridge 3774; Riverdale Road 3285; Brincliffe Edge 3384; Norfolk Bridge 3688; Effingham Road 3788; Sheffield canal 3888; Tankersley 3499; Poolsbrook 4373; Clowne 4875.

DIPSACACEAE

(N) *Dipsacus fullonum* L.

Teasel

Old records: 1888 (*D. fullonum* - a relic of cultivation) Rotherham District, *L. Langley*, 1828 (LFWY).

1889 (*D. sylvestris*) Common about Chesterfield, *Waterfall* (PFD).

1894 (*D. sylvestris* ssp. *fullonum*) Garden near Firth Park (SNC).

1903 (*D. sylvestris*) Bank of river Doe Leigh, Renishaw, *Waterfall* (Linton).

Other records Grid Map No. 271.

(N) *Dipsacus pilosus* L.

Small Teasel, Shepherd's Rod

Record: 1978 Coombs Dale 2274 and 2374.

(N) *Knautia arvensis* (L.) Coulter

Field Scabious

Old records: 1894 (*Scabiosa arvensis*) Nr. Holmesfield and Norton (SNC).

1911 Common (SNC).

Other records Grid Map No. 272.

(N) *Scabiosa columbaria* L.

Small Scabious

Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY); Stoney Middleton (SNC).

1889 Middleton Dale, Derbyshire (J. Salt).

1903 Burbage Brook; Middleton Dale, *Hb. Salt* (Linton).

Records since 1968: Coombs Dale 2274; Middleton Dale 2275.

(N) *Succisa pratensis* Moench

Devil's-bit Scabious

Old records: 1888 (*Scabiosa succisa*) Frequent. Very common, *J. Salt*; Redmires etc., *A. Carr*; Kiveton, *A. Carr* (LFWY).

1889 (*S. succisa*) Very common (J. Salt). Common about Chesterfield, *Waterfall* (PFD).

1894 (*S. succisa*) Near Holmesfield (SNC).

1903 (*S. succisa*) Woods N.E. of Coal Aston, Unstone; Barlborough Low Common; Hood Brook, Hathersage; Curbar; about Renishaw, *Waterfall*; Norton, *Painter, Natt.*; Linacre Wood; Abney; Froggatt (Linton).

1911 (*S. succisa*) Endcliffe Wood, Norwood, Old Park, Bamforth, Grimesthorpe (SNC).

Other records Grid Map No. 273.

COMPOSITAE

(N) *Bidens cernua* L.

Nodding Bur-marigold

Old records: 1888 Ditches by the river Rother near the dam, *A. Carr* (LFWY).

1889 Between Wadsley Forge and Wardsend, near Sheffield (J. Salt).

1903 Renishaw Canal (Linton).

1910 Rotherham (SNC).

Records since 1969: Staveley 4375; Treeton 4386; Thrybergh 4695.

(N) **Bidens tripartita** L.

Trifid Bur-marigold

Old records: 1888 Rotherham, *L. Langley*, 1828; between Wadsley Forge and Wardsend, *J. Salt*, 1800; by the Wardsend dam, *A. Carr* 1876 (LFWY).

1889 Between Wadsley Forge and Wardsend, near Sheffield (*J. Salt*); Renishaw Canal, *Waterfall* (PFD).

1903 Renishaw Canal, *Waterfall*, *C.D.*; Large Pool, east of Killamarsh (Linton).

1911 Hallam; Brightside etc.; Heeley Tilt (SNC).

1943 Canal side, Renishaw-Staveley (*J. Brown*).

Other records Grid Map No. 274.

(I) **Guizotia abyssinica** (L. f.) Cass

Record: 1974-79 Hady Tip, Chesterfield 3970.

(I) **Galinsoga parviflora** Cav.

Gallant Soldier

Old records: 1946 Woodhouse Mill, garden weed, *John Brown* (NAT).

1947 Garden weed, Woodhouse Mill (*John Brown*).

Records: 1969 Chesterfield 3771 and 3772.

1975 Woodhouse Mill 4386.

1984 Brecks 4691.

1987 Nr. Granville Road 3586.

(I) **Galinsoga ciliata** (Rafin.) S. F. Blake

Shaggy Soldier, Hairy Gallant Soldier

Records: 1973 Abbeydale Road 3484.

1975 Grimesthorpe 3789; garden near Glen Road 3484.

1974-79 Garden weed, Chesterfield 37.

1981 Stannington 2887.

1982 Fulwood 3085.

1984 Moor Oaks Road 3387.

(N) **Senecio jacobaea** L.

Common Ragwort

Old records: 1889 Common by roadsides (*J. Salt*).

Other records Grid Map No. 275.

(N) **Senecio aquaticus** Hill

Marsh Ragwort

Old records: 1889 Little London Damside, Sheffield; marshy places, common (*J. Salt*).

Other records Grid Map No. 276.

(N) *Senecio erucifolius* L.

Hoary Ragwort

- Old records: 1888 Sheffield, *J. Salt*; Ecclesfield to Greenside, *A. Carr* (LFWY).
1889 (*S. tenuifolius*) New road to Totley, near Sheffield. Plentiful in hedges and pastures (*J. Salt*).
1894 Totley to Holmesfield; near Holmesfield (SNC).
1903 Between Hassop and Baslow; Great Longstone; near Totley, on the Sheffield Road, *Hb. Salt*; bank of Haythorne, between Eckington and Staveley, *Waterfall*; Barlborough; Belmont, Old Brampton; Bolsover (Linton).

Other records Grid Map No. 277.

(I) *Senecio squalidus* L.

Oxford Ragwort

- Old records: 1937 Railway siding, Denaby crossing, *A. A. Dallman*; L.M.S. line between Swinton and Sheffield, 19th July 1937, *A. A. Dallman* (NWN).
1939 Harthill Ponds, near Todwick; Rother Valley, Canklow, Rotherham, Ulley Reservoir - abundant 1936 and 1937; Canal path and waste ground between Tinsley and Rotherham; By-pass between Rotherham and Blackburn; Ickles; Holmes; now seen on tipped earth of new housing estate at Hartley Brook, Ecclesfield; plentiful in one spot at Sheepbridge Ironworks on rail sidings; roadside near Beighton, July 1939, *P. Biggin* (NWN).
1941 In great profusion on the overgrown tips of Sheepbridge Iron Works. An impressive display of bloom 5th October, *P. Biggin* (NWN).
1942 Very abundant around Templeborough and Rotherham, *J. Brown* (Sorby Records).
1943 High Moor above Killamarsh, *J. Brown* (Sorby Records); On bombed areas of Sheffield, *Prof. Pearsall* (NAT).
1948 Wincobank Hill, Grimethorpe, *C.B.W.* (Sorby Records).

Other records Grid Map No. 278.

(I) *Senecio x londinensis* Lousley (*S. squalidus* x *S. viscosus*)

- Old records: 1947 Several plants on railway bank between Woodhouse Mill and Beighton, *J. Brown* (NAT).

1951 Waste ground, Sheffield, *J. Brown* (NAT).

(N) *Senecio sylvaticus* L.

Heath Groundsel, Wood Groundsel

- Old records: 1888 Sheffield, *J. Salt* (LFWY).
1889 Mr. Sheldon's wood by the well, new roadside, near Sheffield (*J. Salt*); Common about Chesterfield, *Waterfall* (PFD).
1895 Loxley (SNC).
1903 About Renishaw, scarce, *Waterfall*; Dronfield; Bamford station; Mosbrough; Brierly Wood, Unston (Linton).
1940 Staveley (*J. Brown*).
1941 Woodall Ponds, near Harthill (*J. Brown*).

Other records Grid Map No. 279.

Senecio viscosus L.

Sticky Groundsel, Stinking Groundsel

Old records: 1903 Colliery debris near Dronfield (Linton).

1941 Over-running a neglected garden on a Sheffield housing estate. Also flourishing in the Blackburn Valley by the side of the new road from Meadow Hall to Ecclesfield. Near Coal Aston, Derbyshire, in fine flower 5th October, *Percy Biggin* (NWN).

Other records Grid Map No. 280.

(N) Senecio vulgaris L.

Groundsel

Old records: 1889 Common in cultivated ground (J. Salt).

1894 Common (SNC).

1911 Common (SNC).

Other records Grid Map No. 281.

(N) Senecio vulgaris L. var. hibernicus Syme (S. vulgaris var. radiatus).Note: Excursion Flora states "Variants with ray-florets may derive from crosses with *S. squalidus*"

Old record: 1940 Quarry near Pebley Pond (J. Brown).

Records since 1969: Near Rowland 2172; Curbar 2474; Froggatt 2476; Baslow 2572; Wortley and R. Don 2998 and 2999; Barlow 3474; Barnard Avenue 3679; Summerley 3778; Chesterfield 3871; Beauchief 3381; City area 3586 and 3587; Lees Hall Tip 3684; Tankersley 3499.

(I) Senecio fluviatilis Wallr.

Broad-leaved Ragwort

Old record: 1889 (*S. sarracenicus*) Chatsworth; also between Chesterfield and Sheffield, *N.B.G.* (PFD).

Record: 1969 Moscar Lodge 2387.

Senecio palustris (L.) Hooker

Marsh Fleawort

Old record: 1911 (*Cineraria palustris*) Abbey Dale (SNC).**(N) Senecio integrifolius (L.) Clairv.**

Field Fleawort

Old record: 1894 (*S. campestris*) Hemsworth (SNC).**(I) Doronicum pardalianches L.**

Leopard's-bane

Old records: 1888 Quarry at Aldwarke, *G. Harrison* (LFWY).

1910 By stream in Rivelin Glen, 1908 (SNC).

Records since 1965: Hathersage 2181; Bubnell 2472; Calver New Bridge 2475; R. Derwent near Grindleford 2478 and 2479; Near Rivelin Post Office 2987; Rivelin 3087.

(N) Tussilago farfara L.

Colt's-foot

Old records: 1889 Gathered near Sheffield 1799; common in pastures and moist places (J. Salt).

1894 Norton; Heeley (SNC).

1911 *Plentifull* (SNC).

Other records Grid Map No. 282.

(N) *Petasites hybridus* (L.) P. Gaertner, B. Meyer & Scherb.

Butterbur

Old records: 1884 (*P. vulgaris*) Whiteley Wood (SNC).

1889 (*P. vulgaris*) Banks of the Don, between the Corn Mill and the Wadsley Forge, April 1803, and Smithey Wood bottom, near Sheffield (J. Salt).

1895 (*P. vulgaris*) Near Hillsborough and Hemsworth (SNC).

1911 (*Tussilago petasites*) Brightside Paper Mill, Owlerton etc. (SNC).

Other records Grid Map No. 283.

(I) *Petasites albus* (L.) Gaertner

White Butterbur

Records: 1974 Wortley Hall, woods and nearby pond 3199.

1983 Bracken Hill, in Low Spring Wood 3396.

(I) *Petasites fragrans* (Vill.) C. Presl

Winter Heliotrope

Records Calver 2473; Cliff College Grounds 2474; Grindleford 2477; Totley 3179;

since 1969: Belgrave Road 3186; Cutthorpe Hall 3473; Ryecroft Glen 3281; Archer Lane 3484; Bracken Hill, Low Spring Wood 3396; Killamarsh 4681; Whiston 4888; Morley Pond 4996.

(I) *Inula helenium* L.

Elecampane

Records Chatsworth 2671; R. Derwent, Hathersage 2281; Listerdale (escape) 4691.

since 1969:

(N) *Inula conyzia* DC.

Ploughman's-spikenard

Old record: 1888 Woodhouse Common 1790, *D. Dixon* (LFWY).

Records Longstone Edge 2073; Disused Railway Line 2170; Middleton Dale 2175;

since 1969: Coombs Dale 2274; Calver New Bridge 2475; Hassop Quarries 27; Robin Hood 2772; Baslow 2872; Greave's Piece 2878; Stocksbridge 2699; Deepcar 2998; Dronfield 3678; Sheepbridge 3774; Ecclesall 3183; Whamcliffe 3193; Chapeltown 3597; Staveley 4175; Renishaw 4578.

(N) *Pulicaria dysenterica* (L.) Bernh. (*Inula dysenterica*)

Common Fleabane

Old records: 1888 Rotherham district, *L. Langley*, 1828; Endcliffe Wood, *G. Harrison*; between Sheffield and Brightside, *J. Salt*; Kiveton (LFWY).

1889 Between Sheffield and Brightside (*J. Salt*); Renishaw Canal and etc, *Waterfall* (PFD).

1894 Near Holmesfield (SNC).

1895 Near Holmesfield (NAT).

1903 Near Hathersage; Renishaw Canal, *Waterfall C.D.*; near Holmesfield, *The Naturalist*; Coal Aston; east of Totley; Barlborough; Harlesthorne, near Clowne; Bolsover (Linton).

Records since 1965: Near Holmesfield 3176; Woodthorpe Hall 3178; Barlow Woodseats 3275; Cartledge Wood 3276; Dunstan Farm 3279; Cowley 3376 and 3477; Dronfield 3678; Porter Clough 3084; Whirlow Bridge 3182; Tankersley Park 3598; Wentworth Park 3996; Pebley Pond 4878; Pebley Sand Quarry 4978; Woodhouse 4184 and 4284; Norwood 4682; Kimberworth 4092.

(N) **Filago vulgaris** Lam. (F. germanica) Common Cudweed
Old records: 1889 Gathered at Brightside, near Sheffield, 1799 (J. Salt); (F. germanica) About Chesterfield, *Waterfall* (PFD).
1903 About Renishaw, *Waterfall* (Linton).
Record: 1985 Scrapyard, Tinsley 4191.

(N) **Filago minima** (Sm.) Pers. Small Cudweed, Slender Cudweed
Old records: 1888 Crook's Moor, Sheffield, *J. Salt* (LFWY).
1889 On Crookesmoor, Sheffield, in various places (J. Salt).

(N) **Gnaphalium sylvaticum** L. Heath Cudweed, Wood Cudweed
Old records: 1888 Sheffield, frequent, *J. Salt* (LFWY).
1889 Little Matlock, near Sheffield, frequent (J. Salt).
1903 Abney; abundant in open ground, Parkhall Woods (Linton).
Records: 1969 Upper Padley 2579.
1973 Grindleford 2579.
1979 Grindleford-Eyam Road 2376.

(N) **Gnaphalium uliginosum** L. Marsh Cudweed
Old records: 1888 "Cornfield near Sheffield", *Herb. Salt* (LFWY).
1889 Cornfield near Sheffield, 1790. In watery places, frequent (J. Salt); about Chesterfield, *Waterfall* (PFD).
1903 By the large pool east of Killamarsh; Barnford; Dronfield; Baslow; below Hathersage; Chatsworth; Birleyhay; by Barlow Brook; The Hague, Renishaw, *Waterfall* (Linton).
Other records Grid Map No. 284.

(I) **Anaphalis margaritacea** (L.) Bentham Pearly Everlasting
Old records: 1889 (*Antennaria margaritacea*) Garden, near Sheffield (J. Salt).
1911 (*A. margaritacea*) Grimesthorpe, Abbey Dale etc. (SNC).

(N) **Antennaria dioica** (L.) Gaertner Mountain Everlasting, Cat's-foot
Old records: 1888 (*Gnaphalium dioicum*) Hoover Hill, near Wentworth, *H. Payne*; Cliff Rocher and Bradfield, *J. Salt*, 1800 (LFWY).
1889 Hill near Cliff Rocher, near Sheffield (J. Salt).
1903 Hillside behind Baslow, *Gem of the Peak* (Linton).

(N) *Solidago virgaurea* L.

Goldenrod

- Old records: 1888 Don Banks, Sheffield, *J. Salt*; Rivelin Valley, *A. Carr*, Bradfield; Rotherham District, *L. Langley*, 1828 (LFWY).
1889 Little Matlock, near Sheffield, common in woods (*J. Salt*).
1894 Blackbrook and Bradfield (SNC).
1895 Wharncliffe Wood, Beauchief and Totley (NAT).
1903 Wharncliffe, frequent (NAT); Upper Hurst Brook, Barnford; Abney Clough; Froggatt; below Mytham Bridge; Grindleford Bridge; Totley, *The Naturalist*; Beauchief; Holmesfield, *Painter, Natt.*; Sheepbridge (Linton).
1911 Grimesthorpe Wood, Iron Bridge (SNC).
1942 Bradfield, Loxley Valley (*J. Brown*).
Other records Grid Map No. 285.

(I) *Solidago gigantea* Ait.

Early Goldenrod

Note: Includes *S. canadensis* L. records.

Records: Grid Map No. 286.

(N) *Aster tripolium* L.

Sea Aster

- Old records: 1946 On a mud flat composed of coal dirt from a nearby colliery at Holbrook, near Killamarsh (*John Brown*).
1969 Near Killamarsh, on colliery tip (site gone) 4481.

(I) *Aster novi-belgii* L.

Michaelmas-daisy

Note: Includes *A. macrophyllus* and *A. lanceolatus*.

Records: Grid Map No. 287.

(N) *Erigeron acer* L.

Blue Fleabane

- Old records: 1888 (*E. acris*) Rotherham District, *L. Langley*, 1828; Wentworth, *H. Payne* (LFWY).
1903 Clowne (Linton).
Records since 1958: Middleton Dale 2174 and 2175; Robin Hood 2772 and 2871; Baslow 2872; near Fox House 2780; Strawberry Lee 2880; Sheepbridge 3774; Chapeltown 3597; Wharncliffe Tip 3995.

(I) *Erigeron canadensis* L.

Canadian Fleabane

- Records since 1970: Grasscroft 3976; Broomhill 3387; near Moorfoot 3486; St. James Row 3587; Brimington 4074; Barlborough Common 4875; Tinsley 4091; Rotherham 4392.

(N) *Bellis perennis* L.

Daisy

- Old records: 1884 Tapton (SNC).
1894 Common round Sheffield (SNC).
1910 Rivelin Valley (SNC).

1911 Common (SNC).
Other records Grid Map No. 288.

(N) **Eupatorium cannabinum** L. Hemp-agrimony
Old record: 1888 Old quarries near Kiveton, A. Carr (LFWY).
Records Brierley Wood 3775; Roscoe Wheel Pond 3188; Eckington 47; Harlesthorpe
since 1961: Pond 4976; Killamarsh 4780; Listerdale 4692.

(I) **Anthemis tinctoria** L. Yellow Chamomile
Old record: 1903 The Hague, Renishaw, *Waterfall* (Linton).

(N) **Anthemis cotula** L. Stinking Chamomile, Stinking Mayweed
Old records: 1884 Endcliffe Wood (SNC).
1888 Shiregreen, Heeley etc., A. Carr; Whiston, A. Carr (LFWY).
1889 Cornfields and roadsides, common (J. Salt).
1894 Bradfield, *Snelgrove* (SNC).
1895 Bradfield (NAT).
1903 Baslow, *Linton* (Linton).
1911 Common (SNC).
1945 Quarry tip, Arbourthorne (J. Brown).
Records Moorhall Reservoir 2895; Beauchief 3381; Laver's 3586; Tinsley 3990;
since 1969: Beighton 4385 and 4484; Thrybergh 4695; Canal, Denaby 4899.

(N) **Anthemis arvensis** L. Corn Chamomile
Old records: 1888 Near Wales, A. Carr (LFWY).
1889 About Chesterfield, *Waterfall* (PFD).
1903 About Renishaw, *Waterfall* (Linton).

(N) **Chamaemelum nobile** (L.) All. (Anthemis nobilis) Chamomile
Old records: 1888 Brightside, J. Salt; near Sheffield, Geo. Harrison (LFWY).
1889 At Brightside (J. Salt).
1911 Attercliffe Common, formerly; Sheffield Moor (SNC).
Records Ford 4180; Ulley Beeches 4787.
since 1970:

(N) **Achillea millefolium** L. Yarrow, Milfoil
Old record: 1889 Pastures and roadsides, common (J. Salt).
Other records Grid Map No. 289.

(N) **Achillea ptarmica** L. Sneezewort
Old records: 1854 On a rough, hilly bank near Ringing Low, near Sheffield (BF).
1889 Common among corn, and in moist meadows (J. Salt).
1889 About Chesterfield, *Waterfall* (PFD).
1894 Holmesfield, Millhouses (SNC).
1895 Millhouses. Common in bogs on the moors (NAT).
Other records Grid Map No. 290.

(N) Tripleurospermum inodorum Schultz Bip. (T. maritimum ssp. inodorum)

Scentless Mayweed

Old records: 1903 Bamford Station; Baslow, *Painter, J.B.*; Beighton; Eckington; near Linacre House, Brampton; about Renishaw, *Waterfall* (Linton).

Other records Grid Map No. 291.

(N) Matricaria recutita (Chamomilla recutita) Scented Mayweed, Wild Chamomile

Old records: 1894 (M. chamomilla) Norton (SNC).

1903 (M. chamomilla) Near Norton, *The Naturalist*; about Renishaw, *Waterfall*; Chesterfield, *Milnes, C.D.*; Killamarsh; Brampton, *Pilkington* (Linton).

1943 Rubbish tip, Arbourthorne; roadside between Totley and Owl Bar; High Moor, Killamarsh; Staveley (J. Brown).

Records since 1969 Calver 2375; Grindleford 2478; Baslow 2572; Rivelin 2987; Storrs Bridge 2990; Totley 3179; Chesterfield 3871; Beauchief 3381; Star Cinema 3486; Graves Park 3582; Wentworth Park 3996; Staveley 4174; Beaver Hill Rd. 4185; Treeton Tip 4288; Beighton 4384; Killamarsh 4680; Morthern 4789; Harthill 4980; Whiston 4590; Thrybergh 4796; Canal, Denaby 4899.

(I) Matricaria matricarioides (Less.) Porter

Pineappleweed. Rayless Mayweed

Records: Grid Map No. 292.

Chrysanthemum segetum L.

Corn Marigold

Old records: 1888 "Common". *J. Salt*; "I have not seen more than one or two specimens in the neighbourhood of Sheffield", *W. W. Newbould*: field by footpath to Ecclesfield, *A. Carr* (LFWY).

1889 Common in cornfields (J. Salt); about Chesterfield, *Waterfall* (PFD).

1903 Beighton; about Eckington, *Waterfall* (Linton).

Records since 1969: Old racecourse, Chesterfield 3672; Beauchief 3381; Parkwood Springs 3489; Eckington 4279; Todwick 4985.

(I) Leucanthemum maximum (Ramond) DC.

Shasta Daisy

Records since 1972: Moorhall 3174; Millthorpe 3276; The Roughs 3185; Canal bank, Carbrook 3990; Don Canal 4092; Bow Bridge 4292; Parkgate 4494; Firsby 4996.

(N) Leucanthemum vulgare Lam.

Oxeye Daisy, Moon-Daisy, Marguerite

(Chrysanthemum leucanthemum)

Old record: 1894 Common around Sheffield (SNC).

Other records Grid Map No. 293.

(I) Tanacetum parthenium (L.) Schultz Bip. (Chrysanthemum parthenium) Feverfew

Old records: 1888 *Matricaria parthenium* About Sheffield, *J. Salt* (LFWY).

1903 Middleton Dale, *Pilkington*; Bramley, Hassop, *Painter, J.B.*; Duckmanton, *Waterfall* (Linton).

1911 Garden walks (SNC).

Other records Grid Map No. 294.

(N) **Tanacetum vulgare** L. (Chrysanthemum vulgare)

Tansy

Old records: 1888 Don banks from above Sheffield, *J. Salt* (LFWY).

1889 Brightside, Sheffield; common on the banks of rivers (*J. Salt*); common about Chesterfield, *Waterfall* (PFD).

1894 Beighton (SNC).

1895 Beighton (NAT).

1903 Hathersage; bank of R. Rother, near Renishaw, *Waterfall*; Beighton, *The Naturalist*; Eckington (Linton).

1911 Along the banks of the Don (SNC).

Other records Grid Map No. 295.

(N) **Artemisia vulgaris** L.

Mugwort

Old records: 1889 Brightside, Sheffield. Borders of fields and ditch banks, frequent (*J. Salt*).

1894 Kiveton Park, *Snelgrove* (SNC).

1903 Stoney Middleton; below Hathersage; Freebirch, Old Brampton; near Dore (Linton).

1911 Brightside (SNC).

Other records Grid Map No. 296.

(N) **Artemisia absinthium** L.

Wormwood

Old record: 1888 By the Don, Sheffield, *A. Carr* (LFWY).

Other records Grid Map No. 297.

(I) **Echinops sphaerocephalus** L.

Globe Thistle

Records: 1971 General Cemetery 3485.

1986 R. Don, Eastwood 4393.

(N) **Carlina vulgaris** L.

Carline Thistle

Old records: 1881 Langsett (Report, Barnsley Naturalists' Society).

1889 Gathered at Brightside, Sheffield, on the hill by the waterside (*J. Salt*).

Records Longstone Edge 2073; Coombs Dale 2274; Robin Hood, Baslow 2772;

since 1969: Birchen Edge 2871; Fox House road 2680; Pebley Pond 4878.

(N) **Arctium lappa** L.

Greater Burdock

Old records: 1889 Road sides and ditch banks, common (*J. Salt*).

1911 Club Mill (SNC).

(N) **Arctium minus** group

Lesser Burdock

(*A. minus* Bernh. s.l. (including ssp. **nemorosum** previously *A. intermedium*))

Old records: 1888 (*A. intermedium*) Ecclesall, near Sheffield, *W. W. Newbould*, teste *C. C. Babington*, *Ann. N. H. Vol. 17 1856*; near Kiveton Station, *A. Carr* (LFWY).

1889 Common about Chesterfield, *Waterfall* (PFD).

1903 Calver; between Hassop and Baslow; about Renishaw, *Waterfall*; Ashopton; near Yorkshire Bridge; Abney; Barlborough Low Common and Barlborough; (A. intermedium) Longstone Edge (Linton).

Other records Grid Map No. 298.

(N) *Carduus nutans* L.

Musk Thistle

Old records: 1882 Stoney Middleton (SNC).

1888 Rotherham District, *L. Langley*; Brightside, *J. Salt* (LFWY).

1889 Gathered at Brightside, Sheffield (J. Salt).

1903 Longstone Edge (Linton).

Records since 1969: Hassop area 2271; Coombs Dale 2273 and 2274; Calver 2374; Robin Hood 2871; Dennis Knoll 2284; Stanedge 2384; Cowley 3377; Ecclesall Road 3486; Wortley Bank 3197; Eastwood 4393; Mexborough 4799.

(N) *Carduus acanthoides* L. (*C. crispus* auct., non L.)

Wetted Thistle

Old records: 1894 Middleton Dale (SNC).

1903 Shatton; Beighton; near Park Hall, Barlborough; Bolsover (Linton).

Records since 1964: Longstone Edge 2073; Bretton Clough 2078; Abney 2179; Coombs Dale 2274 and 2375; Calver New Bridge 2475; Bamford 2083; Grange Lane/Freebirch 3073; Rumbling Street 3274; Millthorpe 3276; Cowley 3377; near Lee Common 3476; Stanington 3189; Lees Hall 3684; Canal, Staveley 4376; Mastin Moor 4475; Renishaw Canal 4478; Beighton 4385, 4482 and 4484; Woodhouse Mill 4484; Rother Valley Country Park 4682; Canklow 4291; Rotherham 4293.

(N) *Cirsium eriophorum* (L.) Scop.

Woolly Thistle

Old records: 1903 Coomb's Dale, near Calver; Hassop Mines, abundant (Linton).

Records since 1967: Longstone Edge 2173; Hassop Mines Lane 2273; Coombs Dale 2274; Sir William Hill 2278; Longstone Edge Lane 2373; Calver 2374; near Totley 3179.

(N) *Cirsium vulgare* (Savi) Ten.

Spear Thistle

Old records: 1889 (*Cnicus lanceolatus*) Roadsides and waste places, common (J. Salt).

1911 Common (SNC).

Other records Grid Map No. 299.

(N) *Cirsium palustre* (L.) Scop.

Marsh Thistle

Old records: 1889 (*Cnicus palustris*) Moist meadows and shady places (J. Salt).

1911 Crookesmoor Dams (SNC).

Other records Grid Map No. 300.

(N) *Cirsium arvense* (L.) Scop.

Creeping Thistle, Field Thistle

Old record: 1889 (*Cnicus arvensis*) Common by roadsides (J. Salt).

Other Records Grid Map No. 301.

(I) **Cirsium oleraceum** (L.) Scop. Cabbage Thistle
Record: 1985 Fulwood 3186.

(N) **Cirsium acaule** Scop. Dwarf Thistle, Stemless Thistle
Old record: 1965 Kiveton Common, *Amos Carr* (Sorby Record).
Records: 1974 Froggatt Edge 2577.
1980 Thrybergh, banks R. Don 4595.
Longstone Edge 2173.

(N) **Cirsium helenioides** (L.) Hill (C. heterophyllum) Melancholy Thistle
Old record: 1889 (Cnicus heterophyllum) Gathered in a wood called Scaithwood, near Mr. Rawson's tanyard. 1½ miles from Sheffield, also Old Park, Sheffield (J. Salt).
Records: 1969 Ladyspring Wood 3381.
1970 Breck Farm 4276.
1982 and 1986 Blackamoor 2880.

(I) **Silybum marianum** (L.) Gaertner Milk Thistle
Old records: 1888 Rotherham District, *L. Langley*, 1828; Brightside, *J. Salt* (LFWY).
1889 (Carduus marianus) Gathered at Brightside, about two miles below Sheffield (J. Salt).
1911 Rough bank at Brightside (SNC).
1963 Sheffield garden (Sorby Newsletter).
Record: 1983 Ecclesall Road, Star Cinema 3486.

Onopordum acanthium L. Cotton Thistle, Scotch Thistle
Old record: 1888 Rail-bank near Woodhouse Junction, *A. Carr* (LFWY).
Other records: 1966 Gallery Wood 3793 and 3894.
1967 Near Morley Ponds, Wentworth 3996.
1970 Hartley Brook Dike 3693.
1983 Ecclesall Road 3486.

(N) **Centaurea scabiosa** L. Greater Knapweed
Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
1903 Great Longstone, Clowne, Barlborough, Bolsover (Linton).
Records since 1969: Disused railway line 2170; Middleton Dale 2175 and 2275; Coombs Dale 2274; Redmires 2885; Fouldrings 2994; Ewden 2995; Clowne 4875; Shirebrook 4384; R. Rother 4484; Revel Wood 4589; Pigeon Bridge 4784; Kilnhurst Cut 4697; Canal, Denaby 4899; Hooton Roberts 4996, 4997 and 4998.

(N) **Centaurea cyanus** L. Cornflower, Blue-bottle
Old records: 1888 Common near Sheffield, *J. Salt*; Manor Fields, *A. Carr*, *G. Harrison Hb.* (LFWY).
1889 Common in cornfields (J. Salt); about Chesterfield, *Waterfall* (PFD).

1894 Kiveton Park Station (SNC).

1903 Intake, The Hague, Renishaw, *Waterfall*; field near Bamford, perhaps casual, *Gibbs* (Linton).

1911 Common (SNC).

Records: 1969 Pebley Pond 4880.

1972 Near Crookes Cemetery 3287.

1974 Near Mosborough 4380.

(I) *Centaurea jacea* L.

Brown Knapweed

Old record: 1911 Common (SNC).

(N) *Centaurea nigra* L.

Common Knapweed, Lesser Knapweed, Hardheads

Old records: 1889 Meadows and pastures, common (J. Salt).

1894 Holmesfield (SNC).

Other records Grid Map No. 302.

(N) *Serratula tinctoria* L.

Saw-wort

Old records: 1888 Hedge near Norton Lees, *J. Salt*; Sheffield, hedge near Grayson's Farm, Bellhouses, *A. Carr* (LFWY).

1889 Little Matlock, near Sheffield; and in a hedge near Norton Lees, Sheffield (J. Salt).

1903 Hedge near Norton Lees, *Hb. Salt*; Hasland; Calow, *Drabble*; Harlethorpe, near Clowne; Horsley Gate; south of Coal Aston; east of Totley (Linton).

1910 Ecclesall Wood (SNC).

1941 Bretton Clough, near Hathersage; Cordwell Valley (J. Brown).

1943 Near Troway (J. Brown).

Records: 1969 Bretton Clough 2079; Bramley Mill 4080; Cordwell 3176.

1972 Near Totley 3178 and 3179.

***Cichorium intybus* L.**

Chicory, Wild Succory

Old records: 1888 Rother banks, *G. Harrison* (LFWY).

1903 Clowne, *Pilkington*; Spital, Chesterfield, *Drabble* (Linton).

Records: 1969 Beighton 4583; Guilthwaite 4589; Wigley 3172.

1976 Near Ulley 4588.

1977 Dronfield 3677.

1979 Sandygate Park Road 3086, seen again nearby in 1983, surviving 1984.

1980 Between Aughton and Whiston 4588.

1981 Denaby 4999.

1985 Winter Street 3487; Hesley Park 3696.

(N) **Lapsana communis** L.

Nipplewort

- Old records: 1889 Common throughout the county (PFD).
1894 Norton, common (SNC).
1911 Common (SNC).
Other records Grid Map No. 302.

(N) **Hypochoeris radicata** L.

Cat's-ear

- Old records: 1889 Common at Chesterfield, *Waterfall* (PFD); common in meadows and pastures (J. Salt).
1894 Common round Sheffield (SNC).
1895 Common about Sheffield (NAT).
Other records Grid Map No. 304.

(N) **Leontodon autumnalis** L.

Autumn Hawkbit

- Old records: 1894 (var. *pratensis*) Garden near Norton Lees (SNC).
1895 Near Norton Lees (NAT).
Other records Grid Map No. 305.

(N) **Leontodon hispidus** L.

Rough Hawkbit

- Old records: 1888 (*L. hirtus*) Rother bank near Woodhouse, *Geo. Harrison*; but is the plant small *Apargia autumnalis*, *W. W. Newbould* (LFWY).
1894 Near Holmesfield (SNC).
Other records Grid Map No. 306.

(N) **Leontodon taraxacoides** (Vill.) Mérat (*L. leysseri*) Lesser Hawkbit, Hairy Hawkbit

- Old records: 1889 Gathered on Crookesmoor, Sheffield, 1799; common in pastures (J. Salt).
1903 (*L. hirtus*) Hazelbarrow Farm, Norton; between Greenhill and Bradway; Froggatt; Troway; by pool east of Killamarsh; Old Brampton; Westhorpe (Linton).
Records since 1969: Leam 2379; Bar Brook 2672; Woodthorpe 3178; Wilday Green 3274; Near Holmesfield 3376; Lees Common 3476; Monkwood 3576; Troway 3979; Graves Park 3582; Pebley Quarry 4978; Ford 4081; Eckington 4080 and 4081; ponds near Beighton 4684; Thybergh Reservoir 4796.

Picris echioides L.

Bristly Oxtongue

- Records: 1969 Between Holmesfield and Millthorpe 3276.
1976 Stonewall, Barlow 3474.
1985 Winter Street, Sheffield 3487.

(N) **Picris hieracioides** L.

Hawkweed Oxtongue

- Old records: 1903 Bolsover, Barlborough (Linton).
Records: 1969 Bubnell 2472; Middleton Dale 27; near Bretton 27.
1971 Woodhouse Mill 4385.

- 1973 Shirebrook 4484; R. Rother 4384.
 1975 Woodhouse Mill 4385 and 4484; Parkgate 4494; Poolsbrook 4373;
 Barlborough Common 4776; Clowne 4875.
 1985 Millhouses 3383.

(N) *Tragopogon pratensis* L. Goat's-beard, Jack-go-to-bed-at-noon

- Old records: 1888 By canal near Attercliffe, A. Carr (LFWY).
 1889 About Chesterfield, *Waterfall* (PFD).
 1894 Heeley, Rotherham, Dore (SNC).
 1895 Heeley and Rotherham, Dore (NAT).
 1903 Near Hathersage; Stokemoor Wood, Grindleford Bridge; near the
 Peacock Inn, 360 yards; about Renishaw, *Waterfall*; Norton; Dore, *The
 Naturalist*; Bolsover (Linton).
 1911 Upperthorp, Brightside etc. (SNC).
 Other records Grid Map No. 307.

***Lactuca virosa* L.** Great Lettuce

- Old records: 1889 Gathered near Sheffield and given by Dr. Stokes, in August 1799 (J.
 Salt).
 Record: 1985 Parkwood Springs 3489.
 1987 Near Holmes Lock 4192; Broughton Lane Sidings 3989.

(N) *Mycelis muralis* (L.) Dumort. Wall Lettuce

- Old records: 1888 (*Lactuca muralis*) Cliff Rocher, J. Salt (LFWY).
 1889 (L. muralis) at Cliff Rocher, near Sheffield, in shady places (J. Salt);
 walls, Bolsover Castle, *Waterfall* (PFD).
 1894 (L. muralis) Black Brook, Rivelin and Meersbrook (SNC).
 1895 (L. muralis) Bannercross, Norton, Totley (NAT).
 1903 (L. muralis) Middleton Dale; Hood Brook, Hathersage; Grindleford
 Bridge; Totley; Norton, *The Naturalist*; The Moss, Mosborough;
 Holbrook; Clowne; Walls, Bolsover Castle, *Waterfall C.D.* (Linton).
 1911 (*Prenanthes muralis*) Neep's End (SNC).
 Other records Grid Map No. 308.

(N) *Sonchus arvensis* L. Perennial Sow-thistle, Field Milk Thistle

- Old records: 1889 Common in cornfields (J. Salt); about Chesterfield (PFD).
 1894 Rotherham (SNC).
 Other records Grid Map No. 309.

(N) *Sonchus oleraceus* L. Smooth Sow-thistle, Milk or Sow Thistle

- Old records: 1889 About Chesterfield (PFD); Common in cultivated ground (J. Salt).
 1911 Common (SNC).
 Other records Grid Map No. 310.

(N) **Sonchus asper** (L.) Hill Prickly Sow-thistle, Spiny Milk or Sow Thistle
 Old records: 1889 About Chesterfield (PFD).
 1894 Garden near Norton Lees (SNC).
 Other records Grid Map No. 311.

Prickly Sow-thistle, Spiny Milk or Sow Thistle

Old records: 1889 About Chesterfield (PFD).

1894 Garden near Norton Lees (SNC).

Other records Grid Map No. 311.

(l) **Cicerbita macrophylla** (Willd.) Wallr. Common Blue-sow-thistle
 Records Curbar 2474; Grindleford Bridge 2477; Bamford 2082; Hathersage 2281,
 since 1968: 2283 and 2381; Cowley 3377; near Dronfield 3678; Loxley 3089; Pebley
 Pond 4878.

Common Blue-sow-thistle

Records Curbar 2474: Grindleford Bridge 2477: Bamford 2082: Hathersage 2281.

since 1968: 2283 and 2381; Cowley 3377; near Dronfield 3678; Loxley 3089; Pebley Pond 4878.

1888 Rail-bank near Rother below Catcliffe, and Redmires, A. Carr (LFWY).

1910 Redmires, *E. Snelgrove* (SNC).

1969 Barlow 3575.

1980 Railway embankment 3578.

1983 Dronfield 3578; Monk Wood 3576.

1888 Old Park Wood, *J. Salt*; on rail-banks etc. about Sheffield, *A. Carr* (LFWY).

1889 Gathered in Old Park wood, Sheffield; Common in woods (J. Salt).

1894 Black Brook and near Holmesfield (SNC).

1903 Railway cuttings and embankments at Wharmcliffe (NAT).

1911 Grimesthorp Wood, Norwood etc. (SNC).

Other records Grid Map No. 312.

Hieracium vagum Jordan

Record: 1969 Old specimen from Bamford.

Section 3 Foliosa Fries

Hieracium subcrocatum (E. F. Linton) Roffey

Record: 1974 Industrial waste tip near Holmes 3092.

Section 4 Tridentata F. N. Williams

Hieracium eboracense Pugsley

Record: 1969 Eyam 2176.

Section 5 Prenanthoidea Koch

Hieracium prenanthoides Vill.

Old record: 1889 Garden specimen (J. Salt).

Section 7 Vulgata F. N. Williams

Subsection Glandulosa Pugsley

Hieracium grandidens Dahlst.

Record: 1969 Millstone Edge 2484.

Hieracium exotericum auct.

Records: 1969 Middleton Dale 2275.
1972 Abney Clough 2180.

Subsection Caesia W. R. Linton, emend.

Hieracium rubiginosum F. J. Hanb.

Record: 1969 Middleton Dale 2175.

Subsection Vulgata

Hieracium vulgatum Fries

Old records: 1903 Wharcliffe, in the woods (NAT); Calow, near Chesterfield; Baslow (Linton).

Records since 1966: Disused railway line 2170; Stoney Middleton 2175; Woodnook 3472; Nether Cut Wheel 3187; R. Don 3489; Ulley 4587.

Hieracium acuminatum Jordan (incl. *H. lachenalii* auct. and *H. strumosum* auct.).

Old records: 1903 (*H. sciaphilum*) Wharcliffe, in woods (NAT) Hathersage; Abney; Shatton; Grindleford Bridge; near Fox House Inn; Parkhall Woods, near Westthorpe; Wilday Green, Barlow (Linton).
1939 Wharcliffe, in woods (NAT).

Records: 1969 (*H. strumosum*) Gardham's rocks, near Baslow 2773.
1974-1979 Linacre 3272.

Hieracium diaphanoides Lindeb.

Old records: 1903 Owl Bar, Gibbs (Linton).
1939 Walkley Quarry (NAT).
1941 Walkley Quarry (LFWY Suppl.).

Section 8 Oreadea Fries, emend

Hieracium britannicum F. J. Hanb.

Record: 1969 Middleton Dale 2175 and 2275.

Subgenus PILOSELLA

Section 13 Pilosella Fries.

Hieracium pilosella L.

Mouse-ear Hawkweed

Old records: 1889 Crookes Moor, Sheffield, in very dry places (J. Salt).
1911 Common (SNC).
Other records Grid Map No. 313.

Section 14 Pratensina Zahn.

Hieracium aurantiacum L.

Fox-and-cubs

Old record: 1903 In an old cemetery at Staveley, Drabble (Linton).

Hieracium brunneocroceum Pugsley

(including *H. aurantiacum* records).

Records: Grid Map No. 314.

(I) **Crepis vesicaria** L. ssp. **haenseleri** (DC.) P. D. Sell
(*C. taraxacifolia*)

Beaked Hawk's-beard

Records: 1979 Grange Lane/Freebitch 3073.
1981 Catcliffe Flash 4288; Old Finney Fields 3477.
1982 Ponds 3575.
1983 Wickfield Wood 4084; Birley Spa 4083.

(I) **Crepis setosa** Haller fil.

Bristly Hawk's-beard

Records: 1974-1979 Dronfield 3578.
1987 Thrybergh Reservoir 4587.

(N) **Crepis mollis** (Jacq.) Ascherson

Northern Hawk's-beard, Soft Hawk's-beard

Old records: 1894 Near Ecclesall Wood (SNC).
1941 The record in *Nat.* 1894 for Ecclesall Wood, if not a misnomer, is
adventive (LFWY Suppl.).

Crepis biennis L. Rough Hawk's-beard
Old record: 1903 Railway banks of the Great Central, Renishaw (Linton).
Record: 1984 Cutthorpe 3572.

(N) **Crepis capillaris** (L.) Wallr. Smooth Hawk's-beard
Old records: 1888 (*C. virens*) "Crook's Moor 1799", *Herb. Salt* (LFWY).
1889 (*C. virens*) Gathered on Crookesmoor, Sheffield, July 1799, frequent (J. Salt).
1894 Norton Lees (SNC).
Other records Grid Map No. 315.

(N) **Crepis paludosa** (L.) Moench Marsh Hawk's-beard
Old records: 1881 "Sheffield" (NAT).
1882 Stoney Middleton (SNC).
1888 Wharncliffe, Cliff Rocher, A. Carr (LFWY).
1894 Bog near Dore (SNC).
1895 Bog near Dore (NAT).
1903 Ramsley Moor, above Baslow, near Fox Lane Plantation; Bog near Dore, *The Naturalist* (Linton).
Other records Grid Map No. 316.

(N) **Taraxacum officinale** Weber, sensu lato Common Dandelion.
Old records: 1889 (*Leontodon taraxacum*) Gathered on Crookesmoor, Sheffield, 1799; common in pastures (J. Salt).
1894 (*T. officinale* var. *dens-leonis*) Common round Sheffield (SNC).
1911 (*Leontodon taraxacum*) Common (SNC).
Other records Grid Map No. 317.

(N) **Taraxacum palustre** (Lyons) DC., sensu lato Narrow-leaved Marsh Dandelion
Old record: 1889 (*Leontodon palustre*) high moors, nr. Fulwood, Sheffield, 1800 (J. Salt).

(N) **Taraxacum spectabile** Dahlst., sensu lato Red-veined Dandelion,
Broad-leaved Marsh Dandelion
Records: 1969 Fox House 2781; Totley Bents 3080; Pebley Quarry 4978; Eckington 4081.

(N) **Taraxacum laevigatum** (Willd.) DC., sensu lato Lesser Dandelion
Records Middleton Dale 2175; Coombs Dale 2275 and 2374; Millstone Edge area since 1969: 2480; Barlow 37.

The following records, within the Sheffield Flora area, have been extracted from Derbyshire Flora Supplement 2:-

Taraxacum	ancistrolobum	37
„	atrovirens	48
„	boekmanii	48
„	dilaceratum	47
„	fasciatum	37 and 38
„	hamatum	37
„	hamiferum	38 and 47
„	obliquilobum	48
„	ordinatum	47
„	pachymerum	46
„	praeradians	47
„	pseudohamatum	38 and 47
„	saggitipotens	37 and 48
„	scotiniforme	47

(MONOCOTYLEDONES)

ALISMATACEAE

(N) **Baldellia ranunculoides** (L.) Parl. Lesser Water-plantain

Old records: 1888 (*Alisma ranunculoides*) Old quarries below Kiveton, A. Carr (LFWY).
1903 (*A. ranunculoides*) Margin of Pebley Pond, Barlborough (Linton).

Records: 1969 Pebley 4878.
1980 Harthill 4880.

(N) **Luronium natans** (L.) Rafin. Floating Water-plantain

Old record: 1889 (*Alisma natans*) Wales - probably Wales, near Rotherham, Yorkshire (J. Salt).

(N) **Alisma plantago-aquatica** L. Water-plantain

Old records: 1889 (*Alisma plantago*) Common in waters and banks of rivers (J. Salt);
about Chesterfield, *Waterfall* (PFD).

1894 Darnall, *Snelgrove*; near Norton, *Snelgrove* (SNC).

1911 Blackburn Tilt and Blonk's Wheel (SNC).

Other records Grid Map No. 318.

(N) **Alisma lanceolatum** With. Narrow-leaved Water-plantain

Old records: 1903 Long Meadow, Renishaw, *Waterfall*; margin of Pebley Pond,
Barlborough (Linton).

Records: 1969 Renishaw 4478.
1973 Harthill Reservoir 4880; Tinsley 3990.

- 1978 Tinsley, canal 3687; Don Canal 4092.
 1979 Canal, Blast Lane 3687.
 1980 Sheffield Canal 3687 and 3788.
 1981 Sheffield Canal 3888.

(N) *Sagittaria sagittifolia* L.

Arrowhead

- Old records: 1888 Rotherham, *L. Langley*, 1828 (LFWY).
 1889 About Renishaw, Chesterfield, *Waterfall* (PFD).
 1903 About Renishaw, *Waterfall*; Chesterfield Canal, *Drabble*; Killamarsh;
 Coal Aston (Linton).
 Records: 1935-38 Chesterfield Canal 4681.
 1969 Staveley 3974; Renishaw 4474; Killamarsh 4681.
 1973 Norwood 4681.
 1975 Brimington 3974; Slittingmill Farm 4376.

BUTOMACEAE

(N) *Butomus umbellatus* L.

Flowering-rush

- Old records: 1888 Canal, Kiveton, *A. Carr* (LFWY).
 1889 Banks of Renishaw Canal, Chesterfield, *Waterfall* (PFD).
 1903 Cut going towards Norbriggs, near Staveley, *Waterfall*; near Mastin
 Moor (Linton).
 Records: 1979 Sheffield Canal 3989.
 1982 Canal, Tinsley 3991.

HYDROCHARITACEAE

(I) *Elodea canadensis* Michx

Canadian Waterweed, Canadian Pondweed

- Old records: 1888 In the Don and Rother near Sheffield, not common, *A. Carr* (LFWY).
 1895 Gleadless Common (SNC).
 Other records Grid Map No. 319.

(I) *Elodea nuttallii* (Planchon) St. John

Nuttall's Waterweed

- Records Tinsley Canal 3990 and 3991; Renishaw Lake 4478; near Whiston 4389;
 since 1977: Harthill Reservoir 4880.

JUNCAGINACEAE

(N) *Triglochin palustris* L.

Marsh Arrowgrass

- Old records: 1884 Bogs near Dore (SNC).
 1888 Rotherham District, *L. Langley*; Wharncliffe (LFWY).
 1903 Abney Clough; Umberley Brook, near Chatsworth; near Clowne,
Painter, Natt.; Harlesthorne, perhaps the same locality (Linton).

Records since 1969: Highlow Brook 2179; Hassop 2371; Calver Sough 2375; Big Moor 2577 and 2776; Umberley Brook 2870 and 2871; Bar Brook 2874; Salter Sitch 2877 and 2977; East Moor 2970; Leash Fen 2973; Hathersage 2380; Bramley Vale 4676; Oxcroft 4773; Ravenfield Park 4896.

APONOGETONACEAE

(I) **Aponogeton distachyos** L. f. Cape Pondweed, Water Hawthorn
Record: 1974-79 Pool near Dronfield 3678.

POTAMOGETONACEAE

(N) **Potamogeton natans** L. Broad-leaved Pondweed
Old records: 1888 (*Potamogeton eu-natans*) Ponds, Attercliffe Common, *Herb. Salt* "a small specimen, but the true plant", *W. W. Newbould*; by the Rother, *A. Carr* and *Geo. Harrison*. "True", *W. W. Newbould* (LFWY).
1889 Attercliffe Common, near Sheffield; ponds near Attercliffe (*J. Salt*); about Chesterfield, *Waterfall* (PFD).
1903 Near Stoney Middleton: small pond near Hassop station; Beighton; Chatsworth Park; about Renishaw, *Waterfall*; pool east of Killamarsh; Parkhall, Barlborough; Pebley Pond (Linton).
Other records Grid Map No. 320.

(N) **Potamogeton polygonifolius** Pourret Bog Pondweed
Old records: 1888 Loxley Valley, Sheffield, *J. Salt*; Rivelin Valley and dams, *A. Carr*; Bradfield Moors, *Id.* (LFWY).
1903 Offerton Moor, *Gibbs*; Callow Bank, above Hathersage; Barnford Moor; swampy woodland near Hathersage Booths, and above Padley Wood; Umberley Brook, Chatsworth (Linton).
Other records Grid Map No. 321.

(N) **Potamogeton alpinus** Balbis Red Pondweed
Old record: 1903 Small pond not far from Bar Brook Hall, Chatsworth (Linton).
Records since 1969: Brampton Moor 2670; Emperor Stream 2771 and 2970; Umberley Brook 2870.

(N) **Potamogeton perfoliatus** L. Perfoliate Pondweed
Old records: 1888 Canal, Kiveton, *A. Carr* (LFWY).
1889 About Chesterfield, *Waterfall* (PFD).
1903 Renishaw, *Waterfall*; Killamarsh (Linton).
Records since 1971: R. Don 3488 and 3788; Sheffield Canal 3888; Elsecar Reservoir 3899; Canal, Tinsley 3990 and 3991; Harlethorpe 4076; Woodhouse Mill 4385; Beighton 4484; Killamarsh Canal 4681; R. Don 4091 and 4092; Canal, Holmes 4192.

(N) **Potamogeton friesii** Rupr. Flat-stalked Pondweed
 Old records: 1888 (*Potamogeton mucronatus*) Canal, Kiveton, A. Carr (LFWY).
 1903 Renishaw Canal (Linton).
 Records Canal, Killamarsh, Norwood 4681 and Westhorpe 4579.
 since 1969:

Potamogeton x lintonii Fryer
 Old records: 1903 (*Potamogeton crispus* x *Friesii*) Canal near The Hague, Renishaw,
 1899 (Linton).
 1947 Canal at Renishaw, det. Dandy & Taylor (J. Brown).
 1969 Canal Renishaw (Grid 47, Derbyshire Flora).

(N) **Potamogeton obtusifolius** Mert. & Koch Blunt-leaved Pondweed,
 Grassy Pondweed
 Old records: 1888 Rotherham District, L. Langley, 1828; Canal, Kiveton, Amos Carr
 (LFWY).
 Records Sheffield Canal 3888; Killamarsh Canal 4681; Thrybergh Reservoir 4795.
 since 1969:

(N) **Potamogeton berchtoldii** Fieber (P. pusillus) Small Pondweed
 Old records: 1889 Near Sheffield, 1800 (J. Salt); about Chesterfield, *Waterfall* (PFD).
 1903 Pond at the Hague, Renishaw, *Waterfall*; Killamarsh; Pebley Pond,
 Barlborough (Linton).
 1946 Thorncliffe, near Sheffield, J. A. Horne (NAT).
 Records Emperor Stream 2670 and 2771; Umberley Brook 2870 and 2871; Paper Mill
 since 1966: Pond 2987; Crowhole Reservoir 3274; Round Dam 3087; Holme Head
 Wheel 3187; Effingham Street 3688; Blonk Street 3587; river edge, Attercliffe
 3788; Sheffield Canal 3888; Canal, Tinsley 3991; R. Don 4091; Catcliffe
 Flash 4288; Treeton Dyke 4386; Canal Holmes 4192; Wentworth Park 4196;
 Thrybergh Reservoir 4795.

(N) **Potamogeton compressus** L. Grass-wrack Pondweed
 Record: 1979 Sheffield Canal 3888.

(N) **Potamogeton crispus** L. Curled Pondweed
 Old records: 1888 Near Rotherham, L. Langley, 1828; Canal near Sheffield, A. Carr;
 Kiveton, A. Carr; (var. *serratus*) Ditches near Ecclesfield, A. Carr (LFWY).
 Records Calver 2475; Blackwaters 3974; Beauchief Ponds 3381; Sheffield Canal
 since 1966: 3687, 3788, 3989 and 3991; Birley Hay 3980; Renishaw 4378; Ford 4080,
 still present in 1984; Treeton Dyke 4387; Blue Man's Bower 4389; Whiston
 Meadows 4489; Ulley 4587; Killamarsh Canal 4581 and 4681; R. Don 4091
 and 4092; Wentworth Park 4196; Roundwood Ponds 4596; Thrybergh
 Reservoir 4796; Ravenfield Park 4995; Firsby 4995.

(N) **Potamogeton pectinatus** L.

Fennel Pondweed

Old records: 1888 Canal, Kiveton, A. Carr (LFWY).

1903 Beighton; Killamarsh; Canal near Chesterfield; River Rother, near Renishaw, *Waterfall* (Linton).

Records Sheffield Canal 3687, 3788, 3888, 3989, 3990 and 3991; Poolsbrook 4373;
since 1973: Killamarsh 4681; Canal, Holmes 4192; Wentworth Park 4196; Thrybergh Reservoir 4795.

(N) **Groenlandia densa** (L.) Fourr. (*Potamogeton densus*) Opposite-leaved Pondweed

Records: 1969 Chesterfield Canal 4475.

1974-1979 Rowthorne 4976.

ZANNICHELLIACEAE

(N) **Zannichellia palustris** L.

Horned Pondweed

Old records: 1903 Large pond, Chatsworth Park; Harlesthorne, Clowne (Linton).

Records Birley Hay Dam 3980; Pebley Pond 4879; Treeton 4386 and 4387; Norwood

since 1972: 4782; Thrybergh Reservoir 4795.

LILIACEAE

(N) **Narthecium ossifragum** (L.) Hudson

Bog Asphodel

Old records: 1882/84 Rivelin Valley (SNC).

1888 Crooks Moor, *Herb. Salt*, 1796; Cliff Rocher, *J. Salt*; Bell Hagg and bogs near Malin Bridge, A. Carr (LFWY).

1889 Very plentiful in a turfy bog near Cliff Rocher (J. Salt).

1895 Abundant in bogs near Ringinglow, Dore, and Owler Bar (NAT).

1903 East Moor, *Scrimshaw, C.D.*; Abundant in bogs near Ringinglow, Dore, and Owler Bar, *The Naturalist*; Near Hathersage Booths; Salter Sitch and other places near the Peacock Inn; Bamford Moor; Swamp between Moscar House and the road to Strines (Linton).

1910 Rivelin Moorland; "in marsh below Den Bank", *E. Snelgrove* (SNC).

1940 Marsh below Ewden fish pond c. 1,000 ft., *S. M. Walters*; Marsh by road, Whitelee Moor, Bradfield, *S. M. Walters*; Marshy ground on moor above Emlin Clough, Agden, Bradfield, *S. M. Walters* (Sorby Records).

Other records Grid Map No. 322.

(N) **Convallaria majalis** L.

Lily-of-the-valley

Old records: 1840 Rotherham (BF).

1888 Rotherham District, *L. Langley* (LFWY).

Records Coombs Dale 2274; Wyming Brook area 2786; Rose Wood 3175.

since 1966:

(N) Polygonatum multiflorum (L.) All.

Solomon's-seal

All records submitted under the above are taken to be *P. x hybridum*.

Polygonatum x hybridum Brugger (*P. multiflorum* x *P. odoratum*)

Records Hassop Station and disused railway line 2170 and 2270; Coombs Dale 2374;
since 1969: Froggatt 2475; Unthank Lane 3074; Ashgate 3571; Ecclesall Wood 3282;
Listerdale 4691.

Lilium martagon L.

Martagon Lily

Record: 1980 and 1984 Lea Road, Dronfield 3578.

(I) Tulipa sylvestris L.

Wild Tulip

Old record: 1889 Wentworth House, May, 1804 (J. Salt).

(N) Gagea lutea (L.) Ker-Gawler

Yellow Star-of-Bethlehem

Old records: 1888 At Beighton, six miles east of Sheffield, *J. Salt*, MS. in *Town's O.B.G.*
(LFWY).

1889 Gathered in the field next above the Bridge at Beighton, 8 miles from
Sheffield (J. Salt).

1903 Parkhall Woods, Pilkington; field above the Bridge at Beighton, *Hb.*
Salt (Linton).

Ornithogalum umbellatum L.

Star-of-Bethlehem

Old record: 1888 Rotherham District, *L. Langley* (LFWY).

(N) Hyacinthoides non-scripta (L.) Rothm. (Endymion non-scriptus)

Bluebell

Old records: 1889 (*Agaphis non-scriptus*) Woods, common (J. Salt).

1894 (*Scilla nutans*) Harvey Clough. Common in woods (SNC).

1910 Old Park Wood; Ecclesall Wood (SNC).

1911 In most of the woods (SNC).

Other records Grid Map No. 323.

(N) Allium vineale L.

Wild Onion, Crow Garlic

Old records: 1889 Cover (Calver) and Bakewell, Derbyshire (J. Salt).

1903 (var. *bulbiferum*) Side of Field, Barlow Lees, *Gibbs*; (var. *compactum*)
Cover (Calver) *Hb. Salt* (Linton).

Records Middleton Dale 2076 and 2175; Coombs Dale 2274; Eckington 4379.
since 1969:

(N) Allium oleraceum L.

Field Garlic

Records: 1969 Barlborough 4777; near Clowne 4975.

1977 Clifton, Rotherham. *E. T.* (NAT).

Allium schoenoprasum L.

Chives

Record: 1969-74 Bamford 2184.

(I) **Allium cepa** L.

Onion

Record: 1969 Treeton 4386.

(I) **Allium paradoxum** (Bieb.) G. Don.

Few-flowered Leek

Records: 1977 Beauchief 3381; Hooton Roberts 4897.

(N) **Allium ursinum** L.

Ramsons, Wild Garlic

Old records: 1895 Woods near Sheffield, between Norton and Eckington (NAT).

1889 Old Park Wood, Sheffield, and Endcliffe Wood, Sheffield (J. Salt); about Renishaw, Chesterfield, *Waterfall* (PFD).

1903 Hathersage, *Painter, Natt.*; Grindleford; about Renishaw, *Waterfall*; woods between Norton and Eckington, *The Naturalist*; Linacre Wood, Brampton; Barlborough (Linton).

Other records Grid Map No. 324.

(N) **Colchicum autumnale** L.

Meadow Safron, Naked Ladies, Autumn Crocus

Old record: 1888 Rotherham District, *L. Langley* (LFWY).

TRILLIACEAE

(N) **Paris quadrifolia** L.

Herb-Paris

Old records: 1884 Kiveton (SNC).

1888 Rotherham District, *L. Langley*; Parker Spring Wood, near Woodthorpe, Sheffield 1797, *Herb. Salt* (LFWY).

1889 About Chesterfield, *Waterfall* (PFD); gathered in a wood called Parker Spring, near Woodthorpe, about 3 miles from Sheffield, 1797, with 3, 4, 5, 6 and 7 leaves (J. Salt).

JUNCACEAE

(N) **Juncus squarrosus** L.

Heath Rush

Old records: 1882 Rivelin Valley (SNC).

1888 "Turfy parts of high moors south west of Sheffield, plentiful" *J. Salt*, 1800 (LFWY).

1889 Turfy parts of the high moor south west of Sheffield. Plentiful (J. Salt).

1894 On the moors (SNC).

1895 Abundant on the moors (NAT).

1903 Moors west of Dore, *Hb. Salt*; Froggatt; near Chatsworth (Linton).

Other records Grid Map No. 325.

Juncus tenuis Willd.

Slender Rush

Records: 1985 High Green 3498.

1987 Old sidings, Heeley 3484.

- (N) **Juncus compressus** Jacq. Round-fruited Rush
 Records: 1961 Ulley Reservoir 4587.
 1966 Agden Bog 2593.
 1975 Harlethorpe Pool 4976.
- (N) **Juncus bufonius** L. Toad Rush
 Old records: 1889 Wet sandy places, common (J. Salt).
 1894 Holmesfield (SNC).
 1895 Holmesfield, Dore Moor (NAT).
 Other records Grid Map No. 326.
- (N) **Juncus inflexus** L. Hard Rush
 Old record: 1882 (Juncus glaucus) Rivelin Valley (SNC).
 Other records Grid Map No. 327.
- (N) **Juncus effusus** L. Soft-rush
 Old records: 1880 Rotherham area.
 1889 Marshy places, common (J. Salt).
 1894 Black Brook (SNC).
 (Includes var. compactus).
 Other records Grid Map No. 328.
- (N) **Juncus conglomeratus** L. Compact Rush, Conglomerate Rush
 Old record: 1889 Marshy places, common (J. Salt).
 Other records Grid Map No. 329.
- (N) **Juncus subnodulosus** Schrank Blunt-flowered Rush
 Record: 1977 Kiveton Park Marsh 4982 (still present 1988).
- (N) **Juncus acutiflorus** Hoffm. Sharp-flowered Rush
 Old records: 1889 Common in marshes (J. Salt).
 1903 Up to 350 yards near Bamford, and nearly 400 yards on White Edge Moss, Grindleford (Linton).
 Other records Grid Map No. 330.
- (N) **Juncus articulatus** L. Jointed Rush, Articulated Rush
 Records: Grid Map No. 331.
- (N) **Juncus bulbosus** L. Bulbous Rush, Broad-leaved Rush
 Old record: 1889 Crookesmoor, Sheffield (J. Salt).
 Other records Grid Map No. 332.
- (N) **Juncus kochii** Schultz
 Old records: 1903 Birleyhay, near Ford; by Stanage Edge (Linton).

Records Jarvis Clough 2186; marsh, Hood Brook 2382; Agden Bog 2593; Round since 1966: Dam 3087; Roscoe Wheel 3188; Rivelin Bridge Mill 3288.

(N) **Luzula pilosa** (L.) Willd.

Hairy Wood-rush

- Old records: 1850 Beeley Wood, near Sheffield (BF).
1882-84 Rivelin Valley (SNC).
1888 Old Park Wood, *J. Salt*; Beeley Wood, *Herb. Salt*; Wharmcliffe Woods, and Cliff Rocher, *A. Carr* (LFWY).
1889 Beeley Wood, near Sheffield (*J. Salt*); about Chesterfield, *Waterfall* (PFD).
1894 Harvey Clough, Norton (SNC).
1895 Ecclesall Wood, Millhouses, near Norton (NAT).
1903 (*L. vernalis*) Derwent Moor; Eyam Moor; Shatton; near Grindleford Bridge; White Edge, Froggatt; Millhouses; near Norton, *The Naturalist*; Ashopton (Linton).

Other records Grid Map No. 333.

(N) **Luzula sylvatica** (Hudson) Gaudin

Great Wood-rush

- Old records: 1837 (*Luciola sylvatica*) Wharmcliffe (Holland).
1840 Old Park Wood, near Sheffield (BF).
1882 Rivelin Valley (SNC).
1884 Cliffe Rocher (SNC).
1888 Old Park Wood, *Herb. Salt*; Endcliffe Wood, *W. W. Newbould*; Cliff Rocher and Handsworth Wood, *A. Carr* (LFWY).
1889 About Chesterfield, *Waterfall* (PFD); Old Park Wood, Sheffield (*J. Salt*).
1894 Totley to Holmesfield; (*L. maxima*) Black Brook and Millhouses (SNC).
1903 (*L. maxima*) Wharmcliffe frequent (NAT); Bar Brook, above Baslow; Hood Brook, Hathersage; Abney Clough; by the Derwent, below Mytham Bridge; Quarry Dam, Parkhall Woods, *Painter, Natt.*; Millhouses, *The Naturalist*; Wilday Green, Barlow; woods N.E. of Coal Aston; near Beauchief Abbey; Linacre Wood; Millthorpe, Holmesfield (Linton).
1910 "Sheffield area", *E. Snelgrove* (SNC).

Other records Grid Map No. 334.

(N) **Luzula campestris** (L.) DC.

Field Wood-rush, Good Friday Grass

- Old records: 1889 High moors about six miles S.W. of Sheffield (*J. Salt*).
1894 Ecclesall Woods, and near Norton Lees; Loxley Valley (SNC).

Other records Grid Map No. 335.

(N) **Luzula multiflora** (Retz.) Lej.

Heath Wood-rush, Many-headed Woodrush

- Old records: 1884 (var. *congesta*) Rivelin Valley (SNC).
1903 (*L. erecta*) Moors near Sheffield, in *Derb.*, *Gibbs*; Ashopton (Linton).

Other records Grid Map No. 336.

AMARYLLIDACEAE

Galanthus nivalis L.

Snowdrop

- Old records: 1874 Stoke Hall grounds - slope of wood down to river, "thousands" (Memoirs) (still abundant, 1987).
1882 National Union of Elementary Teachers - Guide to Sheffield and District ... "and the snowdrop and daffodil have scarcely yet been expelled from Ecclesall Wood where the former once grew luxuriantly".
1888 "Old Park - I doubt it being a native there", *J. Salt*, 1800 (LFWY).
1889 Bottom of Old Park, Sheffield, "I doubt it being a native there" (J. Salt).
1903 Cordwell Valley, near Holmesfield, *Drabble* (Linton).
Other records Grid Map No. 337.

(N) Narcissus pseudonarcissus L.

Wild Daffodil, Lent Lily

- Old records: 1874 "some hundreds of wild daffodils 'Lent Lilies' grew on the slopes of Bole Hill Plantation in what is locally called 'Little Switzerland' - which runs up from Whirlow Bridge to Ringinglow". "This year, 1926, only two daffodil flowers". (Memoirs).
1888 Below Aldwarke, *J. Salt*; old pastures near Dalton, Sheffield, *A. Carr*; Wickersley, *Geo. Harrison* (LFWY); (N. biflorus) Rotherham District, *L. Langley*, 1828 (LFWY).
1889 Meadows below Aldwarke (J. Salt); about Chesterfield, *Waterfall* (PFD).
1910 Rotherham (SNC).
1911 The Farm and Hallam (SNC).
Other records Grid Map No. 338 (Includes records of garden varieties).

(I) Narcissus poeticus L. (N. majalis)

Pheasant's-eye Daffodil

- Old record: Garden at Shiregreen, near Sheffield (J. Salt).

(I) Narcissus x medioluteus Miller (N. x biflorus)

Primrose-peerless

- Old record: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).

IRIDACEAE

(N) Iris pseudacorus L.

Yellow Iris, Yellow Flag

- Old records: 1889 Near Beighton, Yorkshire (J. Salt); about Chesterfield, *Waterfall* (PFD).
1911 Marsh at Aldwarke (NAT).
Other records Grid Map No. 339.

(I) Crocus nudiflorus Sm.

Autumn Crocus

- Old record: 1888 Gathered in a meadow between Norton and Sheffield "in the same valley with the Sheffield Nursery". *Stokes, Bot. Comp.*, 206 (LFWY).
Other records Grid Map No. 340.

(I) **Crocus vernus** (L.) Hill ssp. **vernus** Spring Crocus
Old record: 1888 "Naturalised near . . . Sheffield" Stokes, *Bot. Comp.*, 205 (LFWY).

(I) **Tritonia x crocosmiflora** (Lemoine) Nicholson (Crocospia x crocosmiflora) Montbretia

Records Barlow Tip 37; The Roughs 3185; Ecclesall Wood 3283; Brincliffe Edge 3384;
since 1969: Parkwood Springs 3489; Goit, R. Don 3789; Wheata Wood 3294; Hill Top Tip
3992; Wath Wood 4399.

DIOSCOREACEAE

(N) **Tamus communis** L. Black Bryony

Old records: 1888 "Common", J. Salt; Rivelin Valley and Whamcliffe Wood, A. Carr (LFWY).

1889 Common in hedges (J. Salt); about Chesterfield, *Waterfall* (PFD).

1894 Norton Lees (SNC).

1910 "Sheffield area", E. Snelgrove (SNC).

1911 Brightside, near Darnall, etc. (SNC).

Other records Grid Map No. 341.

ORCHIDACEAE

(N) **Epipactis palustris** (L.) Crantz Marsh Helleborine

Old records: 1888 Tinsley Wood, Sheffield, A. Carr (LFWY).

1889 Bramley, Hassop, *Gem of the Peak* (PFD). Linton states "I could not find this in Bramley Dale".

Record: 1977 Near Bradfield.

(N) **Epipactis helleborine** (L.) Crantz Broad-leaved Helleborine

Old records: 1854 "Mr. C. C. Babington informed me that he had a specimen, picked near Sheffield by the Rev. W. W. Newbould". H. C. Watson (BF).

1881 Whiteley Wood (SNC).

1884 (E. latifolia) Whiteley Wood (SNC).

1888 Woods near Whitley Hall and Storthes Hall, C. P. Hobkirk; Wentworth Woods, H. Payne; Rotherham District, L. Langley, 1828; Endcliffe Wood, Sheffield, W. W. Newbould; at the bottom of Old Park, August 1799, *Herb. Salt* - "perhaps not the typical plant, this", W. W. Newbould (LFWY).

1889 (E. latifolia) Gathered at the bottom of Old Park, Sheffield, August 1799 (J. Salt).

1894 (E. latifolia) Harvey Clough (SNC).

1903 By upper pool Birley Hay, Ford; Chatsworth, Harris, C. D. (Linton).

1945 Small variety - 'forma diminuta' - article by R. G. Abercrombie relative to Hathersage and Eyam (NWN).

Other records Grid Map No. 342.

(N) *Epipactis purpurata* Sm.

Violet Helleborine

Old record: 1888 (*E. violacea*) Near Sheffield, in Yorkshire, *Ray*, *Cat. i.* 162, *ed. ii.* 157 - 1670 and 1677 - under the same designation as the Malham and Settle plant which is not localised in *ed. i* but is added in *ed. ii* - the Sheffield station being omitted in the Synopsis, whilst the Malham station is retained. This looks as if Ray had come to consider that the two species were not identical, although different from 'H. latifolia montana', i.e. *E. latifolia* Auct. I consider the Sheffield sylvestral plant to be *E. violacea*. Eccleshall wood, W. W. Newbould (LFWY).

(N) *Epipactis atrorubens* (Hoffm.) Besser

Dark-red Helleborine

Old record: 1903 Longstone Edge, nearly 400 yards, abundant (Linton).

Records since 1966: Longstone Edge 2072 and 2073; Coombs Dale 2274 and 2276.

(N) *Spiranthes spiralis* (L.) Chevall.

Autumn Lady's-tresses

Old records: 1888 (*S. autumnalis*) Rotherham district, *L. Langley*; Kiveton Common, *Amos Carr*; . . . near Norton in a clayey pasture, *J. Salt* (LFWY).

1889 (*Neottia spiralis*) Near Norton in a clayey pasture (*J. Salt*).

(N) *Listera ovata* (L.) R. Br.

Common Twayblade

Old records: 1889 Woods about Sheffield (*J. Salt*).

1895 Blacka Plantation (NAT).

Records since 1958: Sir William Hill 2278; Calver Sough 2375 and 2475; Froggatt Edge 2577; roadside 2778; Rivelin 2786; Blackamoor 2880; near Clarion Hut 2881 and 2981; Grange Wood 3174; Barlow Woodseats 3175; near Totley 3178 and 3179; Piper Wood bottom 3476; Povey 3880; Pebley Pond 4978; Sand quarry 4979.

(N) *Listera cordata* (L.) R. Br.

Lesser Twayblade

Old records: 1884 Kiveton (SNC).

1888 On the high moor S.W. of Sheffield, *J. Salt*; moors between Sheffield and Chatsworth, *Sir J. E. Smith in O. B. G.* (LFWY).

1889 Gathered on the high moors about 5 miles S.W. of Sheffield, July 1800 (*J. Salt*).

1889 Mr. Garner informs me that Mr. Valentine (*Topographical Botany*) found this plant on the moors beyond Chatsworth. Beeton Rod, Hassop "*Gem of the Peak*" (PFD).

1903 Gathered on the high moors about 5 miles S.W. of Sheffield, *Hb. Salt*; On the high moor between Sheffield and Chatsworth, *Pilkington*; Beeton Rod. Hassop, *Gem of the Peak* (Linton).

1910 Roadsides, Sir William Hill (SNC).

Records: 1969 Cupola, near Hathersage 2582; between Grindleford and Hathersage 2680.

(N) **Neottia nidus-avis** (L.) L. C. M. Richard Bird's-nest Orchid
 Old records: 1888 Scholes Wood, Rotherham, G. P. Nicholson in *Herb. Tatham* (LFWY).
 1889 (*Listera Nidus-avis*) Mr. Shore, Meersbrook, 1802 (J. Salt).
 1903 Meersbrook, *Hb. Salt*. Mr. Gibbs opines this to have been probably a garden specimen (Linton).

(N) **Herminium monorchis** (L.) R. Br. Musk Orchid
 Old record: 1889 Longstone Rakes, Hassop. *Gem of the Peak* (PFD).

(N) **Coeloglossum viride** (L.) Hartman Frog Orchid
 Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
 1903 (*Habenaria viridis*) Longstone Moor; near Ashopton Inn; Eyam Moor (Linton).
 1910 Roadsides Sir William Hill (SNC).
 1942 Dirty Rake, above Middleton Dale (Sorby Records).
 1944 Near Grindleford Bridge (Sorby Records).
 Records since 1961: High Rake 2172; Sir William Hill 2278; Calver 2374; Froggatt 2577; Owlver Bar 2978; near Houndkirk and roadside Clarion Hut 2881; Pebley 47.

(N) **Gymnadenia conopsea** (L.) R. Br. Fragrant Orchid
 Old records: 1888 Rotherham District, *L. Langley* (LFWY).
 1903 (*Habenaria conopsea*) Longstone Edge (Linton).
 Records: 1966 Pebley Sand Quarry 4978.
 1969 Longstone Edge 2273.
 1972 Abney 2079 (still present 1986).
 1974 Calver 2374.

(N) **Platanthera chlorantha** (Custer) Reichenb. Greater Butterfly-orchid
 Old records: 1888 (*Habenaria chlorantha*) By Uden (Ewden, two miles south of Middopstones) Lodge in Pennyston Moore, *Mr. Stonehouse, How, Phyt.*, 83, *Merr.*, *Pin.*, 85. This may have been what we now call bifolia Bab. (not then discriminated), as in the moory district at the head of the Don river it is much the most frequent species; Rotherham District, *L. Langley*, 1828; meadows near Aldwarke, *J. Salt* (LFWY).
 1903 (*H. chloroleuca*) Froggatt Edge, Gibbs (Linton).
 Records since 1958: Abney 2079; Highlow 2179; Calver Sough 2374; Calver 2475; Froggatt 2476; Cordwell 3076 and 3176; Totley 3178.

(N) **Platanthera bifolia** (L.) L. C. M. Richard Lesser Butterfly orchid
 Old records: 1888 (*Habenaria bifolia*) Langsett, S.W. of Penistone, 1885, *H. Johnson* (LFWY).
 1889 (*H. bifolia*) Meadows near Aldwarke (J. Salt).

- (N) *Ophrys apifera* Hudson** Bee Orchid
 Old records: 1884 Kiveton (SNC).
 1888 Rotherham District, *L. Langley*, 1828; old quarry below Kiveton, *A. Carr* (LFWY).
 1903 Longstone Edge (Linton).
 Records: 1958 Longstone Edge 2073.
 1965 Pebley Sand Quarry 4978.
 1969 Pebley Pond 4878.
- (N) *Ophrys insectifera* L.** Fly Orchid
 Old records: 1888 (*O. muscifera*) Rotherham District, *L. Langley* (LFWY).
 1903 (*O. muscifera*) Longstone Edge, *Miss Fenton* (Linton).
- (N) *Orchis ustulata* L.** Burnt Orchid, Dark-winged Orchid
 Old records: 1888 Rotherham District, *L. Langley*, 1828 (LFWY).
 1911 Walkley etc. (SNC).
- (N) *Orchis morio* L.** Green-winged Orchid
 Old records: 1888 Rotherham District, *L. Langley*; about Newfield Green, *J. Salt*; Kiveton, *A. Carr* (LFWY).
 1889 Pastures about Newfield Green (*J. Salt*); about Chesterfield, *Waterfall* (PFD).
 1903 About Renishaw, *Waterfall* (Linton).
 1911 Hallam etc. (SNC).
 1942 Troway Valley above Eckington (*J. Brown*).
 Records: 1969 Troway 3980; Ford, near Eckington 4081; Barlborough 4777.
- (N) *Orchis mascula* (L.) L.** Early-purple Orchid
 Old records: 1888 Pastures on the top side of Old Park, *J. Salt*; Fields near Fulwood (LFWY).
 1889 Pastures near the top side of Old Park, Sheffield (*J. Salt*); about Chesterfield, *Waterfall* (PFD).
 1895 Wood near Heeley (NAT).
 1903 About Renishaw, *Waterfall*; wood, near Heeley, *The Naturalist* (Linton).
 Records since 1964: Longstone Edge 2073; Abney 2078; Coombs Dale 2173 and 2274; Highlow 2179; Stoney Middleton 2275; Calver 2474 and 2475; Linacre 3272 and 3472; Tankersley 3398; Ford, near Eckington 4081.

DACTYLORHIZA

Many problems of identification in this genus. Hybridisation occurs, with fertile robust swarms, particularly south and west of the area. Without precise identification these have been included on the Grid Map for *D. fuchsii*.

- (N) **Dactylorhiza maculata** group Spotted Orchid
 Old records: 1882 (*Orchis maculata*) Stoney Middleton (SNC).
 1889 (*O. maculata*) Common throughout the county (PFD); Woods and meadows about Sheffield, frequent (J. Salt).
 1894 (*O. maculata*) Fox House (SNC).
 1910 (*O. maculata*) Rivelin moorland, *E. Snelgrove* (SNC).
 1911 Hallam etc. (SNC).

- (N) **Dactylorhiza fuchsii** (Druce) Soó Common Spotted orchid
 Records: Grid Map No. 343.

- (N) **Dactylorhiza maculata** (L.) Soó ssp. **ericetorum** (Linton) Heath Spotted-orchid
 P. F. Hunt & Summerhayes
 Records: Grid Map No. 344.

- (N) **Dactylorhiza praetermissa** (Druce) Soó Southern Marsh-orchid, Fen Orchid
 Old record: 1903 (*Orchis latifolia*) Totley Moss (Linton).
 Records since 1969: Calver area 2375; Stoke Brook 2475; Froggatt 2476; Owl Bar 2877; East Moor 2971; Leash Fen 2973 and 2974; Owl Bar 2977; Hathersage 2383; Sheepbridge 3774; The Roughs 3184 and 3185; Holbrook 4481; Rother Valley Country Park 4581, and 4682.

- (N) **Anacamptis pyramidalis** (L.) L. C. M. Richard Pyramidal Orchid
 Old records: 1840 (*Orchis pyramidalis*) Near Rotherham (BF).
 1888 (*O. pyramidalis*) Rotherham District, *L. Langley*, 1828 (LFWY).
 1903 (*O. pyramidalis*) Longstone Edge, over 350 yards (Linton).
 Records: 1969 Longstone Edge 2073; Hassop mines 2272.

ARACEAE

- (I) **Acorus calamus** L. Sweet-flag
 Old records: 1888 Norton Fish-ponds, near Sheffield, *H. Baines* (LFWY).
 1889 Gathered at Norton, near Sheffield, in Mr. Samuel Shore's fish pond (J. Salt).
 1903 Cutthorpe, near Chesterfield, *Pilkington*; Norton, *Hb. Salt*; Newbold, *Drabble* (Linton).
 1935 Pools in Ravenfield Park (NWN).
 Records: 1969 Upper Newbold 3573.
 1973 Cutthorpe 3373.
 1975 Green Cheese Pond 3570; Swinton 4699.

- (N) **Arum maculatum** L. Lords-and-Ladies, Cuckoo-pint
 Old records: 1889 Woods and shady places, common (J. Salt).
 1911 Under most of the hedges (SNC).
 Other records Grid Map No. 345.

Arum italicum Miller Italian Lords-and-Ladies, Large Cuckoo Pint
Record: 1969 Naturalised, Whirlow 3283.

(I) **Lysichiton americanus** Yellow Skunk Cabbage
Record: 1980 Limb Valley, planted 3082.

LEMNACEAE

(N) **Lemna polyrhiza** L. Greater Duckweed
Records: 1969 Canal, Renishaw 4378.
1977 and 1983 Blue Man's Bower 4389.

(N) **Lemna triscula** L. Ivy-leaved Duckweed
Records since 1961: Brimington 3974; Richmond Pond 3985; Scholes Pond 3895; Wentworth Pond 3998; Slittingmill Farm 4376; Pebley Pond 4878; Harlethorpe Pond 4976; Treeton 4386; Killamarsh 4581 and 4582; Norwood canal 4681; Killamarsh pool 4780; Kiveton Park 4982; Greasborough Dam 4196; Roundwood Ponds 4596; Mexborough 4899.

(N) **Lemna minor** L. Common Duckweed, Duck's-meat
Old records: 1841 In the pools about Sheffield (Florigraphia Britannica).
1889 About Chesterfield, *Waterfall* (PFD).
1911 Little London, Crookes Moor etc. (SNC).
Other records Grid Map No. 346.

(N) **Lemna gibba** L. Fat Duckweed, Gibbous Duckweed
Old record: 1947 Waterway near Canklow above Rotherham, *J. Brown* (NAT).
Records since 1947: Barlow Ponds 3575; Renishaw Canal 4378; Ford 4080; Birley Spa 4083; Treeton 4288; Nr. Whiston 4389; Norwood 4681; Hepworth Pond 4684; Killamarsh 4781 and 4782; Wentworth Park 4196; Thrybergh 4596 and 4796.

SPARGANIACEAE

(N) **Sparganium erectum** L. Branched Bur-reed
Old records: 1888 (*Sparganium ramosum*) I have seen in situ, or examined, specimens of this from . . . and in the Rother, Sheffield (LFWY).
1889 (*S. ramosum*) About Park Furnace, Sheffield (*J. Salt*); (*S. ramosum*) about Chesterfield, *Waterfall* (PFD).
1894 Near Heeley (SNC).
1903 (*S. ramosum* var. *microcarpum*) East side of Ley's Fen, Old Brampton (Linton).
1911 Carr Brook, and near Brightside (SNC).
Other records Grid Map No. 347.

- (N) **Sparganium emersum** Rehmman (S. simplex) Unbranched Bur-reed
 Old records: 1888 Ditch at Park Furnace, near Sheffield, 1800, *Herb. Salt* (LFWY).
 1889 Gathered in a ditch at Park Furnace, Sheffield, July 1800 (J. Salt); near
 Chesterfield, *Waterfall* (PFD).
 1903 Pond near Bar Brook Hall, Chatsworth; River Rother, near Renishaw,
Waterfall; Eckington (Linton).
 Other records Grid Map No. 348.

- (N) **Sparganium angustifolium** Michx Floating Bur-reed
 Record: 1968 and 1969 Longshaw Lake 2679 (not seen recently).

TYPHACEAE

- (N) **Typha latifolia** L. Bulrush, Cat's-tail, Great Reedmace
 Old records: 1888 Rotherham, A. Carr (LFWY).
 1903 Pebley Pond; between Barlow Lees and Dronfield; Pond in Hassop
 Park; Norton, *Hb. Salt* (Linton).
 Other records Grid Map No. 349.

- (N) **Typha angustifolia** L. Lesser Bulrush, Lesser Reedmace
 Records: 1961 Holbrook 4481, also in 1969 and 1973.
 1969 Pebley Pond 4879.

CYPERACEAE

- (N) **Eriophorum angustifolium** Honckeney Common Cottongrass
 Old records: 1840 Crooks Moor, near Sheffield (BF).
 1888 Ringinglow and Redmires Moors, A. Carr (LFWY).
 1889 Crookes Moor, Sheffield and bogs on high moors S.W. of Sheffield (J.
 Salt).
 1894 Abundant on the moors (SNC).
 1895 Abundant on the moors (NAT).
 1903 Between Fox House Inn and Dore, *The Naturalist*; Grindleford Bridge,
Hb. Mason; near Higgarr Tor, above Hathersage; near the Peacock Inn
 (Linton).
 1910 Rivelin Valley (SNC).
 Other records Grid Map No. 350.

- (N) **Eriophorum latifolium** Hoppe Broad-leaved Cottongrass
 Record: 1977 Corker Walls 2589.

- (N) **Eriophorum vaginatum** L. Hare's-tail Cottongrass
 Old records: 1888 Sheffield Moors near Grindleford Bridge, 1799 *Herb. Salt*; Ringinglow
 Moors and Redmires, A. Carr (LFWY).

1889 Gathered on the High Moors, between 7th and 8th milestones, a little to the left of the road leading from Sheffield to Grindleford Bridge, July 1799 (J. Salt).

1894 Abundant on the moors (SNC).

1895 Abundant on the moors, west of Dore (NAT).

1903 Bamford; Stanage; East Moor, *Glover*; Abundant on the moors west of Dore, *The Naturalist*; White Edge Moor, Grindleford (Linton).

1910 Rivelin Valley (SNC).

1911 East Moor. Near Ringing Lowe (SNC).

Other records Grid Map No. 351.

(N) **Trichophorum cespitosum** (L.) Hartman (*Scirpus caespitosus*) Deergrass

Old records: 1888 Salt 1800. Dry heath, Fulwood (LFWY).

1889 Dry parts of heaths, near Fulwood, Sheffield (J. Salt).

1894 Moors (SNC).

1895 Moors near Sheffield (NAT).

Records since 1966: Owlter Tor 2580; Burbage 2680; Agden Bog 2593.

(N) **Eleocharis acicularis** (L.) Roemer & Schultes Needle Spike-rush,
Slender Spike-rush

Old record: 1953 Harthill Reservoirs, near Kiveton, F. W. Adams (NAT).

Records: Harthill Reservoir 4880; Pebley Pond 4879.

(N) **Eleocharis quinqueflora** (F. X. Hartmann) O. Schwarz (*E. pauciflora*) Few-flowered Spike-rush

Old records: 1840 High Moors 5 miles W. of Sheffield (BF).

1888 (*Scirpus pauciflorus*) Marsh on the high moors near the Smelting Mill, not far from the toll-bar about 5 miles S.W. of Sheffield, 1801 *Herb. Salt* (LFWY).

1889 (*S. pauciflorus*) Marsh on the high moors near the Smelting Mill, not far from the Toll-Bar, about 5 miles S.W. of Sheffield. June 29th. 1801 (J. Salt).

1903 (*S. pauciflorus*) By Umberley Brook, near Chatsworth, about 300 yards (Linton).

Records: 1974 and 1976 Brampton East Moor 2970.

(N) **Eleocharis multicaulis** (Sm.) Desv. Many-stalked Spike-rush

Old records: 1888 (*Scirpus multicaulis*) About the top dams, Redmires, and bogs, Ringinglow, *Amos Carr* (LFWY).

1903 Bogs, Ringinglow (West Yorks. Fl.) on the boundary, probably on the Derbyshire side (Linton).

1910 Redmires, *E. Snelgrove* (SNC).

Record: 1980 Upper Rivelin Dams 2786.

(N) *Eleocharis palustris* (L.) Roemer & Schultes Common Spike-rush, Marsh Clubrush

Old records: 1889 Banks of the river, near Rotherham (J. Salt).

1903 By large pond, Calver; Pebley Pond; Renishaw Canal; Harlesthorne, Clowne; Pool east of Killamarsh; pond at Parkhall, near Barlborough (Linton).

1940 Ewden - Pond in Canyard Hills, S. M. Walters; Ewden Fishpond, S. M. Walters (Sorby Records).

Other records Grid Map No. 352.

(N) *Scirpus sylvaticus* L.

Wood Club-rush

Old records: 1888 Sides of the River Don, a little above Sheffield, J. Salt (LFWY).

1889 Side of the river a little above Sheffield (J. Salt).

1903 Brook below Bubnell Cliff, and under Birchill Bank, Baslow; Quarry Dam, Parkhall Woods, *Waterfall* (Linton).

Records Hassop area 2271; near Pilsley 2370 and 2371; Calver New Bridge 2475; since 1964: High Wood 4678; Barlborough Park 4778; Ford Valley 4280; Killamarsh 4581.

(N) *Schoenoplectus lacustris* (L.) Palla

Common Club-rush, Bulrush

Old records: 1903 (*Scirpus lacustris*) Pebley Pond; Harlesthorne, near Clowne (Linton); Wharmcliffe Deer Ponds (NAT).

Records Renishaw area 4378; Barlborough Park 4778 and 4976; Harthill Reservoir since 1962: 4880; Harlesthorne Pool 4976; Ravenfield Ponds 4995.

(N) *Isolepis setacea* (L.) R. Br. (*Scirpus setaceus*)

Bristle Club-rush, Bristle Scirpus

Old records: 1882 Rivelin Valley (SNC).

1884 Rivelin (SNC).

1888 Near Sheffield, frequent, J. Salt; Bell Hagg, Loxley and Hollow Meadows, A. Carr (LFWY).

1889 Wet sandy ground near Sheffield, frequent (J. Salt).

1903 Swamps about Burbage Edge, 400 yards, C.D.; Hood Brook, Hathersage; Abney Clough; near Hathersage; Barlow Brook, in Cobnar Wood; Harlesthorne, near Clowne; Froggatt (Linton).

1910 Bell Hagg, E. Snelgrove (SNC).

Other records Grid Map No. 353.

(N) *Carex laevigata* Sm.

Smooth-stalked Sedge

Old records: 1878 Wharmcliffe (NAT).

1888 Thickets by moors, Redmires, A. Carr (LFWY).

1889 Near Harwood Grange, Chesterfield, *Sunderland* (PFD).

1894 Bogs near Dore; Owler Bar (SNC).

1895 Bogs near Dore, and Owler Bar (NAT).

1903 Bogs near Dore and Owler Bar, *The Naturalist*; Owler Bar, Gibbs; Froggatt; Hay Wood, Grindleford; Upper Hurst Brook, Bamford; Abney Clough; Burbage Brook; near Hathersage Booths (Linton).

1910 "Sheffield area", *E. Snelgrove* (SNC).

Other records Grid Map No. 354.

(N) **Carex distans** L.

Distant Sedge

Old records: 1854 Between Sheffield and Doncaster (BF).

1889 Marshes on high Moors, near Fulwood, Sheffield (J. Salt).

(N) **Carex hostiana** DC.

Tawny Sedge

Old record: 1903 (*Carex speirostachya*) Umberley Brook, near Chatsworth. Stream by Greave's Piece, near Smeekley Wood (Linton).

Records: 1951 Agden Bog 2593 (Still present 1985).

1969 Hood Brook, Hathersage 2382; Brampton East Moor 2871.

1983 Riverside marsh, Hood Brook 2382.

(N) **Carex binervis** Sm.

Green-ribbed Sedge

Old records: 1903 Stanage Edge; Hathersage, *Hb. Syme* (Linton).

Records since 1963: Below Burbage Bridge 2579; Fox House 2580; Big Moor 2677; Bar Brook 2774; Oaking Clough 2486; Stanage Edge 2582; Burbage 2680; Wyming Brook 2786; Houndkirk Moor 2882; Agden Bridge 2493; Ecclesall Wood 3282 and 3283; Graves Park 3582; Wharncliffe 3196.

(N) **Carex flava** L.

Large Yellow-sedge

Old records: 1884 Rivelin (SNC).

1889 Common in marshy places (J. Salt).

1894 Ewden Valley (SNC).

1903 Hood Brook, Hathersage; Upper Hurst Brook, Bamford; Froggatt; under Birchill Bank, Baslow; Birleyhay, Ford (Linton).

1921 "a curious straight-beaked form on drying mud on ponds at Wentworth (NAT).

(N) **Carex lepidocarpa** Tausch

Long-stalked Yellow-sedge

Record: 1969 Pebley Pond 4878.

(N) **Carex demissa** Hornem.

Common Yellow-sedge

Records: Grid Map No. 355.

(N) **Carex serotina** Méral

Small-fruited Yellow-sedge

Old records: 1878 Lower Bradfield (Bot. Trans. YNU).

1888 By the Loxley, near a dam, Lower Bradfield, A. Carr spn. Prof. C. C. Babington identified this, and certifies to the name (LFWY).

1903 (*C. flava* var. *Oederi*) Umberley Brook, near Chatsworth; above Bamford (Linton).

1910 (*C. Oederi*) "Sheffield area" (SNC).

1940 Marsh by Ewden Fishpond, flowering, S. M. Walters (Sorby Records).

(N) *Carex sylvatica* Hudson

Wood-sedge

Old records: 1840 Parker Spring, near Sheffield (BF).

1884 Endcliffe Wood (SNC).

1888 Scaith Wood, Sheffield, A. Carr - also on flagstone, as is "Parker Spring" (LFWY).

1889 In Old Park Wood, Sheffield, plentiful (J. Salt).

1903 Abney Clough; Linacre Wood, Old Brampton; Monk's Wood, near Sheepbridge (Linton).

1910 "Sheffield area", E. Snelgrove (SNC).

Records since 1969: Abney Clough 2079; Hassop Hall Wood 2172; Bretton Clough 2179; Calver 2475; Stand Wood 2670; near Bamford 2181; near Totley 3078, 3178 and 3179; Linacre 3272; Bannercross Hall 3284; Beauchief 3381; Brimington 4172; Pebley Pond 4978; Revel Wood 4589; Rainborough Park 4099; Hooton Cliff 4997.**(N) *Carex rostrata* Stokes**

Bottle Sedge, Beaked Sedge

Old records: 1903 East Side of Ley's Fen, Old Brampton; Barbrook, above Baslow; (var. *latifolia*) Farlow Paddocks, between Baslow and Hassop, Bailey (Linton).**Records since 1963:** Baslow Edge 2673; Longshaw Lake 2679; Chatsworth 2770; Bar Brook 2777; Umberley Brook 2871; Leash Fen 2874 and 2973; Corker Walls 2589; Upper Rivelin Dam 2786; Ravenfield Park 4896.**(N) *Carex vesicaria* L.**

Bladder-sedge

Old records: 1888 About Jordan Dam, J. Salt; By the River Rother, A. Carr; (var. *pendulina*) marsh, by the Rother, A. Carr, spn. (LFWY).

1889 Marsh near Jordan Dam, below Sheffield (J. Salt).

1911 Marsh at Aldwarke (NAT).

1940 Pond in Park Hall Woods, near Barlborough, J. Brown (Sorby Records).

1947 Harthill Ponds, J. Brown (Sorby Records).

Records since 1969: Bretton Clough 2078; Longshaw 2578; Linacre Reservoir 3272; Foxstone Dam 4277; Pebley Pond 4878.**(N) *Carex riparia* Curtis**

Greater Pond-sedge

Old records: 1888 "Banks of rivers", J. Salt. I suspect he included *C. paludosa*, which, although much commoner, he does not name in *Flora Sheffieldiensis* (LFWY).

1889 Banks of rivers (J. Salt).

1903 Harlethorpe, near Clowne (Linton).

Records since 1974: Killamarsh Canal 4681; Dog Kennel Pond 4096; Wentworth Park 4196.

- (N) **Carex acutiformis** Ehrh. Lesser Pond-sedge
 Old records: 1888 (*Carex paludosa*) By the Kiveton Canal, A. Carr (LFWY).
 1903 Pond near Barbrook Hall, Chatsworth; under Birchill Bank, Baslow;
 Canal-side north of Chesterfield; Pebley Pond (Linton).
 1910 Rotherham (SNC).
 Records since 1961: Abney Clough 2079; Hassop Hall 2171; Hassop 2271; near Pilsley 2371;
 Calver bog 2375; near Grindleford 2477; Hathersage 2380; Brookfield
 Manor Pond 2382; Pebley Pond 4878; Holbrook 4481; Wentworth 4096;
 Firsby Reservoir 4995.

- (N) **Carex pendula** Hudson Pendulous Sedge
 Old records: 1881 "Sheffield" (NAT).
 1882 Rivelin Valley (SNC).
 1888 Roscoe Wood bottom, Sheffield, some examples over 8 feet in length,
 A. Carr; in the canal between Kiveton and Shireoaks, Amos Carr
 (LFWY).
 1940 Rivelin Valley, A. E. Bradley (NAT).
 1941 Rivelin Valley, A. E. Bradley (LFWY Supp.).
 Other records Grid Map No. 356.

- (N) **Carex strigosa** Hudson Thin-spiked Wood-sedge
 Old records: 1888 "In a wood called Parker Spring, Sheffield", J. Salt. Perhaps an error, a
 specimen of *Carex sylvatica* is in *Herb. Salt*, with above locality, but
 none of *Carex strigosa* (LFWY).
 1889 In a wood called Parker Spring, Sheffield (J. Salt).
 1931 Ecclesall Wood, J. M. Brown (NAT).
 1940 Ecclesall Wood, Sheffield, J. M. Brown (NAT).
 1941 Ecclesall Wood, Sheffield, 1931, J. M. Brown (LFWY Supp.).

- (N) **Carex pallescens** L. Pale Sedge
 Old records: 1888 Between Sheffield and Norton, J. Salt (LFWY).
 1889 Gathered between Heeley and Norton Lees, near Sheffield, by the
 footpath, 1798 (J. Salt).
 1903 Between Heeley and Norton Lees, Hb. Salt (Linton).
 1946 Marshy ground near Froggatt Bridge, J. Brown (Sorby Records).
 Records since 1967: Bretton Clough 2179; Calver 2475; Highlow Brook 2280; Riverside marsh
 2382; Hood Brook 2383; Cordwell 3076; Totley 3078, 3178; Wadshelf
 3271; near Lightwood Lane and Moss Valley 3880.

- (N) **Carex panicea** L. Carnation Sedge, Carnation Grass
 Old records: 1840 Jordan Dam, near Sheffield (BF).
 1882 Stoney Middleton (SNC).
 1888 Salt, 1800 "Jordan Dam" (LFWY).

1889 Moist pastures at Newfield Green, near Sheffield, May 1801 (J. Salt).
1894 Blackbrook, Rivelin; Ecclesall Wood (SNC).
Other records Grid Map No. 357.

(N) **Carex limosa** L. Bog-sedge, Mud Sedge
Old record: 1888 Bog near Wortley; *Payne's MS. Deame Flora*. Perhaps an error (LFWY).

(N) **Carex flacca** Schreber Glaucous Sedge, Carnation-grass
Old records: 1882 Rivelin Valley (SNC).
1889 (*Carex glauca*) Moist meadows, common (J. Salt).
Other records Grid Map No. 358.

(N) **Carex hirta** L. Hairy Sedge, Hammer Sedge
Old records: 1889 Near Clowne, *Waterfall* (PFD).
Other records Grid Map No. 359.

(N) **Carex pilulifera** L. Pill Sedge
Old records: 1884 Rivelin (SNC).
1888 Thomcliffe, Redmires, Crookes etc., A. Carr; common about Sheffield, J. Salt (LFWY).
1889 On moist heaths, common (J. Salt).
1903 Middleton Dale, Carr, B. L. Rec. 1881-2, 233 (Linton).
Records since 1962: Coombs Dale 2274; near Grindleford 2376; Padley 2479; Leash Fen 2974; Surprise Gap 2480; Near Owlter Tor 2580; Clarion Hut 2882; Agden 2493; near Totley 3078; Ecclesall Wood 3282; Wharnccliffe 3196; Westwood 3398; Wentworth 4196.

(N) **Carex caryophyllea** Latourr. Spring-sedge
Old record: 1889 (*Carex praecox*) On wet heaths, common (J. Salt).
Records since 1969: Longstone Edge 2073; Abney Clough 2079; Bretton Clough 2179; Coombs Dale 2274; Sir William Hill 2278; near Pilsley 2371; Calver 2374; Calver Sough 2475; near Bamford 2181; Fox House 2680; Wortley Station 2999; Totley 3178; Bradway 3379; The Roughs 3185; Ford, near Eckington 4081.

(N) **Carex digitata** L. Fingered Sedge
Records: 1944 Coombs Dale 2274 - still present 1987.

(N) **Carex elata** All. Tufted-sedge
Old records: 1840 (*Carex coespitosa*) Woods near Sheffield (BF).
1888 (*C. stricta*) Pool near the Rother, A. Carr (LFWY).
1889 (*C. stricta*) Marshes near Treeton, near Rotherham; (*C. caespitosa*) Marshes near Jordan Dam, Sheffield (J. Salt).

- (N) **Carex acuta** L. Slender Tufted-sedge
 Old records: 1882 Rivelin Valley (SNC).
 1888 By the Rother, A. Carr (LFWY).
 1910 Rotherham (SNC).
 1911 Marsh at Aldwarke (NAT).
 Record: 1969 Lakeside, Renishaw 4478.
- (N) **Carex nigra** (L.) Reichard Common Sedge
 Old records: 1882 (*Carex vulgaris*) Rivelin Valley (SNC).
 1894 (*C. goodenowii*) Ewden Valley (SNC).
 1895 (*C. goodenowii*) Bogs on Moors near Dore (NAT).
 1903 (*C. goodenowii*) A large robust form occurs at Pebley Pond,
 Barlborough; (var. *juncella*) abundant on Bamford Moor; White Edge
 Moss, Grindleford; Totley Moss (Linton).
 Other records Grid Map No. 360.
- (N) **Carex paniculata** L. Greater Tussock-sedge, Panicked Sedge
 Old records: 1888 Marsh by the River Rother, A. Carr (LFWY).
 1889 Banks of Renishaw Canal, about Chesterfield, *Waterfall* (PFD).
 1903 Bar Brook, and under Birchill Bank, near Baslow; ponds, Chatsworth;
 banks of Renishaw Canal, *Waterfall* (Linton).
 1940 Ewden Fishpond, marsh by, S. M. Walters (Sorby Records).
 Records since 1969: Hassop 2271; Big Moor 2674; Bar Brook 2777; Leash Fen 2874, 2973 and
 2974; Corker Walls 2589; Fox House 2680; Redmires 2685; Brierley Wood
 3775; Brimington 3974; Staveley 4475; Chapelwheel Dam 4479; Killamarsh
 4582; Swallow Mills Pond 4788.
- (N) **Carex otrubae** Podp. False Fox-sedge
 Records: Grid Map No. 361.
- (N) **Carex axillaris** Good., non L. (*C. otrubae* x *C. remota*)
 Old record: 1888 Canal side, Swinton, H. Johnson (LFWY).
- (N) **Carex vulpina** L. True Fox-sedge
 Old records: 1889 Banks of the river, near Rotherham (J. Salt).
 1911 Marsh at Aldwarke (NAT).
- (N) **Carex disticha** Hudson Brown Sedge
 Old record: 1942 Marshy field by the R. Porter in Whitley Wood, J. Brown (Sorby
 Records).
 Records since 1970: Near Pilsley 2371; Porter Clough 2984 and 3084; Thrybergh 4796 (extinct).
- (N) **Carex arenaria** L. Sand Sedge
 Record: 1985 Railway ballast, Tinsley 3990.

(N) **Carex divulsa** Stokes

Grey Sedge

Old record: 1888 Scaith Lane, near Sheffield, A. Carr (LFWY).

Record: 1966 ssp. *leersii* (Kneucker) Walo Koch - (*Carex polyphylla*) Coombs Dale 2274 (Still present 1984).

(N) **Carex muricata** L.

Prickly-sedge

Old records: 1881 "Sheffield" (NAT).

1888 Crookes Moor, Sheffield, A. Carr (LFWY).

1903 Under Birchill Bank, Baslow; Bolsover (Linton).

Records since 1969: Longstone Edge 2373; Calver bog 2375.

(N) **Carex spicata** Hudson (C. *contigua*)

Spiked Sedge

Records since 1969: Hassop 2370; Calver Sough 2375; near Froggatt 2475 and 2476; Baslow

2672; Beauchief 3381; Crookes Valley Park 3387; Royal Infirmary 3488;

Staveley 4275; Pebley Pond 4878; Beighton Ponds 4483; Norwood 4782;

Bow Bridge 4292; Listerdale 4792; Thrybergh 4795 and 4796; Firsby 4995.

(N) **Carex elongata** L.

Elongated Sedge

Old records: 1840 Near the River Don below Sheffield (BF).

1841 Marshes, rare. Aldwarke, near Sheffield, Yorkshire (Florigraphia Britannica).

1854 Still occurs at the original locality, near Rotherham (BF).

1888 Marshy place at Aldwarke on the River Don, below Sheffield, J. Salt, 1803; Aldwarke, marshy field near Don river, between the river and the rise of the land towards Aldwarke, a small erection like a bath near to it. There in 1845, J. Hardy; I sought it in vain in 1874-6, and am told the marsh is much contracted from what it used to be. A. Carr, 1876 (LFWY).

1889 Gathered in a marsh a little below Aldwarke Corn Mill, on the same side of the river as the mill, 1801. Now first discovered to be a native of Britain (J. Salt).

1911 Marsh at Aldwarke (NAT).

(N) **Carex echinata** Murray

Star Sedge

Old records: 1888 (*Carex stellulata*) "Near Kiveton", A. Carr (LFWY).

1889 (*C. stellulata*) On Crookesmoor, Sheffield, in marshy places (J. Salt).

1894 Moors around Sheffield (SNC).

1895 Moors near Sheffield (NAT).

1903 Above Barnford; Froggatt; Hood Brook, Hathersage; Burbage Brook; Umberley Brook, near Chatsworth (Linton).

Other records Grid Map No. 362.

(N) *Carex remota* L.

Remote Sedge

Old records: 1882 Rivelin Valley (SNC).

1888 *Salt*, 1800 "Parker Spring" (LFWY).

1889 Wood called Parker Spring, Sheffield (J. Salt).

1903 Hood Brook, Hathersage; Harlesthorne, near Clowne; Umberley Brook, near Chatsworth; Froggatt; Renishaw Canal, *Waterfall*; Woods north east of Coal Aston; Birleyhay, Ford; Sheepbridge; east of Totley; Bolsover; pond, Parkhall, near Barlborough (Linton).

Other records Grid Map No. 363.

(N) *Carex curta* Good.

White Sedge

Old records: 1888 Near Aldwarke by River Don, *J. Hardy*; lane near Oughtibridge; bog near Redmires Dams, *A. Carr* (LFWY).

1889 Gathered in a marsh a little below Aldwarke Corn Mill, 1801 (J. Salt).

1903 Above Bamford; Redcar Brook, above Dore; stream besides Greave's Piece, near the Peacock Inn (Linton).

1910 "Sheffield area", *E. Snelgrove* (SNC).

Records since 1964: Big Moor 2674; Totley Moss 2778 and 2878; Leash Fen 2874 and 2973; Ramsley Moor 2975; Moscar Moor 2185; Hallam Moors 2386; Oaking Clough 2486; Fox House 2580; Blackamoor 2780; Aldwarke 2880; Houndkirk 2882; Agden Bog 2593; Wharmcliffe 3196.

(N) *Carex ovalis* Good.

Oval Sedge

Old records: 1888 *Salt*, 1800 "Crooks Moor" (LFWY).

1889 Near the reservoirs on Crookesmoor, Sheffield (J. Salt); about Chesterfield, *Waterfall* (PFD).

Other records Grid Map No. 364.

(N) *Carex pulicaris* L.

Flea Sedge

Old records: 1882 Stony Middleton (SNC).

1888 Crooks Moor, *J. Salt* (LFWY).

1889 On Crookesmoor, Sheffield; in marshy places (J. Salt).

1903 Bamford; Burbage Brook; Stanage; Bechagg Wood Froggatt; Umberley Brook, near Chatsworth; Redcar Brook, above Dore; Totley Moss (Linton).

Records since 1944: Abney Clough 2079; Big Moor 2577; Windley stream 2678; Bar Brook 2777; Brampton East Moor 2870; Jarvis Clough 2186; Stanage 2384; near Millstone Inn 2480; Corker Walls 2589; Rivelin 2687; Agden bog 2593; Totley Brook 3078; near Totley Rise 3178.

(N) *Carex dioica* L.

Dioecious Sedge

Old records: 1888 Crookes, Cliff Rocher and Wadsley Common, *A. Carr* (LFWY).

1903 Umberley Brook, near Chatsworth (Linton).

Records: 1969 Brampton East Moor 2871.
 1974 Brampton East Moor 2870.
 1977 Brampton East Moor 2970.

GRAMINEAE

(N) **Festuca pratensis** Hudson Meadow Fescue
 Old records: 1889 Common in meadows (J. Salt).
 1903 (*Festuca elatior*) By the canal, north of Chesterfield (Linton).
 Other records Grid Map No. 365.

(N) **Festuca arundinacea** Schreber Tall Fescue
 Records Coombs Dale 2274; Calver 2375; The Dale 2491; Low Bradfield 2691;
 since 1969: Dungworth 2790; Unthank 3176; Totley 3179; Sheffield Canal 3888;
 Wharncliffe 3197; Platts Farm 4388; Rotherham Canal 4092;
 Templeborough 4192; Greasborough 4195; Dalton 4694; Silver Wood 4794.

(N) **Festuca gigantea** (L.) Vill. Giant Fescue, Tall Brome
 Old records: 1888 (*Bromus giganteus*) Sheffield, frequent, J. Salt; Rose Wood, Old Park
 Wood etc., Amos Carr (LFWY).
 1889 Old Park Woods, Sheffield; Common in low and shady places (J. Salt).
 1894 (*B. giganteus*) Near Norton (SNC).
 1895 (*B. giganteus*) Woods near Norton (NAT).
 1903 (*B. giganteus*) Bubnell, Baslow; Hathersage; Froggatt; Westthorpe;
 Woods N.E. of Coal Aston; Sheepbridge; Wood by Pebley Pond,
 Barlborough; The Moss, Mosbrough; by pool east of Killamarsh
 (Linton).
 Other records Grid Map No. 366.

(N) **Festuca altissima** All. Wood Fescue
 Old record: 1889 (*Festuca silvatica*) In Old Park Wood, Sheffield, plentiful; woods and
 shady places, common (J. Salt).
 1970 Little Matlock Wood (NAT).
 Records: 1968, 1975 and 1976 Little Matlock Wood 3089 (Still present 1987).
 1973 Fulwood 3286.

(N) **Festuca rubra** L. Red Fescue
 Records: Grid Map No. 367.

(N) **Festuca ovina** L. Sheep's-fescue
 Old records: 1888 *Herb. Salt* 1799 "Crooksmoor" (LFWY).
 1889 Crookes Moor, Sheffield, 1799 (J. Salt).
 1903 (var. *glauca*) Longstone Edge (Linton).
 Other records Grid Map No. 368.

- Festuca trachyphylla** (Hackel) Krajina (*F. longifolia*) Hard Fescue
 Old record: 1889 (*Festuca duriuscula*, var. *rubra*) Low meadows and dry places (J. Salt).
- (N) **x Festulolium loliaceum** (Hudson) P. Fourm Hybrid Fescue
 (*Festuca pratensis* x *Lolium perenne*)
 Old record: 1889 (*Festuca loliacea*) Fields between Sheffield and Grimesthorpe (J. Salt).
 Records: 1969 Pebley Pond 4879; roadside, Dore Moor Inn 2982.
 1974 Lightwood 3782; Hathersage 2380.
 1984 Carr Bridge 2984.
 1985 Calver 2375; Tinsley 4091.
- (N) **Lolium perenne** L. ssp. *perenne* Perennial Rye-grass
 Old records: 1888 Salt, 1800 (LFWY).
 1889 Very common (J. Salt).
 1894 Norton Lees (SNC).
 Other records Grid Map No. 369.
- (I) **Lolium perenne** L. ssp. *multiflorum* (Lam.) Husnot Italian Rye-grass
 Old records: 1903 (*Lolium perenne* var. *italicum*) Near the Rother, Renishaw (Linton).
 1945 Rubbish dump, Arbourthorne (J. Brown).
 Other records Grid Map No. 370.
- (I) **Lolium temulentum** L. Darnel
 Old records: 1889 Barley field at Shortley Hall, near Sheffield, 1807 (J. Salt).
 1947 Arbourthorne (J. Brown).
 1953 Edge of garden path, Sharrow, Sheffield, F. W. Adams (NAT).
- (N) **Vulpia bromoides** (L.) S. F. Gray Squirreltail Fescue, Barren Fescue
 Old records: 1882 (*Festuca bromoides*) Rivelin Valley (SNC).
 1888 (*F. sciuroides*) Near Sheffield, J. Salt (LFWY).
 1889 Sandy ground, near Sheffield (J. Salt).
 Records since 1973: Stocksbridge 2699; Dronfield 3479; Chesterfield 3971; Totley Rise 3280;
 Wharncliffe Tip 3995; Rainborough Park 3999; Woodhouse Mill 4386; Blue
 Man's Bower 4389; Fitzwilliam Canal 4394.
- (N) **Vulpia myuros** (L.) C. C. Gmelin Rat's-tail Fescue
 Records since 1975: Bamford 2082; Hathersage 2380; Chesterfield 3871 and 3971; Brimington
 3973 and 4074; Napier Street 3486; Effingham Street 3688; Duckmanton
 4270; Poolsbrook 4373; Woodhouse Mill 4386; Thrybergh Bridge 4596;
 Kilnhurst 4698.
- (I) **Vulpia ciliata** Link ssp. *ambigua* Bearded Fescue
 (Le Gall) Stace & Auquier (*Vulpia ambigua*)
 Records: 1979 Woodhouse Mill 4386.

1985 Orgreave 48.
1987 Near Park Square 3587.

(N) **Desmazeria rigida** (L.) Tutin (Catapodium rigidum and Poa rigida) Fern-grass,
Hard Poa

Old records: 1888 (Sclerochloa rigida) Rotherham, *L. Langley*, 1828; near the Rivelin
Paper Mills, *A. Carr* (LFWY).

1910 "Sheffield area", *E. Snelgrove* (SNC).

Records: 1969 and 1973 Middleton Dale 2175.

1969/74 Sheepbridge 3774.

1975 Staveley 4074.

1985 Archer road 3383.

(N) **Poa annua** L. Annual Meadow-grass

Old record: 1889 by the sides of paths, very common (*J. Salt*).

Other records Grid Map No. 371.

(N) **Poa nemoralis** L. Wood Meadow-grass

Old records: 1888 Between Brightside and Blackburn Forge, *Herb. Salt*; Parker Spring
Wood, Sheffield, *Amos Carr* (LFWY).

1889 Between Brightside and Blackburn Forge, Sheffield (*J. Salt*).

1910 "Sheffield area", *E. Snelgrove* (SNC).

Records since 1969: Fox Hagg 2886; Mayfields 2984; Rowel Dam 2989; Coumes Vale 2993; near
Unthank 3176; Rivelin 3087; Limb Valley 3182; The Roughs 3185; Ecclesall
Wood 3282; Beauchief 3381; Brincliffe Edge 3384; Oaks Park 3682; Birley
Edge 3293; Grenoside 3394; Bell Wood, Tankersley 3599; Rainborough
Park 3999; Ford Valley 48; Revel Wood 4589; Rawmarsh 4396; Bluebell
Wood 4396; Hooton Roberts 4896.

(N) **Poa compressa** L. Flattened Meadow-grass

Old records: 1888 near the reservoirs on Crooks Moor, Sheffield, *J. Salt* (LFWY).

1889 Near the reservoirs on Crookes Moor, Sheffield (*J. Salt*).

1903 Barlborough (Linton).

1947 By the bridge over Redcarr Brooke, near Dore (*J. Brown*).

Records since 1969: Sheepbridge 3675; Dore 3081; Staveley 4074; Renishaw 4578; Froggatt
Wood 4987.

(N) **Poa pratensis** L. Smooth Meadow-grass

Old records: 1888 It stands recorded for Crooks Moor, Sheffield (LFWY).

1889 About Chesterfield, *Waterfall* (PFD); Common in meadows (*J. Salt*);
(var. *subcoerulea*) the uppermost reservoir at Crookes Moor, Sheffield
(*J. Salt*).

Other records Grid Map No. 372.

Poa angustifolia L.

Narrow-leaved Meadow-grass

Records: 1969 Pebley Pond 4978.
1974/79 Totley 3280.

(N) Poa trivialis L.

Rough Meadow-grass

Old record: 1889 In moist meadows and sides of ditches, common (J. Salt).
Other records Grid Map No. 373.

(N) Puccinellia distans (Jacq.) Parl.

Reflexed Saltmarsh-grass, Reflexed Poa

Old records: 1841 (*Poa distans*) Near Rotherham. Attercliffe, near Sheffield (Florigraphia Britannica).
1888 (*Sclerochloa distans*) About London Rd. Station, Sheffield, *G. E. Smith, A. Carr*; between Sheffield and Rotherham, *J. Salt*; Hooton Roberts, August 1838, *Joseph Woods MS.* in *Towns O.B.G.* (LFWY).
1889 (*Glyceria distans*) between Sheffield and Rotherham (*J. Salt*).
Records since 1972: Near Fox House 2679 and 2780; Meersbrook 3683, 3684 and 3981; Oxcroft 4773; Orgreave 4286; Eckington 4380; Platts Farm flash 4388; Whiston 4489; Rother Valley Country Park 4582; Ulley 4587; Norwood 4682; Woodall 4880; Kiveton Park 4982; Near Thurcroft 4990.

(N) Dactylis glomerata L.

Cock's-foot

Old records: 1889 Common in meadows (*J. Salt*).
1894 Holmesfield, common (*SNC*).
Other records Grid Map No. 374.

(N) Cynosurus cristatus L.

Crested Dog's-tail

Old record: 1889 Meadows and pastures, frequent (*J. Salt*).
Other records Grid Map No. 375.

(I) Cynosurus echinatus L.

Rough Dog's-tail

Old record: 1951 Rubbish dump, Arbourthorne, Sheffield, *J. Brown* (NAT).

(N) Catabrosa aquatica (L.) Beauv.

Whorl-grass

Old record: 1888 Near Ecclesfield and Wadsley Bridge, *A. Carr* (LFWY).

(N) Apera spica-venti (L.) Beauv.

Loose Silky-bent, Silky Apera

Records: 1969/1976 Sheepbridge 3774.
1987 Near Park Square 3587.

Apera interrupta (L.) Beauv.

Dense Silky-bent, Breckland Bent

Records: 1974 Sheepbridge 3774.
1975 Brimington 4074.
1985 Beighton 4484.
1987 Broomhall 3587.

- (N) **Briza media** L. Quaking-grass, Doddering Dillies
 Old records: 1889 Very common in pastures (J. Salt).
 1940 Marsh, Ewden Fishpond, S. M. Walters (Sorby Records).
 Other records Grid Map No. 376.
- (N) **Melica uniflora** Retz. Wood Melick
 Old records: 1882 Rivelin Valley (SNC).
 1889 Gathered in Old Park Woods, Sheffield; and hedges, frequent (J. Salt);
 about Chesterfield, *Waterfall* (PFD).
 1894 Harvey Clough (SNC).
 1895 Whirlow Bridge, Eckington, near Heeley (NAT).
 1910 "Sheffield area", E. Snelgrove (SNC).
 Other records Grid Map No. 377.
- (N) **Melica nutans** L. Mountain Melick
 Old records: 1888 Rotherham District, L. Langley, 1828 (LFWY).
 1889 Norton, near Sheffield (J. Salt).
 Record: 1969 Coombs Dale 2274.
- (N) **Glyceria fluitans** (L.) R. Br. Floating Sweet-grass, Flote-grass
 Old records: 1889 Museum specimen labelled *Festuca fluitans*, common in wet ditches (J. Salt).
 1911 Marsh at Aldwarke (NAT).
 Other records Grid Map No. 378.
- (N) **Glyceria plicata** Fries Plicate Sweet-grass
 Old record: 1903 Barlborough Low Common (Linton).
 Records since 1969: Near Pilsley 2371; Calver New Bridge 2574; Broadhay Farm 2280; Redmires 2585; Strines 2290; Underbank Reservoir 2499; Dunstan Farm 3279; Totley Bents 3080; Little Matlock 3089; Beeley Wood 3182; Whamcliffe 3197; Scholes 3995; Wales 4782; Pennyholme 4982; Dog Kennel Pond 4096; Gibbing Greave Wood 4592; Kilnhurst Bridge 4697; Thrybergh 4795 & 4796; Ravenfield 4895 and 4995.
- (N) **Glyceria x pedicellata** Townsend (G. fluitans x G. plicata) Hybrid Sweet-grass
 Old record: 1903 By large pool at Calver (Linton).
 Record: 1969 Brierley Wood 3775.
- (N) **Glyceria declinata** Bréb. Small Sweet-grass, Glauous Sweet-grass
 Old record: 1953 Rivelin Valley, F. W. Adams (NAT).
 Records since 1969: Bretton Clough 2078; Abney Clough 2079; Baslow 2572; Owl Bar 2978; Highlow 2280; Porter Clough 2984; Thomseat 2492; near Totley 3178; Johnnygate 3275; The Roughs 3185; Roe Wood 3590; Oxcroft 4773; Rotherham 4093; Dog Kennel Pond 4096; Wentworth 4196; Wath Abdy Farm 4498.

- (N) **Glyceria maxima** (Hartman) Holmberg Reed Sweet-grass, Great Water Grass
 Old records: 1888 (*Glyceria aquatica*) Aldwarke and Tinsley, Amos Carr; Kiveton Canal, Amos Carr (LFWY).
 1889 (*G. aquatica*) Near Renishaw, about Chesterfield, *Waterfall* (PFD).
 Other records Grid Map No. 379.
- (N) **Bromus sterilis** L. (*Anisantha sterilis*) Barren Brome
 Old record: 1889 Roadsides between Sheffield, Ecclesfield, and Rotherham, very common (J. Salt).
 Other records Grid Map No. 380.
- (N) **Bromus erectus** Hudson (*Zerna erecta*) Upright Brome
 Old records: 1903 Barlborough; Bolsover (Linton).
 Records since 1966: Donkey Racecourse, Chesterfield 3672; Rainborough Park 3999; Spinkhill 4678; Clowne 4875; Pebley Pond 4878; Near Clowne 4975; Pebley Sand Quarry 4978; Killamarsh 4481; Whiston 4489; Hooton Roberts 4997.
- (N) **Bromus ramosus** Hudson (*Zerna ramosa*) Hairy-brome
 Old record: 1889 (*Bromus asper*) Old Park, Sheffield (J. Salt).
 Other records Grid Map No. 381.
- (N) **Bromus hordeaceus** L. (*B. mollis*) Soft-brome, Lop-grass
 Old record: 1889 (*B. mollis*) In meadows and pastures, common (J. Salt).
 Other records Grid Map No. 382.
- Bromus lepidus** Holmberg Slender Soft-brome
 Records: 1972 Johnnnygate 3275.
 1978 Hooper/Street 4098.
- (N) **Bromus commutatus** Schrader Meadow Brome
 Old record: 1894 Norton Lees (SNC).
- (I) **Bromus inermis** Leysser Hungarian Brome, Awnless Brome
 Record: 1974-1979 Staveley 4375.
- (I) **Bromus secalinus** L. Rye Brome
 Old records: 1946 Oatfield at Hollow Meadows, John Brown (NAT).
 1947 Field of cultivated oats, upper Rivelin Valley, J. Brown (Sorby Records).
 Record: 1985 Parkwood Springs 3489.
- (I) **Bromus pseudosecalinus** P.M.Sm.
 Record: 1987 Between Bamford and Hathersage 2181.

(N) **Brachypodium sylvaticum** (Hudson) Beauv. False Brome

Old records: 1888 Old Park, Sheffield, *J. Salt*; Wentworth, Ecclesfield, Handsworth etc.,
Amos Carr (LFWY).

1894 Abbeydale (SNC).

1947 Woodland near Pebley Pond, Barlborough, *J. Brown* (Sorby Records).

Other records Grid Map No. 383.

(N) **Brachypodium pinnatum** (L.) Beauv. Tor-grass, Heath False-brome

Old records: 1903 Westthorpe; Barlborough Low Common; has spread to these localities
from the neighbouring Permian. Noticed at Bolsover, Clowne (Linton).

1947 Occurs occasionally off the limestone as at (H)Ulley, and Whiston on
Rotherham Red Rock, *J. Brown* (Sorby Records).

Records Calver Sough 2475; Near Fox House 2679; Oxcroft 4673; Clowne 4875;
since 1966: Pebley Pond 4878; Pebley Sand Quarry 4978; Woodall Lane 4880;
Mexborough 4899; Hooton Cliff 4997.

(N) **Leymus arenarius** (L.) Hochst. (*Elymus arenarius*) Lyme-grass

Records: 1969 Near Froggatt 2476; Rotherham, canal bank 4091.

1985 Roadside, Cowley bottom 3477.

(N) **Elymus caninus** (L.) L. (*Agropyron caninum*) Bearded Couch

Old records: 1888 (*Triticum caninum*) Near Sheffield, *G. Harison*, *A. Carr* etc. (LFWY).

1903 The Moss, Mosbrough; woods near Coal Aston; Sheepbridge; by Pebley
Pond; Bolsover; Harlethorpe, near Clowne (Linton).

Other records Grid Map No. 384.

(N) **Elymus repens** (L.) Gould (*Agropyron repens*) Common Couch,
Scutch, Couch-grass, Twitch

Old records: 1889 (*Triticum repens*) Very common (*J. Salt*).

1903 Linacre Wood, Old Brampton; Bolsover; Clowne; Hathersage; east of
Totley (Linton).

Other records Grid Map No. 385.

(N) **Elymus farctus** (Viv.) Melderis (*Agropyron junceiforme*) Sand Couch

Old record: 1889 (*Triticum junceum*) Given to Mr. Salt by Mrs. Samuel Shore of Norton,
near Sheffield, 1799 (*J. Salt*).

(I) **Triticum aestivum** L. Wheat

Records Near Totley Rise 3178; Fitzalan Square 3587; Meersbrook Tip 3683;
since 1972: Grimesthorpe 3789; Treeton 4386.

(N) **Hordeum secalinum** Schreber Meadow Barley

Old record: 1888 (*Hordeum pratense*) By the roadside between Rotherham and Maltby,
1796 *Herb. Salt* (LFWY).

Records Totley 3179; Abbeydale 3281; Sheffield 3587; Barlborough 4676;
since 1969: Wentworth 4196.

(N) *Hordeum murinum* L.

Wall Barley

Old records: 1888 Masborough, *W. W. Newbould* (LFWY).

1889 Top of Broad Lane, Sheffield, by Mr. Hodgson's, 1825 (J. Salt).

Other records Grid Map No. 386.

(I) *Hordeum jubatum* L.

Foxtail Barley

Old records: 1945 This alien occurred on rubbish dump at Arbourthorne, Sheffield. Det. C. E. Hubbard. *J. Brown* (Sorby Records).

Records Calver 2375; Houndkirk Moor 2881; Parkway, Manor 3986; Near Pebley
since 1973: 4779; Eckington 4380.

(I) *Hordeum vulgare* L.

Barley

Records Near Totley 3179; Lees Hall Tip 3684; Lightwood 3882; Staveley 4276;
since 1972: Treeton 4386; near Ulley 4588; Todwick 4985.

(N) *Hordelymus europaeus* (L.) Harz

Wood Barley

Old records: 1840 Old Park Wood, near Sheffield (BF).

1888 (*Hordeum sylvaticum*) In Old Park, at the top corner, next Cooke Wood, Sheffield, 1799, *Herb. Salt* (LFWY).

1889 (*H. europaeum*) gathered in Old Park at the top corner next to Cooke Wood, near Sheffield, July 1799 (J. Salt).

Records Porter Clough 2984; Linacre 3272 and 3372; Lee Bridge 3475; near Cowley
since 1969: 3477; Galley's Wood 3381; near Coal Aston 3780; Lightwood area 3881 and 3882; Carter Hall 3881; Spinkhill 4678; Pebley 4978 and 4880.

(I) *Avena fatua* L.

Wild-oat

Old records: 1888 Near Brinsworth, *Amos Carr* (LFWY).

1889 Garden of Samuel Shore, Norton, near Sheffield, 1803 (J. Salt).

1946 Newly ploughed field, Bolsterstone, Ewden Valley (NAT).

Records Near Totley 3179; near Barlow 3375; Beauchief 3381; Grimesthorpe area
since 1969: 3789; Carter Hall 3981; Birley 3292; Harthill Pond 4879; Pebley Pond 4978; Parkway 4086; Brookhouse 4583; Great Royds Moor 4689; Norwood Ponds 4781; Dog Kennel Pond 4096; Greasborough Dam 4196; Thrybergh 4695; near Thurcroft 4990.

(I) *Avena sativa* L.

Oat

Records Near Barlow 3375; Parkwood Springs 3489; Beaver Hill 4185; Treeton 4386.
since 1972:

(N) *Avenula pratensis* (L.) Dumort. (*Helictotrichon pratense*)

Meadow Oat-grass

Old record: 1889 (*Avena pratensis*) By the side of Middleton Dale, Derbyshire, July 1799 (J. Salt).

Records Middleton Dale 2175; Coombs Dale 2274; Calver 2374; near Totley 3179;
since 1969: Hooton Roberts 4997.

(N) **Avenula pubescens** (Hudson) Dumort. (*Helictotrichon pubescens*)

Downy Oat-grass, Hairy Oat

Records Disused railway line 2170; Middleton Dale 2175; Coombs Dale 2274; Sir
since 1972: William Hill 2278; Calver 2374; Calver Sough 2475; Froggatt Edge 2577;
Lady Cross, verge 2778; Owler Bar 2877; near Barlow Grange 3173; Clowne
4875.

(N) **Arrhenatherum elatius** (L.) J. & C. Presl

False Oat-grass

Old records: 1889 (*Arrhenatherum avenaceum*) hedge sides and waste places (J. Salt).
1895 (*A. avenaceum*) Common (NAT).
Other records Grid Map No. 387.

(N) **Koeleria macrantha** (Ledeb.) Schultes (*Koeleria cristata*)

Crested Hair-grass

Old records: 1888 Kiveton, *Amos Carr* (LFWY).
1889 (*Koeleria cristata*) Middleton Dale, Derbyshire (J. Salt).

Records Longstone Edge 2073; Middleton Dale 2175 and 2176; Coombs Dale 2274;
since 1969: Hassop area 2370.

(N) **Trisetum flavescens** (L.) Beauv.

Yellow Oat-grass

Old record: 1889 (*Avena flavescens*) Pitsmoor roadside, near the Workhouse, meadows
and pastures, common (J. Salt).
Other records Grid Map No. 388.

(N) **Deschampsia cespitosa** (L.) Beauv.

Tufted Hair-grass

Old record: 1889 (*Aira coespitosa*) Little London Dam, Sheffield, meadows and woods,
common (J. Salt).
Other records Grid Map No. 389.

(N) **Deschampsia flexuosa** (L.) Trin.

Wavy Hair-grass

Old records: 1889 (*Aira flexuosa*) dry woods and heaths, common; Old Park Wood,
Sheffield (J. Salt).
1894 Black Brook (SNC).
Other records Grid Map No. 390.

(N) **Aira praecox** L.

Early Hair-grass

Old records: 1882 Rivelin Valley (SNC).
1889 Lane top of a hill, hedge end, Crookes Moor, Sheffield (J. Salt).
1903 Bamford; Eyam Moor; Curbar; near Hathersage; near Brampton
(Linton).
1947 By a ride in Beeley Wood, *J. Brown* (Sorby Records).

Records since 1969: Bouldery field, Haywood 2476; Curbar 2573; White Edge 2677; Ladybower 2086; Burbage 2680; Rivelin Dams 2786; Lady Canning's Plantation 2883; Dore 2981; Ringinglow 2983; Cutthorpe 3273; Totley Bents 3080; Loxley Valley 3089; Wharncliffe 3196; Rotherham 4393 & 4691; Parkgate 4394.

(N) *Aira caryophyllea* L.

Silver Hair-grass

Old records: 1888 Crookes Moor, Sheffield, *Herb. Salt* (LFWY).
1889 Crookes Moor, Sheffield (J. Salt).
1903 Eyam Moor (Linton).

Records since 1969: Disused railway line 2170; Hassop old station 2270; Sheepbridge 3774; Nether Handley 4076; Whiston 4389; Ulley 4587; Thrybergh Reservoir 4796; Hooton Cliff 4997.

(I) *Aira multiculmis* Dum.

Record: 1985 Beighton 4484.

(N) *Anthoxanthum odoratum* L.

Sweet Vernal-grass

Old records: 1889 Very common (J. Salt).
1894 Ecclesall Wood, *Snelgrove* (SNC).
Other records Grid Map No. 391.

(N) *Holcus lanatus* L.

Yorkshire-fog

Old records: 1889 Common in meadows and pastures (J. Salt).
1884 Near Holmesfield (SNC).
Other records Grid Map No. 392.

(N) *Holcus mollis* L.

Creeping Soft-grass

Old records: 1889 Woods and hedges, common (J. Salt).
1894 Greenhill (SNC).
1910 Old Park Wood (SNC).
Other records Grid Map No. 393.

(N) *Agrostis canina* L.

Velvet Bent, Brown Bent-grass

Old records: 1888 Wharncliffe; Wadsley Common; near Crookes and near Crosspool, *Amos Carr* (LFWY).
1903 Moors near Dore, Gibbs; Curbar; above Barnford; Froggatt; Blake Brook, near Baslow (Linton).
Other records Grid Map No. 394.

(N) *Agrostis vinealis* Schreber (*A. canina* ssp. *montana*)

Records: 1890 Thrybergh Reservoir 4795.
1987 Long Lane, Whiston 4389; Don Canal 4092.

- (N) **Agrostis capillaris** L. (*A. tenuis*) Common Bent
 Old record: 1889 (*Agrostis vulgaris*) Crookes Moor, Sheffield, very common (J. Salt).
 Other records Grid Map No. 395.
- (N) **Agrostis gigantea** Roth Black Bent
 Records: Grid Map No. 396.
- (N) **Agrostis stolonifera** L. Creeping Bent, Fiorin, White Bent
 Old records: 1894 (*Agrostis alba*) Near Heeley, *Snelgrove* (SNC).
 1921 (*A. alba*) On mud on ponds at Wentworth (NAT).
 Other records Grid Map No. 397.
- (N) **Agrostis capillaris** x **A. stolonifera**
 Record: 1975 Parkgate 4494.
- (N) **Ammophila arenaria** (L.) Link Marram
 Record: 1969-1975 Old tip near Cowley 3477.
- (N) **Calamagrostis epigejos** (L.) Roth Wood Small-reed, Bushgrass
 Old record: 1840 (*Arundo epigejos*) Near Sheffield (BF).
 Records: 1975 Killamarsh, ungrazed marsh 4581.
 1987 Holbrook Ponds 4481.
- (I) **Lagurus ovatus** L. Hare's-tail
 Record: 1976 Ashgate Road 3386.
- (N) **Phleum pratense** L. Timothy, Cat's-tail
 Old record: 1889 Pastures and roadsides, common (J. Salt).
 Other records Grid Map No. 398.
- (N) **Phleum pratense** L. ssp. **bertolonii** (DC.) Serb. & Nyarady Smaller Cat's-tail
 Records since 1969: Near Barrel Inn 2077; Coombs Dale 2274; Calver 2474; Chequers Inn 2475;
 Ringinglow 2984; Wigtwizzle 2595; near Totley 3078; Dunstan Farm 3279;
 Ashgate 3471; Totley Rise 3280; Beauchief Abbey 3381; Weston Park 3487;
 Rolleston Road 3783; Car Brook 3986; Bessy Gill Pond 3997; Moss Valley
 4080; Shirtcliffe Brook 4085; Aughton 4586; Norwood Ponds 4781; Morthen
 4789; Dog Kennel Wood 4096.
- (N) **Alopecurus myosuroides** Hudson Black-grass, Black Twitch
 Old records: 1878 (*Alopecurus agrestis*) Oughtibridge (NAT).
 1888 (*A. agrestis*) Roadsides about Sheffield, *J. Salt* (LFWY).
 1889 (*A. agrestis*) Roadsides, near Sheffield, (J. Salt).
 Records since 1973: Calver Sough 2474; Dore 2981; Stonegravels Tip 3872; Totley 3280; Rother
 Valley Country Park 4581; Rotherham 4592.

- (N) Alopecurus pratensis** L. Meadow Foxtail
 Old record: 1889 Meadows, very common (J. Salt).
 Other records Grid Map No. 399.
- (N) Alopecurus geniculatus** L. Marsh Foxtail
 Old record: 1889 Moist parts of meadows, common (J. Salt).
 Other records Grid Map No. 400.
- (N) Alopecurus aequalis** Sobol. Orange Foxtail
 Old records: 1888 (*Alopecurus fulvus*) Wet boggy field near Woodhouse, Sheffield, *Amos Carr* (LFWY).
 1951 Margin of Harthill Reservoir, *J. Brown* (NAT).
 Records since 1969: Damflask Reservoir 2691; Linacre Reservoir 3272; island pond, Wingerworth 37; Pebley Pond 4879; Woodall Pond 4780; Harthill Reservoir 4880.
- (N) Phalaris arundinacea** L. Reed Canary-grass, Reed-grass
 Old records: 1889 Banks of rivers, common (J. Salt).
 1894 Kiveton Park Station (SNC).
 Other records Grid Map No. 401.
- (I) Phalaris canariensis** L. Canary-grass
 Old records: 1884 Endcliffe Vale (SNC).
 1888 Corn-field, Sharrow, *Geo. Harrison M.S.*; Various places about Sheffield, *J. Salt*; Field near Brindsworth and quarry near Crookes, *Amos Carr* (LFWY).
 1889 Cluff Lane; various places about Sheffield (J. Salt).
 1947 Rubbish dump, Arbourthorne, *J. Brown* (Sorby Records).
 1965 Sheffield gardens, from birdseed (Sorby Records).
 Records since 1969: Stoney Middleton 2275; Calver 2375; Barlow 3474; Abbey Lane 3282; River Don 3488; Lees Hall 3684; Ulley Brook 4488; Whiston Brook 4489; Parkgate 4394; Silver Wood 4594.
- (N) Milium effusum** L. Wood Millet
 Old records: 1888 About Sheffield, frequent, *J. Salt*; Wharncliffe Woods, *Amos Carr* (LFWY).
 1889 Woods about Sheffield, frequent (J. Salt).
 1895 Common in woods about Sheffield (NAT).
 1903 Bubnell, Baslow; woods, Abbey Dale, *Gibbs*; The Moss, Mosbrough; Linacre Wood, Old Brampton; Parkhall Woods, near Renishaw, *Waterfall*; by Limb Brook, near Dore Station; Brierly Wood, Unstone (Linton).
 Other records Grid Map No. 402.

(N) **Phragmites australis** (Cav.) Steudel (*Phragmites communis*) Common Reed

Records Calver 2475; Damflask 2791; Chesterfield Canal 3971; Beighton 4384;
since 1963: Treeton 4386 & 4387; Holbrook 4481; Rother Valley Country Park (planted)
4682; Nickerwood Ponds 4684; Killamarsh 4780; Ulley Beeches 4787;
Rotherham 4092; Aldwarke 4494; Whinney Hill 4594; Roundwood Ponds
4596; Thrybergh Tip 4696.

(N) **Danthonia decumbens** (L.) DC. (*Sieglingia decumbens*) Heath-grass

Old records: 1888 (*Triodia decumbens*) Wharncliffe Crag; Ringinglow, Amos Carr
(LFWY).

1889 Common near Chesterfield, *Waterfall* (PFD); (*T. decumbens*) marshes
near Cliffe Rocher, near Sheffield (J. Salt).

1903 (*S. decumbens*) Troway; Longstone Edge; Abney; once seen near
Chesterfield, *Waterfall*; Hood Brook, Hathersage; Eyam Moor; Curbar;
near Baslow; woods S.E. of Westhorpe; Unthank; Cutthorpe (Linton).

Other records Grid Map No. 403.

(N) **Molinia caerulea** (L.) Moench Purple Moor-grass

Old records: 1881 Langsett (Bamsley NATS).

1888 *Salt* "meadows about Riveline", 1800 (LFWY).

1889 Meadows about Rivelin, Sheffield (J. Salt).

1895 Moors near Owler Bar (NAT).

1903 (*Molinia varia*) Hood Brook, Hathersage; moors near Owler Bar, *The
Naturalist*; Froggatt; by Hay Wood, Grindleford; Totley Moss (Linton).

Other records Grid Map No. 404.

(N) **Nardus stricta** L. Mat-grass

Old records: 1889 Heaths near Sheffield, frequent (J. Salt).

1903 Moors near Dore; near Eyam; Hood Brook, Hathersage; abundant on
all the moors (Linton).

Other records Grid Map No. 405.

Panicum miliaceum L. Common Millet

Records: 1987 Roadside, Crookes 3287; Tinsley Sewage Farm 4091.

(I) **Echinochloa crus-galli** (L.) Beauv. Cockspur

Old record: 1947 Rubbish dump, Arbourthorne, det. Hubbard, *J. Brown* (Sorby
Records).

Record: 1969-74 Hady Tip 3970.

(I) **Setaria viridis** (L.) Beauv. Green Bristle-grass

Old record: 1947 Rubbish dump, Arbourthorne, det. Dr. Sledge, *J. Brown* (Sorby
Records).

Record: 1974-79 Hady, nr. Chesterfield 3970.

(I) **Setaria italica** (L.) Beauv. Foxtail Bristle-grass, Foxtail Millet, Italian Millet
Record: 1969-74 Hady Tip, Chesterfield 3970.

(I) **Setaria pumila** (Poir.) Schultes (S. lutescens) Yellow Bristle-grass
Record: 1981 Highfields 3586.

ADDITIONAL PLANTS NOT INCLUDED IN THE MAIN FLORA

(in alphabetical order)

Acer rubrum L. Red Maple
Record: 1984 Small paddock near Gorse Bank Lane, Baslow 2573.

Achillea serrata Yarrow
Records: 1974 Bubnell Lane, Baslow 2572.
By the bridge over Bar Brook, Nether End 2672.
(Garden escapes)

Achillea tanacetifolia Yarrow
Record: 1888 Found on a rough hilly bank near Ringing Low, five miles from Sheffield, in July 1844 by Mr. John Hardy. Considered 'indubitably indigenous and not an escape from cultivation' by its finder (cf. C. C. Babington in *Ann. Hist.*, xix, 137, 1847), accompanied as it was stated to be by *Vaccinium Vitis-Idaea*, and growing amongst 'a profusion of *Lastrea Oreopteris*'; but we judge differently now. 'An escape'; *Bab.*, *Man.*, v, viii. Extinct in 1849; *W. Borrer* (*Cyb. Brit.*, iii, 464). 'Now rare or almost eradicated . . . has been carried into several gardens at Sheffield'; *J. Hardy* in litt. (1854); *Baker*, *Supp. Flo. Yorks.* (LFWY).

Alnus cordata Desf. Italian Alder
Records: 1979 Whirlow 3082; Abbeydale Hall 3181.

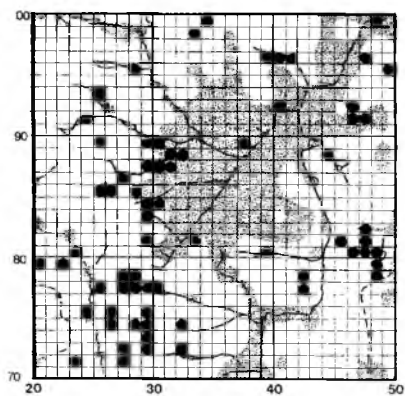
Anethum graveolens L. Dill
Record: 1984 'Asian' allotments, Ouse Road 3888 (site gone).

Cedrus deodara (Roxb.) G. Don ex Loud. Deodar
Record: 1985 Bannercross Hall 3284.

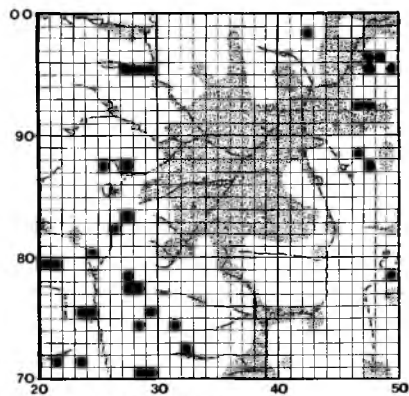
Centaurea montana Centaurea
Records: 1969-74 Owl Bar Tip 2978.
1976 Denaby 4999.
1982 The Roughs 3185.
1987 Wasteland, near Loxley Common 3090.

- Crataegus x lavallei** Hérincq Cockspear Thorn Hybrid
Record: 1984 By Pear Street Recreation Ground, set 3486.
- Crataegus x prunifolia** (Poir.) Pers. Cockspear Thorn Hybrid
Record: 1984 Roadside, Abbey Lane, set 3382.
- Echinochloa utilis** Ohwi and Yabano Japanese Millet
Record: 1969-74 Hady Tip, Chesterfield 3970.
- Echinochloa frumentacea** Link.
Record: 1969-74 Hady Tip, Chesterfield 3970.
- Fraxinus ornus** L. Manna Ash, Flowering Ash
Record: 1984 By Pear Street Recreation Ground, set 3486.
- Ginkgo biloba** L. Maidenhair Tree, Ginkgo
Records: 1974 Hassop Hall 2272.
1985 Bannercross Hall 3284.
1986 Sykes Quarry 4981.
- Iris sibirica** Iris
Record: 1982 The Roughs, garden escape 3185.
- Larix x eurolepis** Henry Hybrid Larch, Dunkeld Larch
Record: 1984 Hassop Hall estate 2171.
- Limnathes douglasii** Poached egg plant
Record: 1980 Smeekley Wood 2976.
- Liriodendron tulipifera** L. Tulip Tree
Records: 1985 Bannercross Hall 3284.
1986 Weston Park 3487.
- Lycopersicon esculentum** Tomato
Records: 1975 Handsworth 4087; Orgreave 4286.
1986 Old Sewage Works, Tinsley 4091.
- Morus nigra** L. Common or Black Mulberry
Records: 1978 Norton Lees garden 3583.
1985 Bannercross Hall 3284; Broomhill 3287; Templeborough 4091.
- Nepeta x Faassenii** Catmint
Record: 1978 Coombs Dale, escape 2274.
- Pinus cembra** L. Arolla Pine, Swiss Stone Pine
Record: 1979 Whirlow Park grounds 3082.

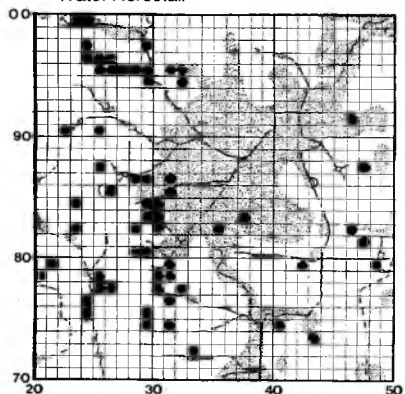
- Pyrethrum inoderum** Sm. Pyrethrum
 Records: 1889 Baslow, *Bailey*; about Chesterfield, *Waterfall* (PFD).
- Rheum rhabarbarum** L. Rhubarb
 Record: 1978 Parkwood Springs 3489.
- Salix sachalinensis** F. Schmidt Sekka Willow
 Records: 1982 Limb Valley, planted 2983.
 1988 Rivelin Valley (planted) 3187.
- Scabiosa tricuspidata** Scabious
 Record: 1982 The Roughs, garden escape 3185.
- Scilla bifolia** Scilla
 Record: 1888 Norton Hammer Hursery, near Sheffield, garden specimen (J. Salt).
- Senecio saracenicus**
 Records: 1889 Chatsworth; between Chesterfield and Sheffield, *N. B. G.* (PFD).
- Solanum cornutum** Lam.
 Record: 1985 Derelict site, Earsham Street area 3688.
- Solanum tuberosum** Potato
 Records Coal Aston 3679; Ripon Street 3788; near the Parkway 4086; Treeton 4386;
 since 1969: Bow Broom, Swinton 4699; Denaby 4999.
- Sorghum halepense** Millet Grass, Johnson Grass
 Record: 1975 Hady Tip, near Chesterfield 3970.
- Tilia petiolaris** DC. Silver Pendent Lime
 Records: 1985 Ecclesall Road, near Star Cinema 3486.
 1986 Rear of Children's Hospital, site gone 3487.
 1987 Broomhill, 3387.
- Tsuga heterophylla** (Raf.) Sarg. Western Hemlock
 Records: 1960 Limb Valley, set 3083.
 1987 Whamcliffe Wood, self sown 3193.
- Zea mays** Maize, Indian Corn
 Record: 1984 Fitzalan Square 3587.



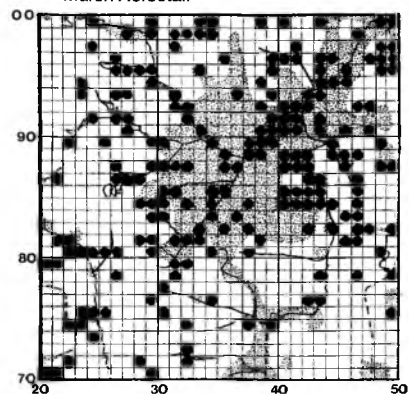
1. *Equisetum fluviatile*
Water Horsetail



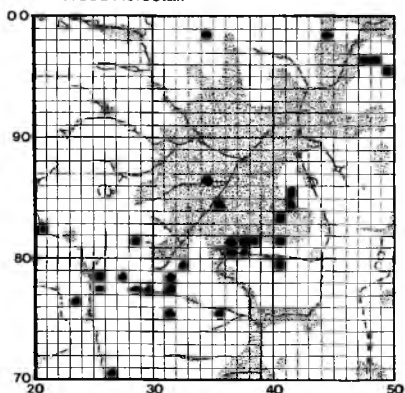
2. *Equisetum palustre*
Marsh Horsetail



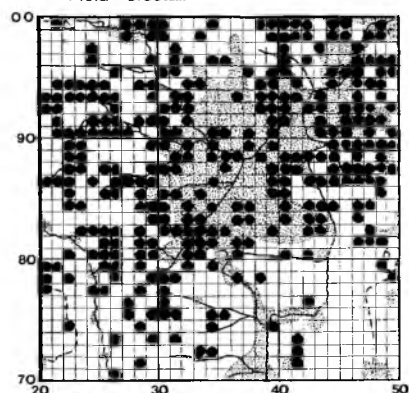
3. *Equisetum sylvaticum*
Wood Horsetail



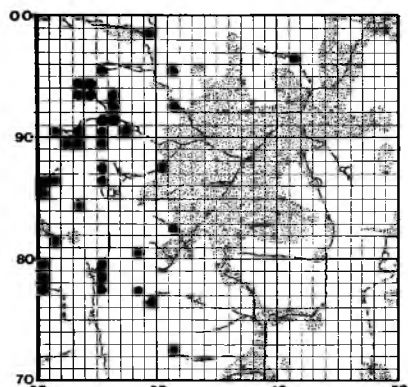
4. *Equisetum arvense*
Field Horsetail



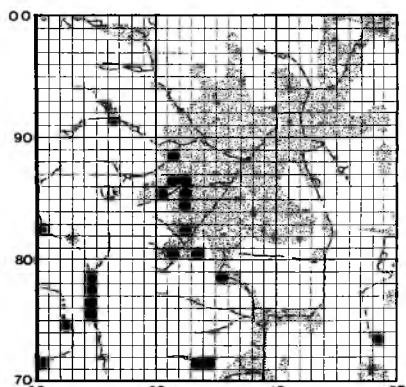
5. *Ophioglossum vulgatum*
Adder's-tongue



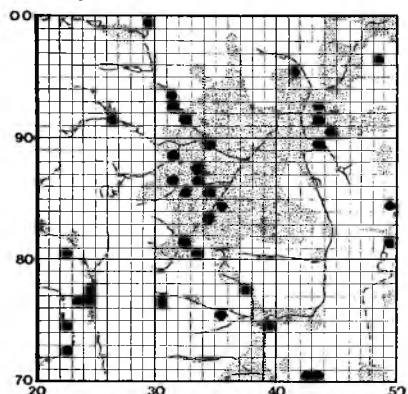
6. *Pteridium aquilinum*
Bracken



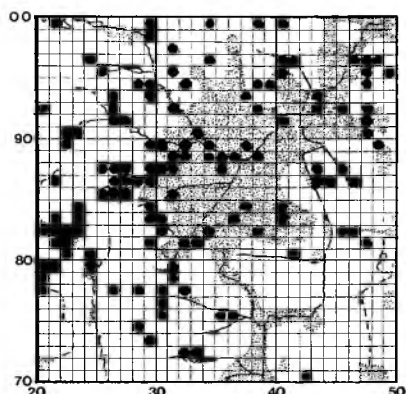
7. *Oreopteris limbosperma*
Lemon-scented Fern



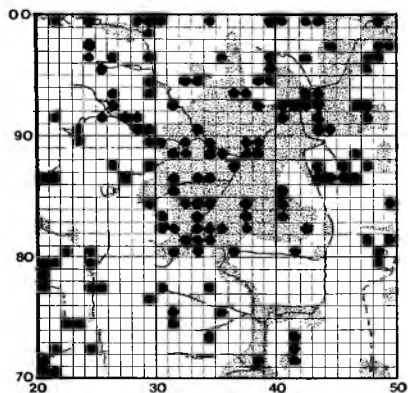
8. *Asplenium ruta-muraria*
Wall-rue



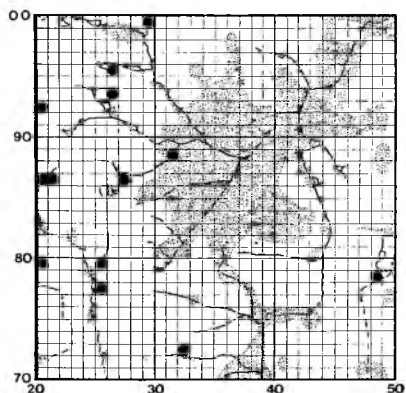
9. *Phyllitis scolopendrium*
Hart's-tongue



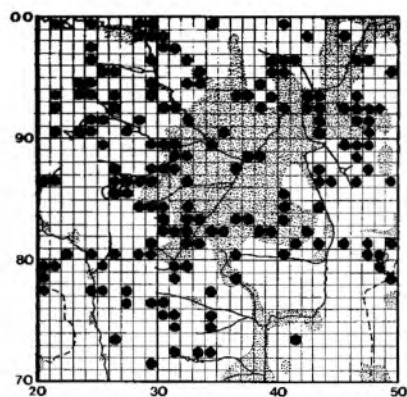
10. *Athyrium filix-femina*
Lady-fern



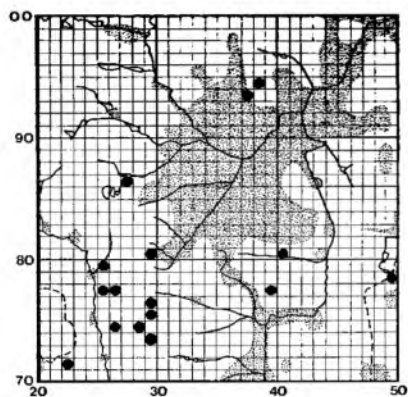
11. *Dryopteris filix-mas*
Male-fern



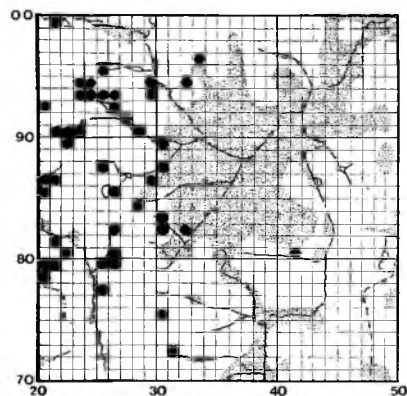
12. *Dryopteris affinis*
Scaly Male-fern



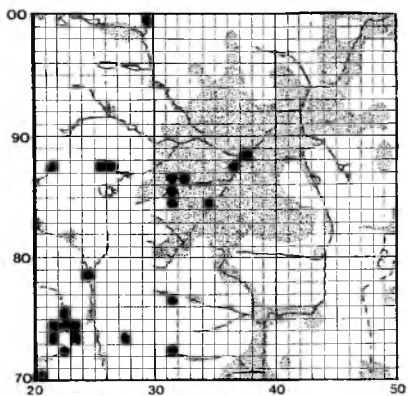
13. *Dryopteris dilatata*
Broad Buckler-fern



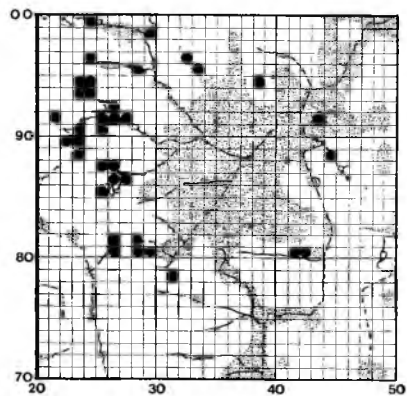
14. *Dryopteris carthusiana*
Narrow Buckler-fern



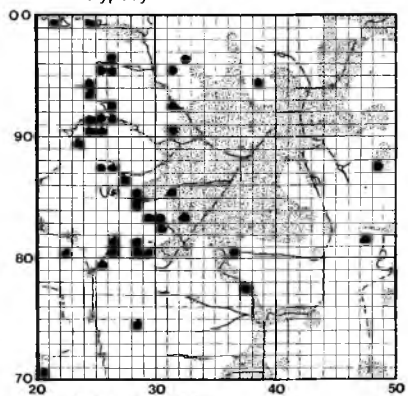
15. *Blechnum spicant*
Hard Fern



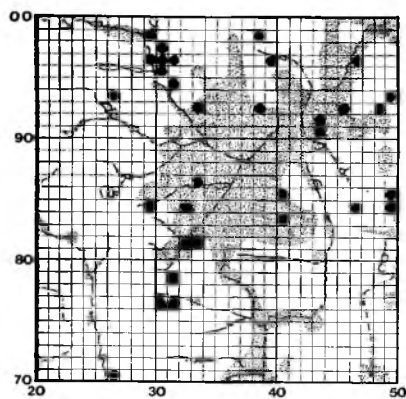
16. *Polypodium vulgare*
Polypody



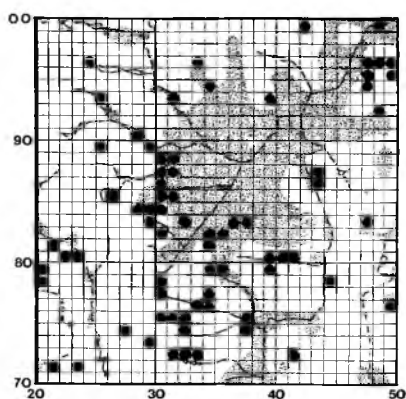
17. *Larix decidua*
European Larch



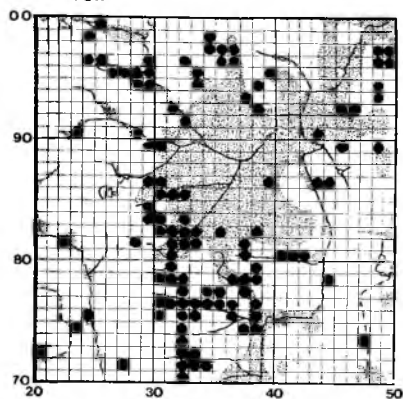
18. *Pinus sylvestris*
Scots Pine



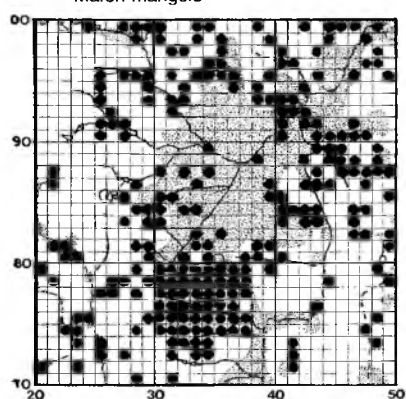
19. *Taxus baccata*
Yew



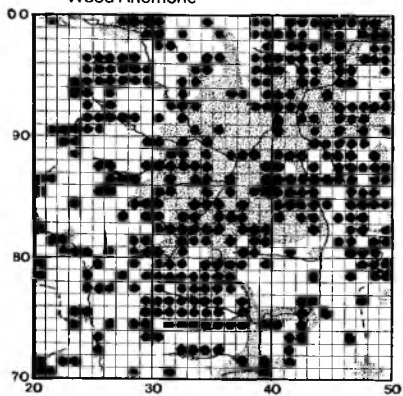
20. *Caltha palustris*
Marsh-marigold



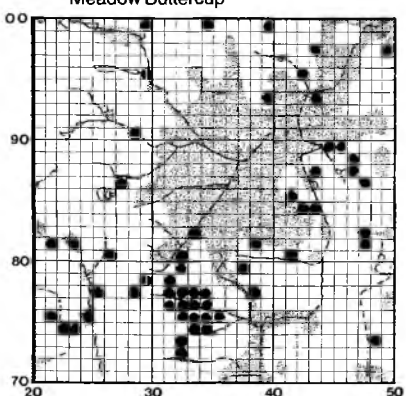
21. *Anemone nemorosa*
Wood Anemone



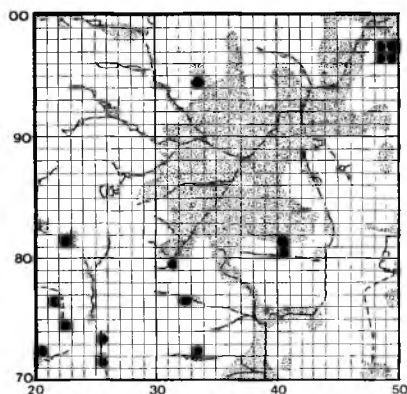
22. *Ranunculus acris*
Meadow Buttercup



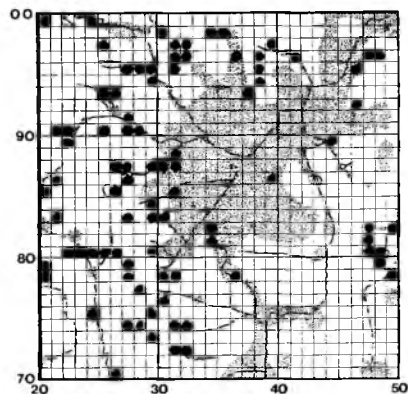
23. *Ranunculus repens*
Creeping Buttercup



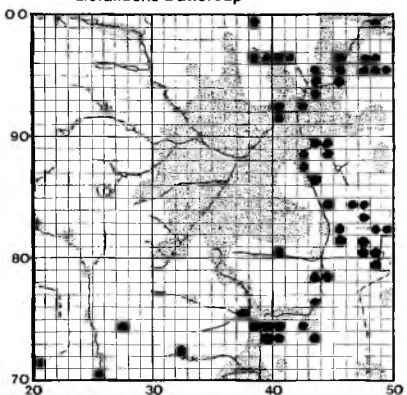
24. *Ranunculus bulbosus*
Bulbous Buttercup



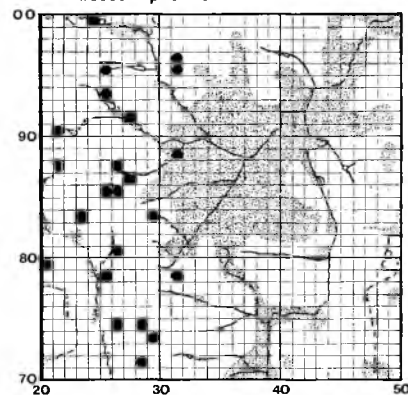
25. *Ranunculus auricomus*
Goldilocks Buttercup



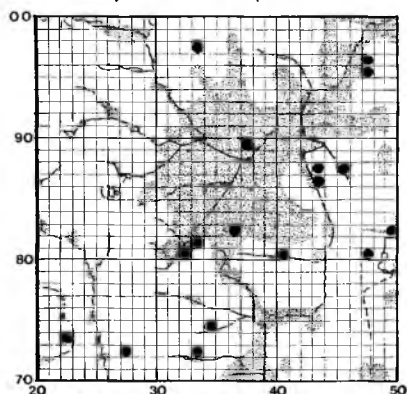
26. *Ranunculus flammula*
Lesser Spearwort



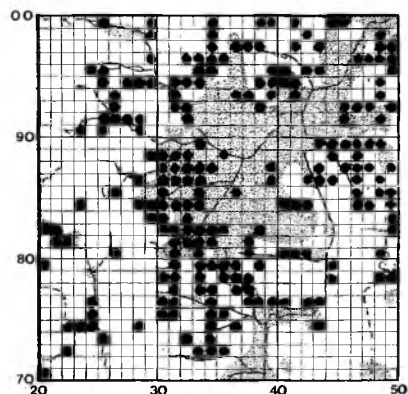
27. *Ranunculus sceleratus*
Celery-leaved Buttercup



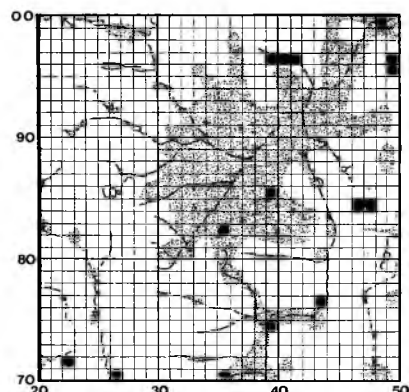
28. *Ranunculus omiophyllus*
Round-leaved Crowfoot



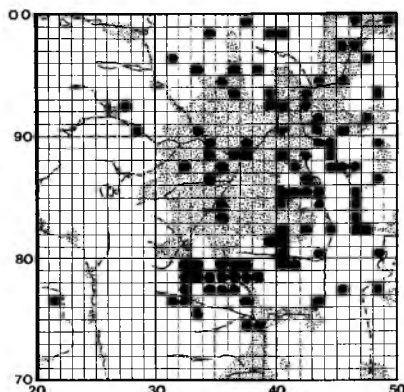
29. *Ranunculus peltatus*
Pond Water-crowfoot



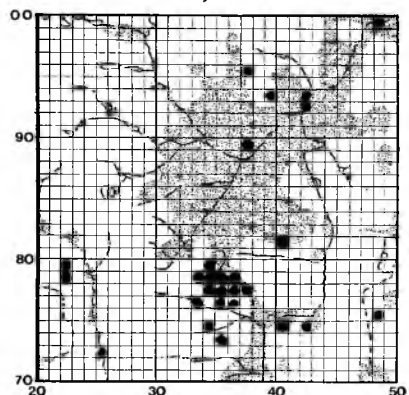
30. *Ranunculus ficaria*
Lesser Celandine



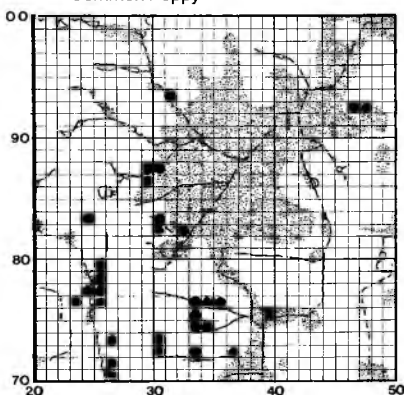
31. *Nuphar lutea*
Yellow Water-lily



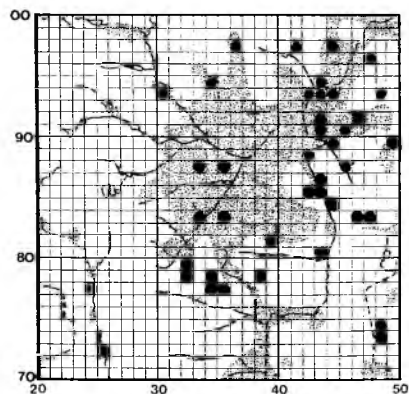
32. *Papaver rhoeas*
Common Poppy



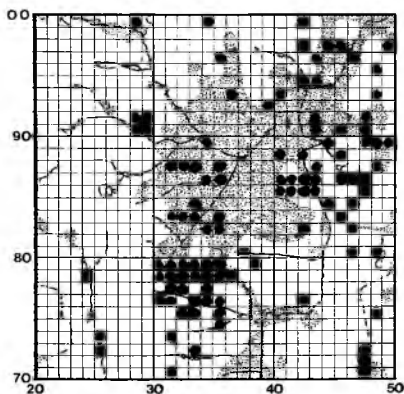
33. *Papaver dubium*
Long-headed Poppy



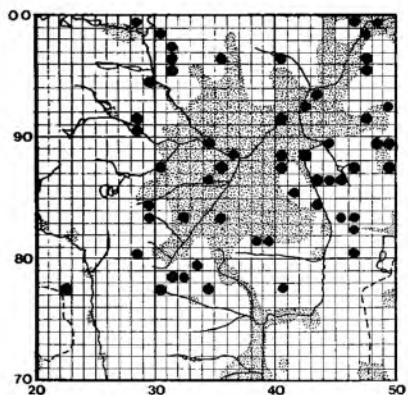
34. *Corydalis claviculata*
Climbing Corydalis



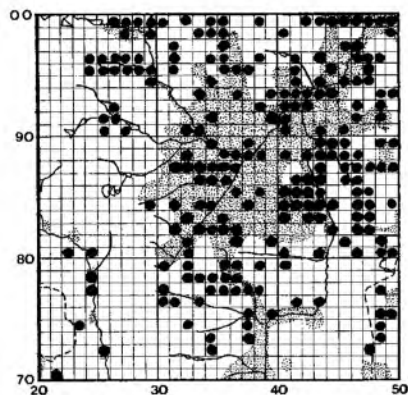
35. *Fumaria officinalis*
Common Fumitory



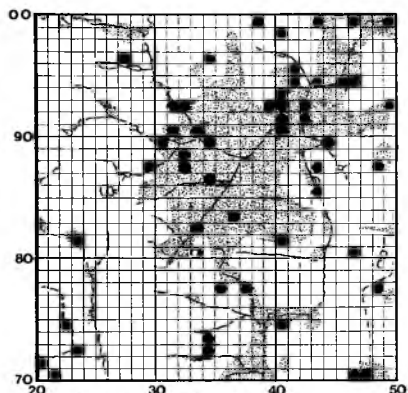
36. *Sinapis arvensis*
Charlock



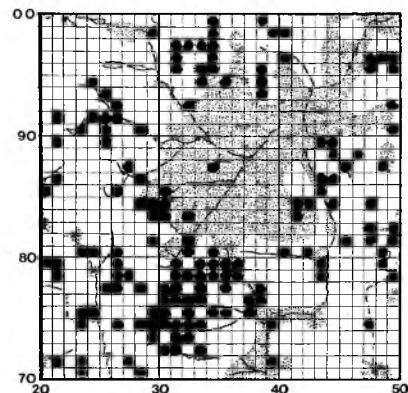
37. *Raphanus raphanistrum*
Wild Radish



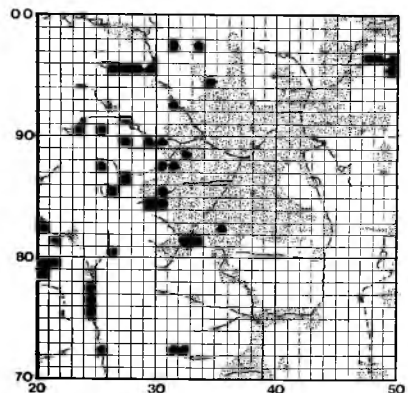
38. *Capsella bursa-pastoris*
Shepherd's-purse



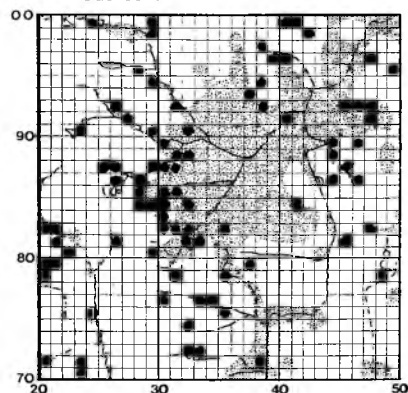
39. *Armoracia rusticana*
Horse-radish



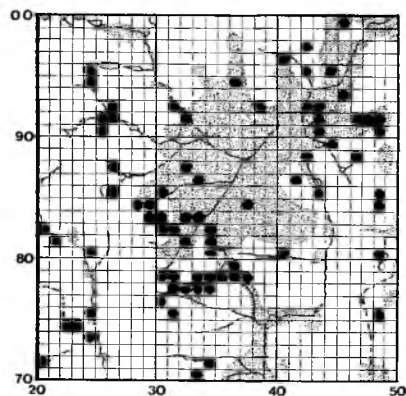
40. *Cardamine pratensis*
Cuckooflower



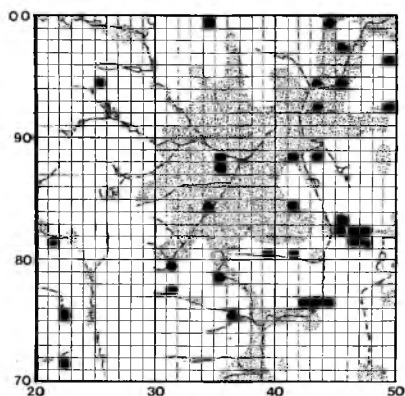
41. *Cardamine amara*
Large Bitter-cress



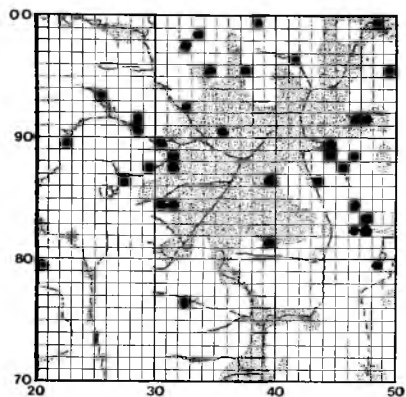
42. *Cardamine flexuosa*
Wavy Bitter-cress



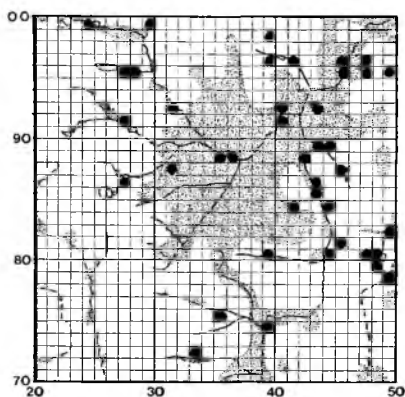
43. *Cardamine hirsuta*
Hairy Bitter-cress



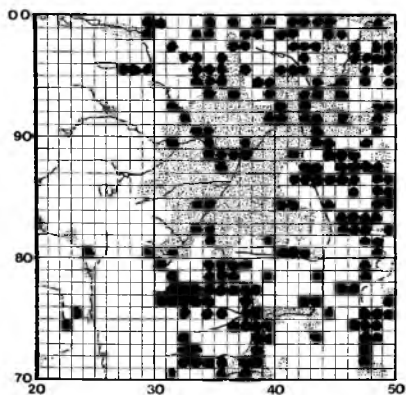
44. *Barbarea vulgaris*
Winter-cress



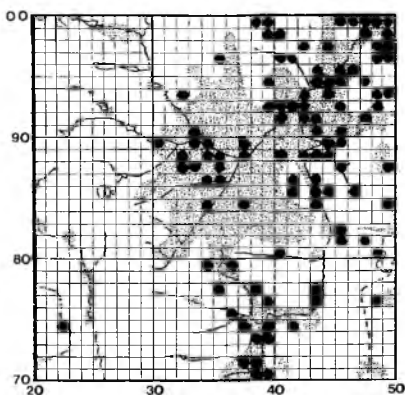
45. *Nasturtium officinale*
Water-cress



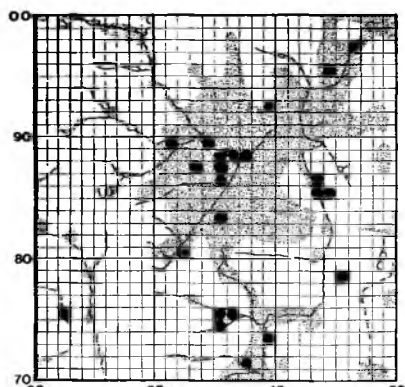
46. *Rorippa palustris*
Marsh Yellow-cress



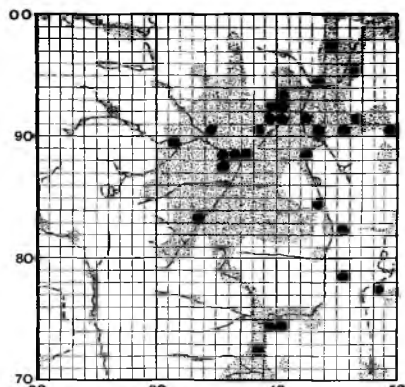
47. *Alliaria petiolata*
Garlic Mustard



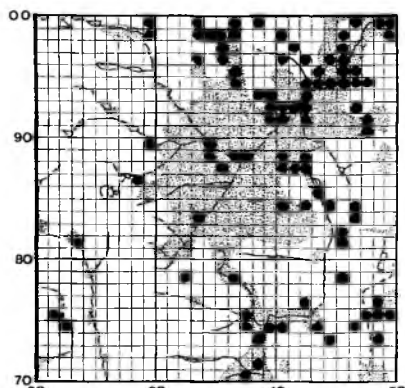
48. *Sisymbrium officinale*
Hedge Mustard



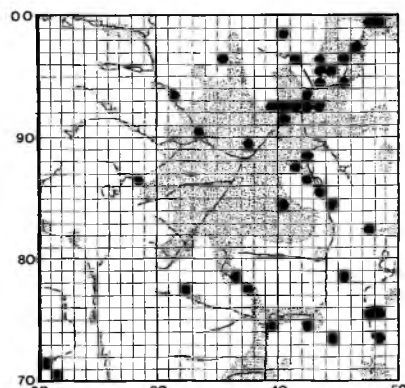
49. *Sisymbrium orientale*
Eastern Rocket



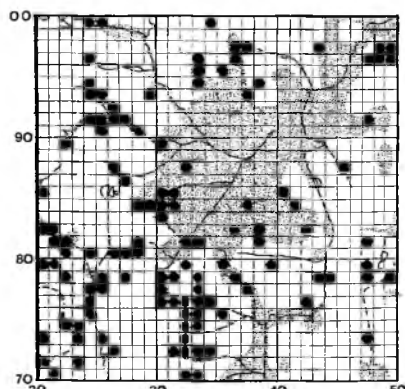
50. *Sisymbrium altissimum*
Tall Rocket



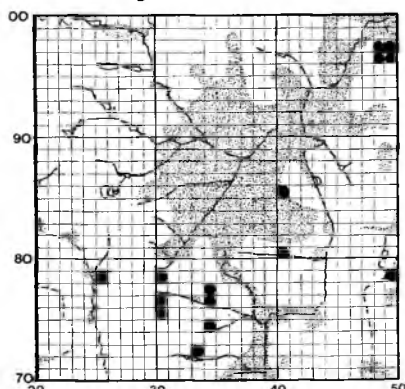
51. *Reseda luteola*
Weld



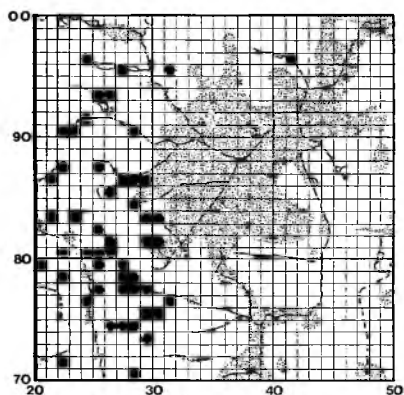
52. *Reseda lutea*
Wild Mignonette



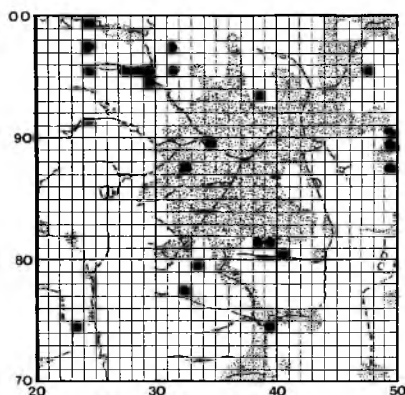
53. *Viola riviniana*
Common Dog-violet



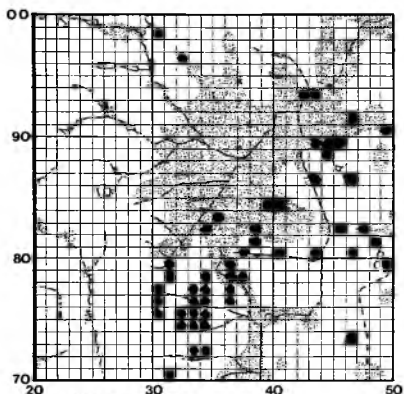
54. *Viola reichenbachiana*
Early Dog-violet



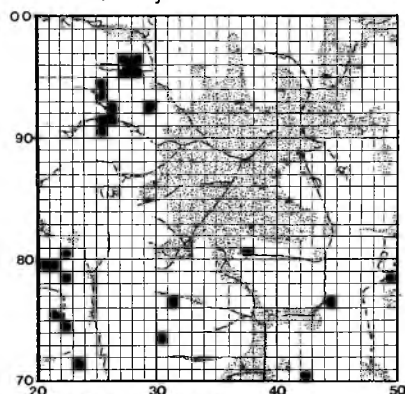
55. *Viola palustris*
Marsh Violet



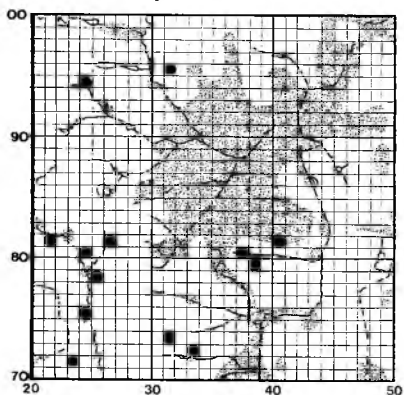
56. *Viola tricolor*
Wild Pansy



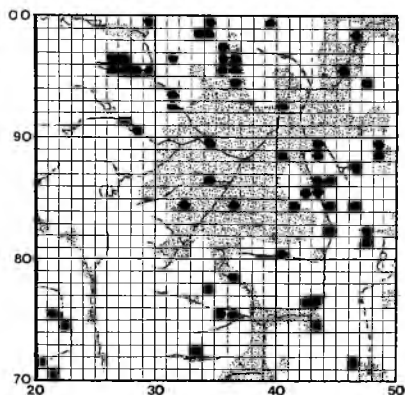
57. *Viola arvensis*
Field Pansy



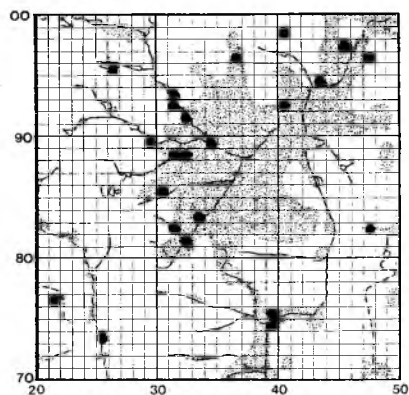
58. *Polygala vulgaris*
Common Milkwort



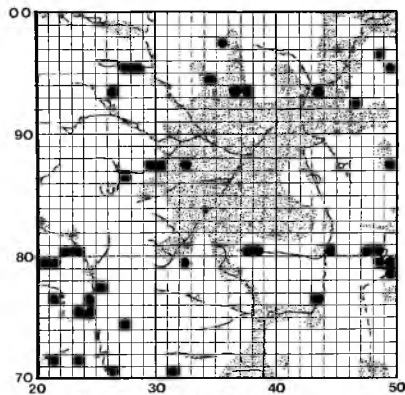
59. *Polygala serpyllifolia*
Heath Milkwort



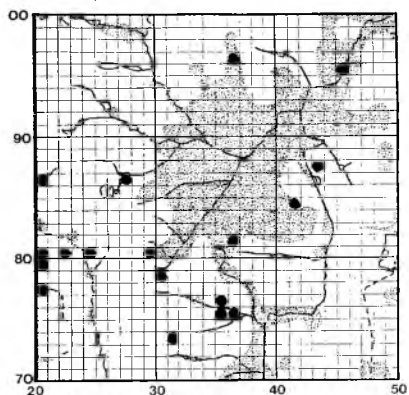
60. *Hypericum perforatum*
Perforate St. John's-wort



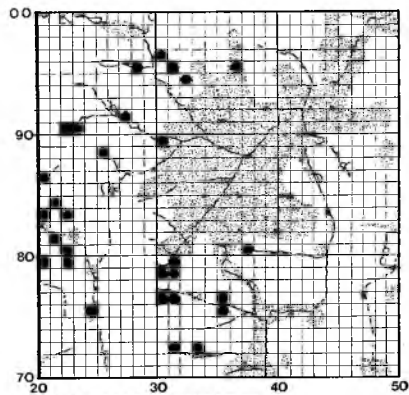
61. *Hypericum maculatum*
Imperforate St. John's-wort



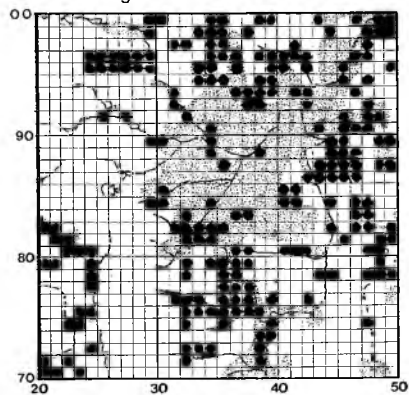
62. *Hypericum tetrapterum*
Square-stalked St. John's-wort



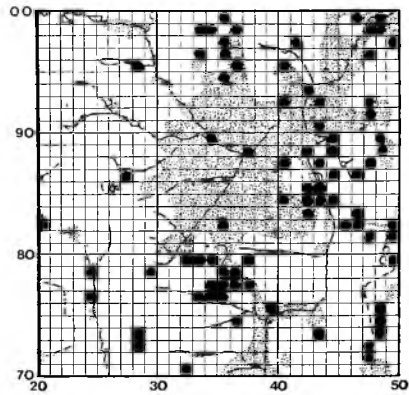
63. *Hypericum humifusum*
Trailing St. John's-wort



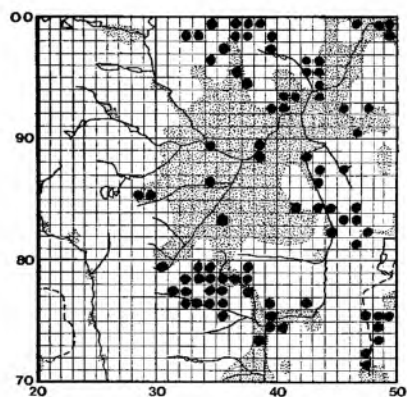
64. *Hypericum pulchrum*
Slender St. John's-wort



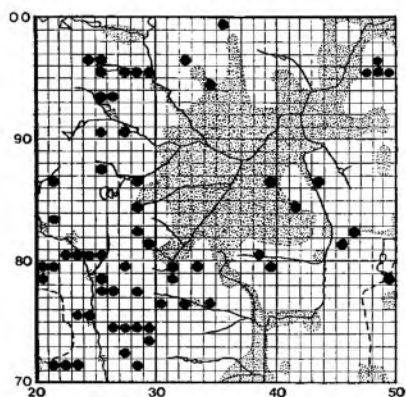
65. *Silene dioica*
Red Campion



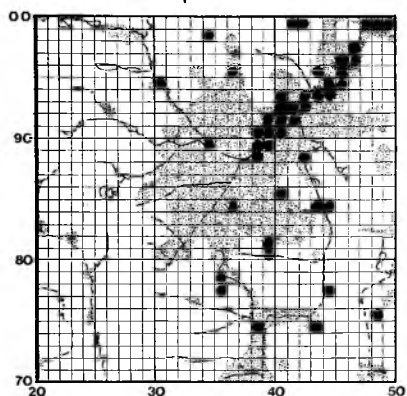
66. *Silene alba*
White Campion



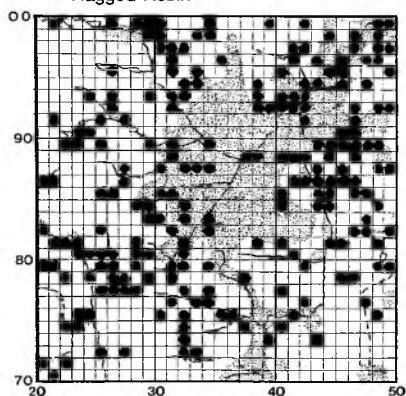
67. *Silene vulgaris*
Bladder Campion



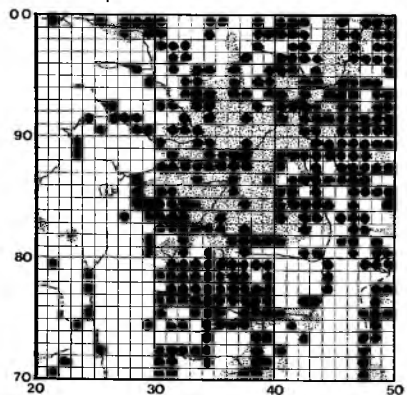
68. *Lychnis flos-cuculi*
Ragged-Robin



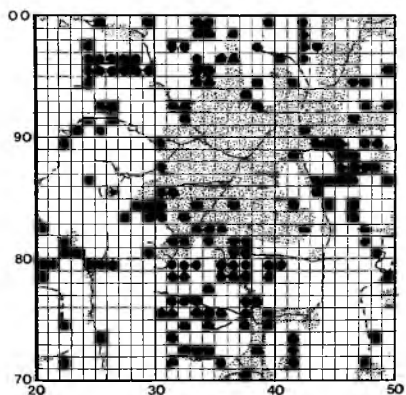
69. *Saponaria officinalis*
Soapwort



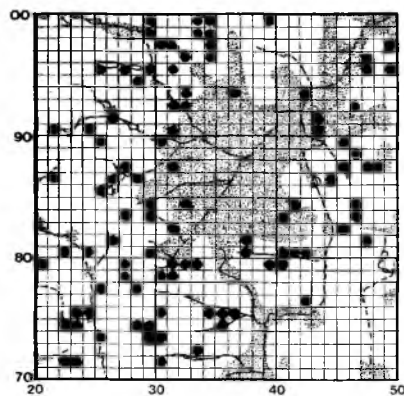
70. *Cerastium fontanum*
Common Mouse-ear



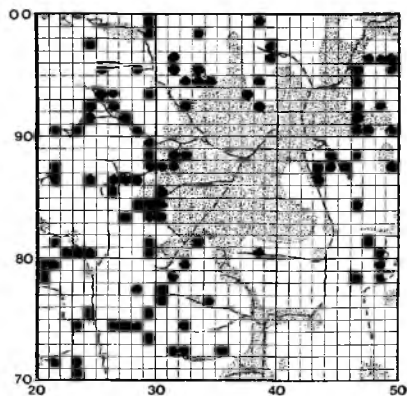
71. *Stellaria media*
Common Chickweed



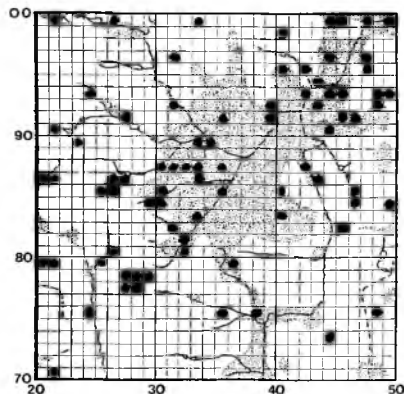
72. *Stellaria holostea*
Greater Stitchwort



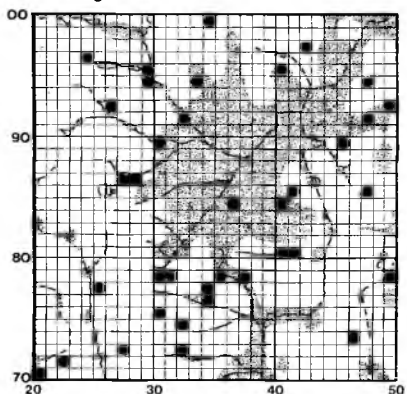
73. *Stellaria graminea*
Lesser Stitchwort



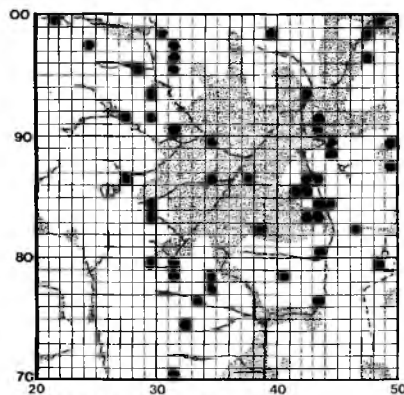
74. *Stellaria alsine*
Bog Stitchwort



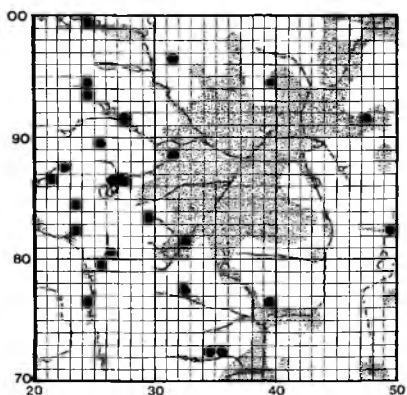
75. *Sagina procumbens*
Procumbent Pearlwort



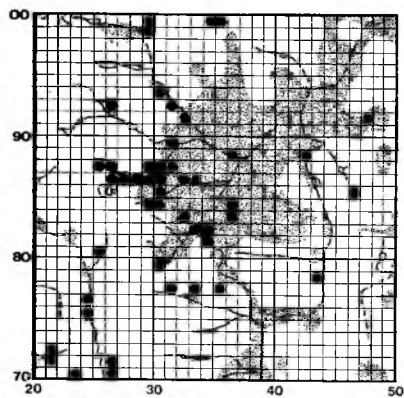
76. *Moehringia trinervia*
Three-nerved Sandwort



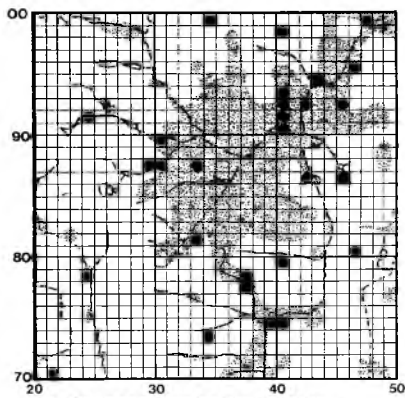
77. *Spargula arvensis*
Corn Spurrey



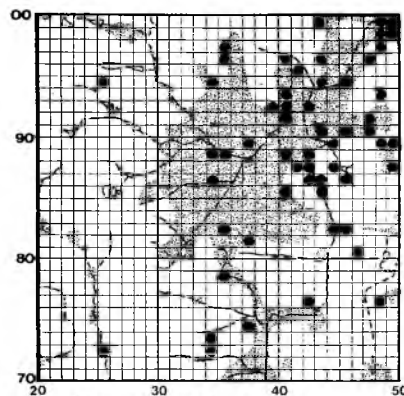
78. *Montia fontana*
Blinks



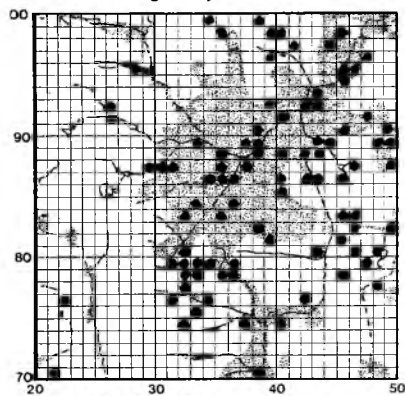
79. *Montia sibirica*
Pink Purslane



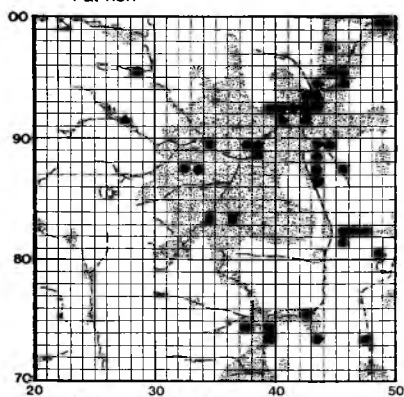
80. *Chenopodium bonus-henricus*
Good-King-Henry



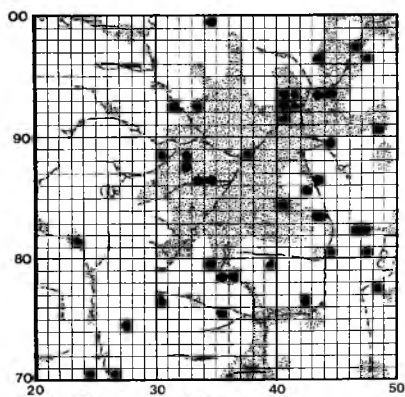
81. *Chenopodium album*
Fat-hen



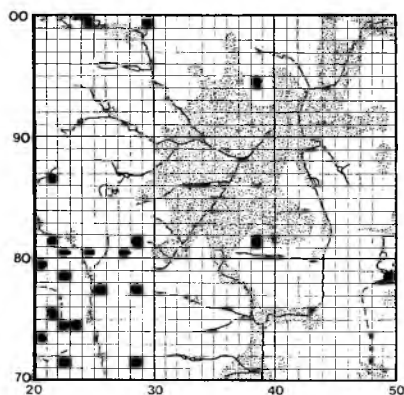
82. *Atriplex patula*
Common Orache



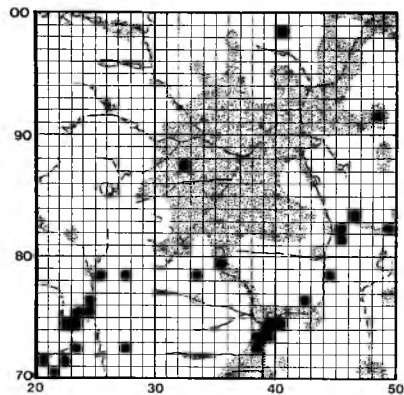
83. *Atriplex prostrata*
Spear-leaved Orache



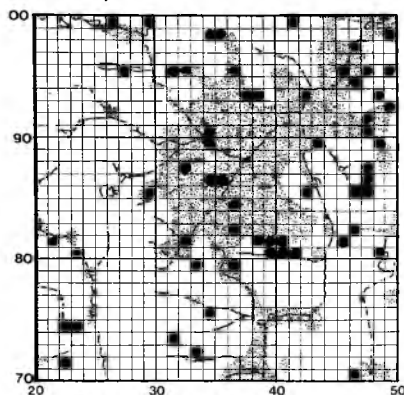
84. *Malva sylvestris*
Common Mallow



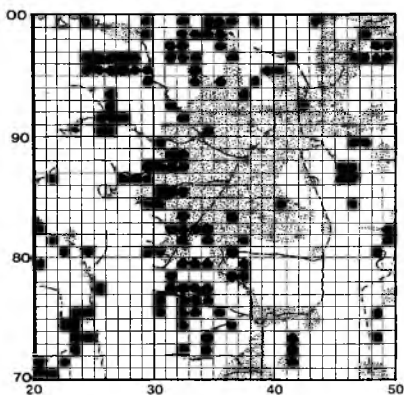
85. *Linum catharticum*
Fairy Flax



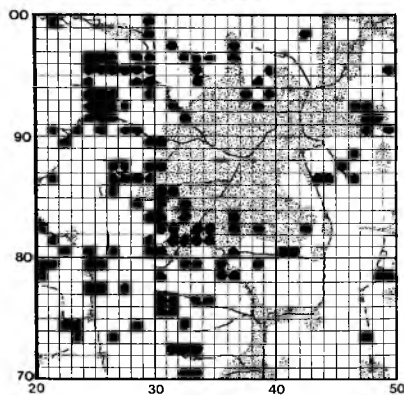
86. *Geranium pratense*
Meadow Crane's-bill



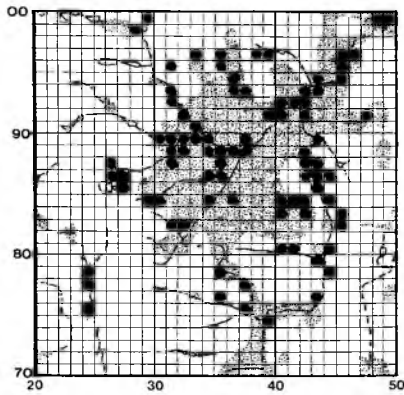
87. *Geranium dissectum*
Cut-leaved Crane's bill



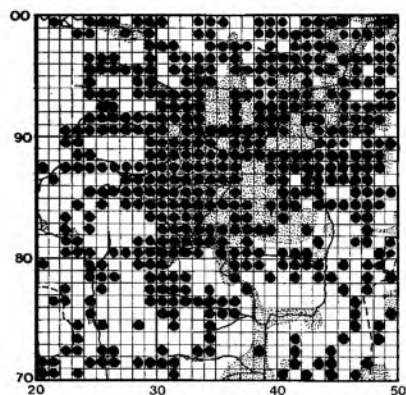
88. *Geranium robertianum*
Herb-Robert



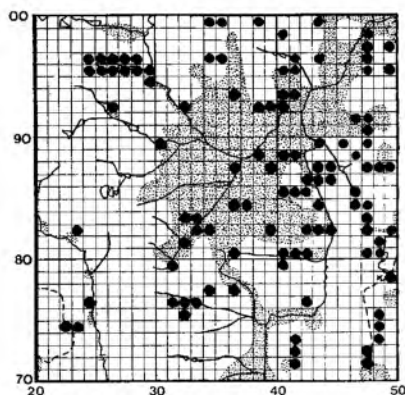
89. *Oxalis acetosella*
Wood-sorrel



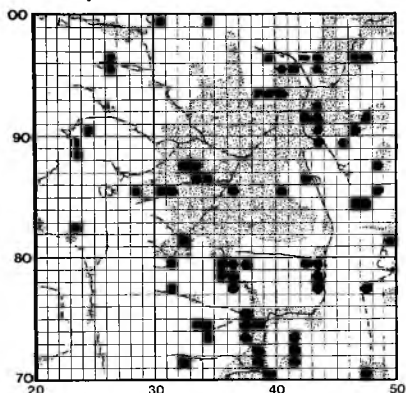
90. *Impatiens glandulifera*
Indian Balsam



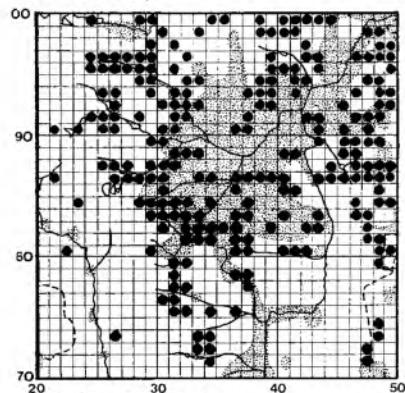
91. *Acer pseudoplatanus*
Sycamore



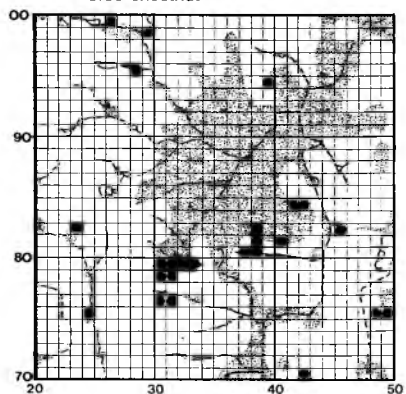
92. *Acer campestre*
Field Maple



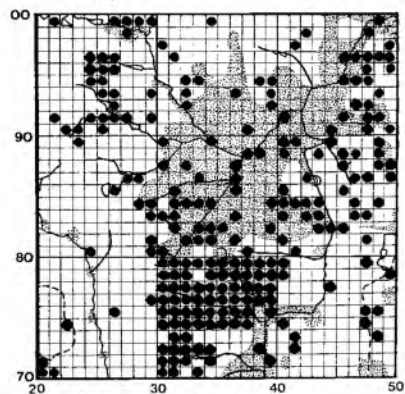
93. *Aesculus hippocastanum*
Horse-chestnut



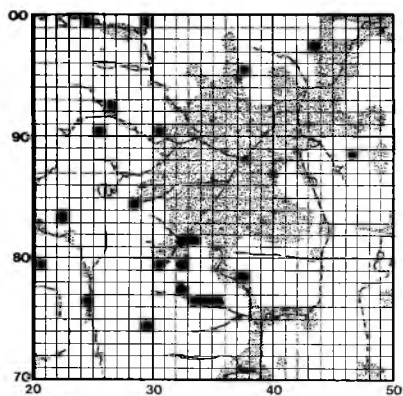
94. *Ilex aquifolium*
Holly



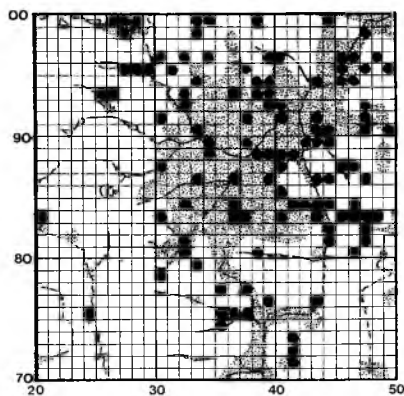
95. *Genista tinctoria*
Dyer's Greenweed



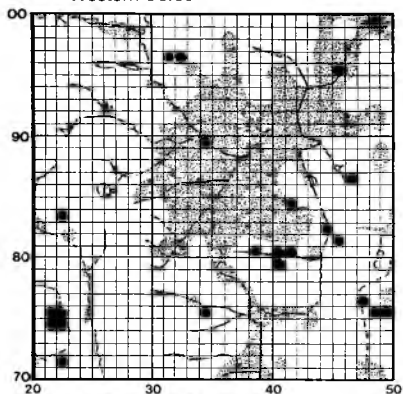
96. *Ulex europaeus*
Gorse



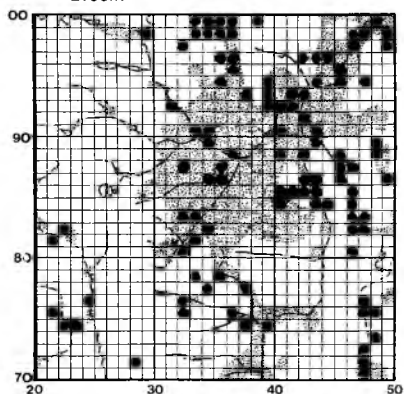
97. *Ulex gallii*
Western Gorse



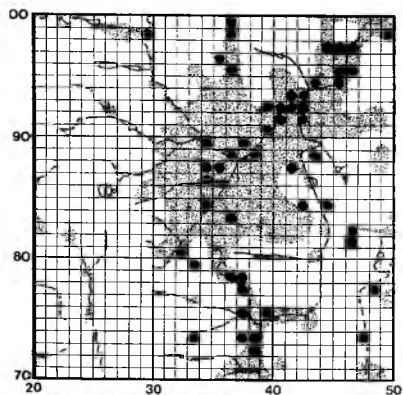
98. *Cytisus scoparius*
Broom



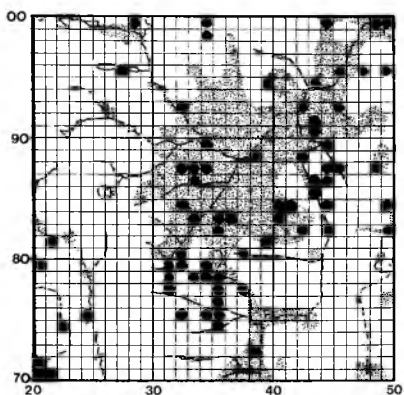
99. *Ononis repens*
Common Restharrow



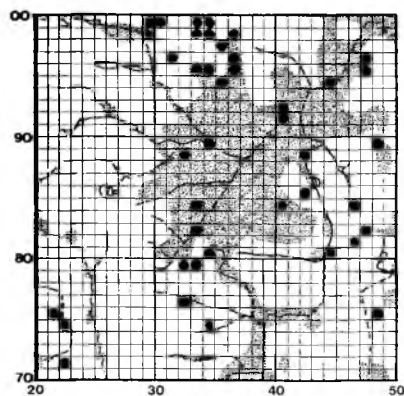
100. *Medicago lupulina*
Black Medick



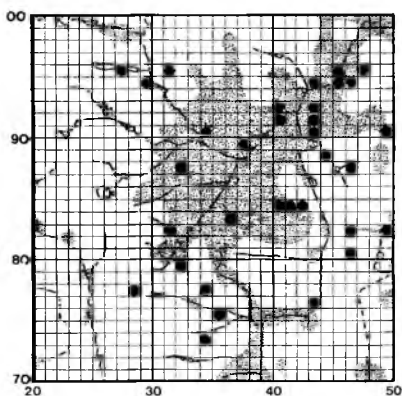
101. *Melilotus officinalis*
Ribbed Melilot



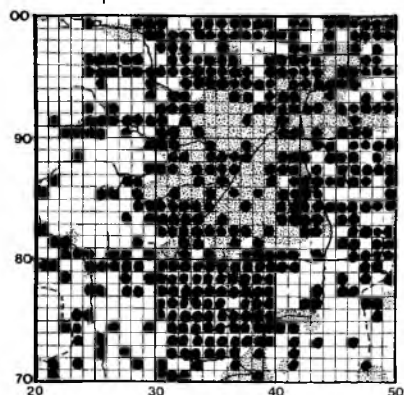
102. *Trifolium dubium*
Lesser Trefoil



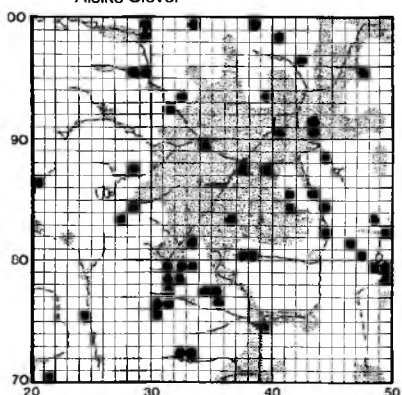
103. *Trifolium campestre*
Hop Trefoil



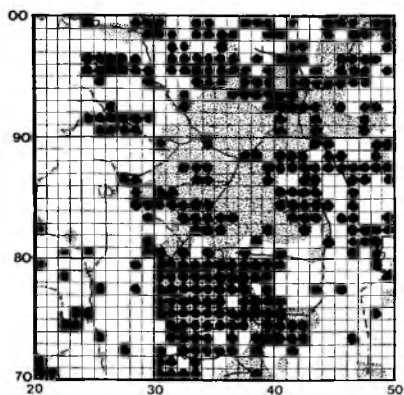
104. *Trifolium hybridum*
Alsike Clover



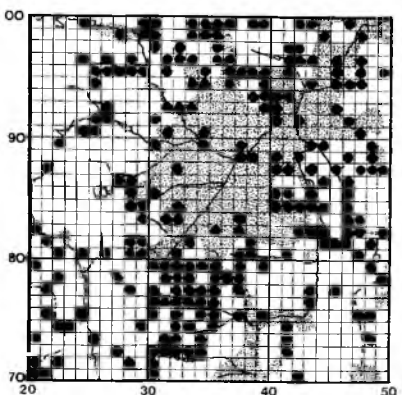
105. *Trifolium repens*
White Clover



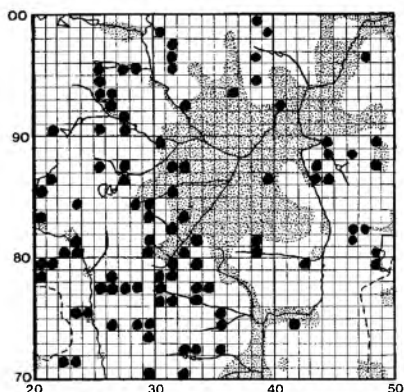
106. *Trifolium medium*
Zigzag Clover



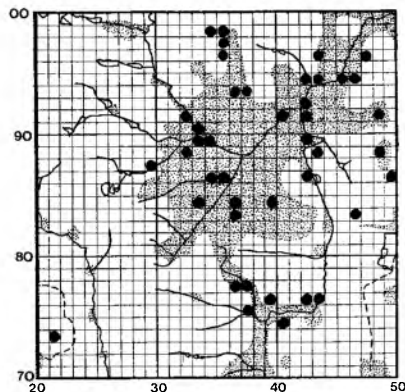
107. *Trifolium pratense*
Red Clover



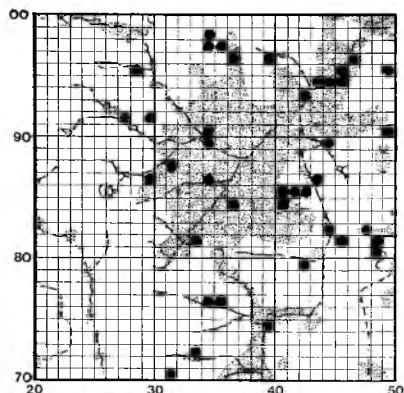
108. *Lotus corniculatus*
Common Bird's-foot-trefoil



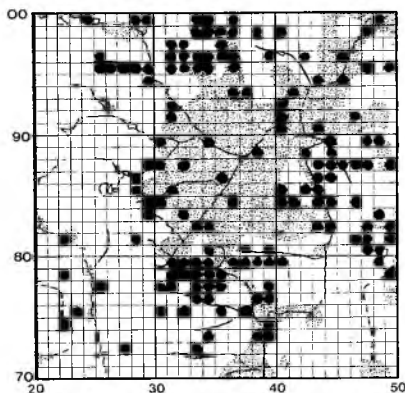
109. ***Lotus uliginosus***
Greater Bird's-foot-trefoil



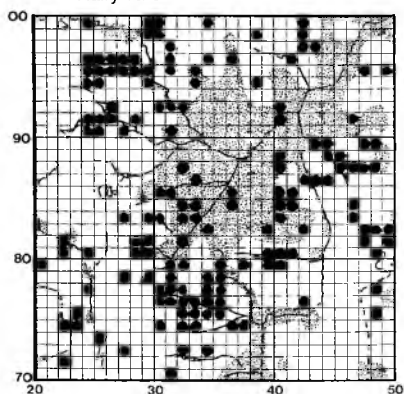
110. ***Galega officinalis***
Goat's-rue



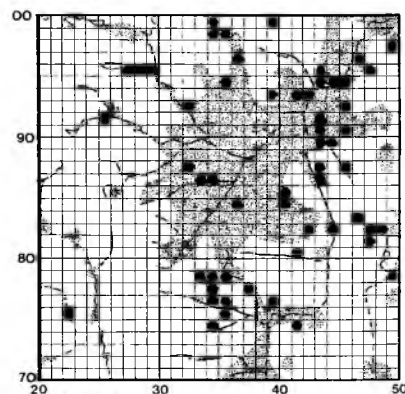
111. ***Vicia hirsuta***
Hairy Tare



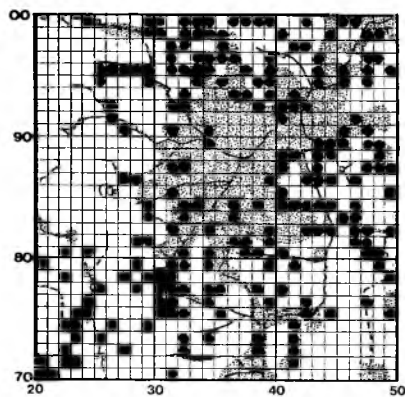
112. ***Vicia cracca***
Tufted Vetch



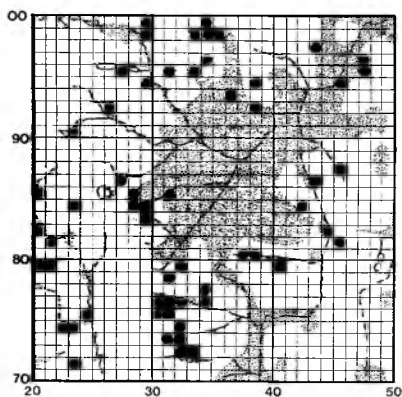
113. ***Vicia sepium***
Bush Vetch



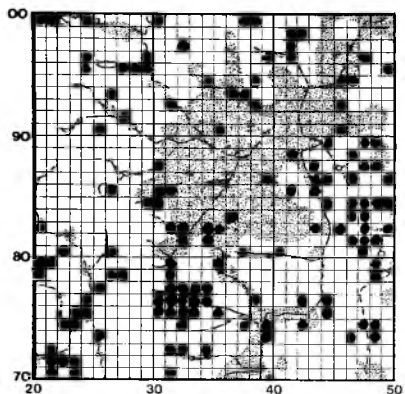
114. ***Vicia sativa***
Common Vetch



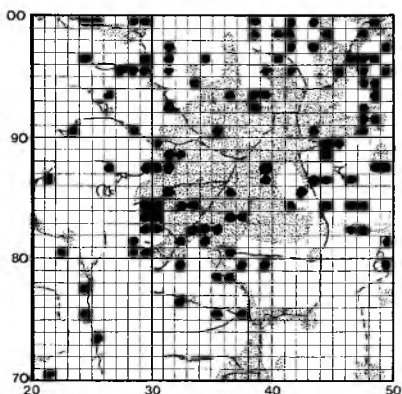
115. *Lathyrus pratensis*
Meadow Vetchling



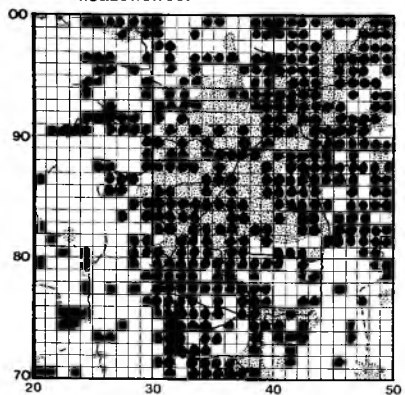
116. *Lathyrus montanus*
Bitter-vetch



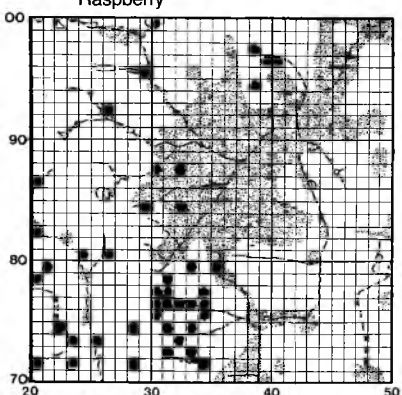
117. *Filipendula ulmaria*
Meadowsweet



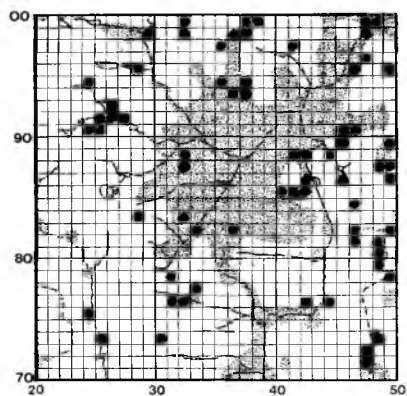
118. *Rubus idaeus*
Raspberry



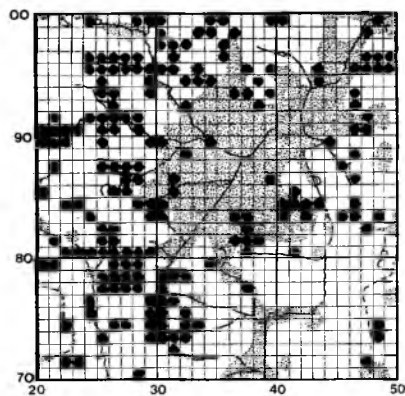
119. *Rubus fruticosus, sensu lato*
Bramble



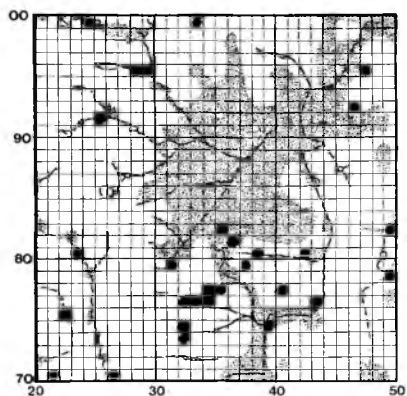
120. *Potentilla sterilis*
Barren Strawberry



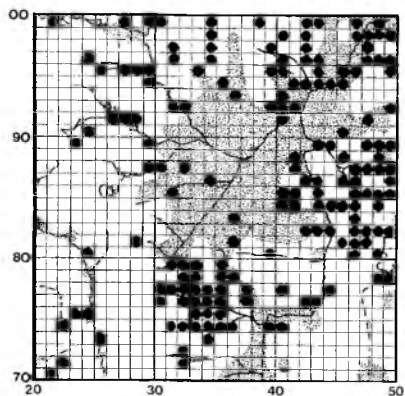
121. *Potentilla anserina*
Silverweed



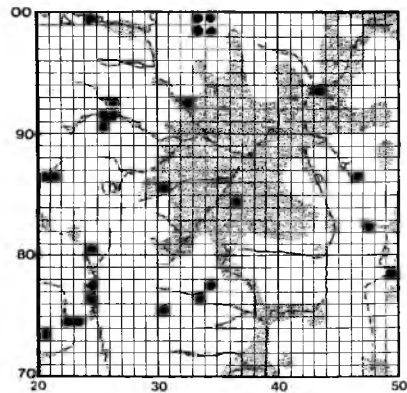
122. *Potentilla erecta*
Tormentil



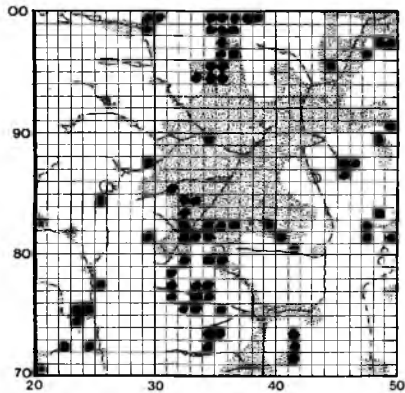
123. *Potentilla anglica*
Trailing Tormentil



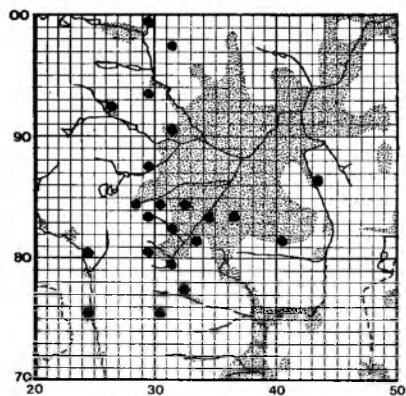
124. *Potentilla reptans*
Creeping Cinquefoil



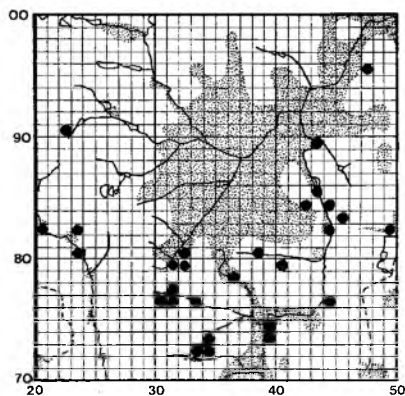
125. *Fragaria vesca*
Wild Strawberry



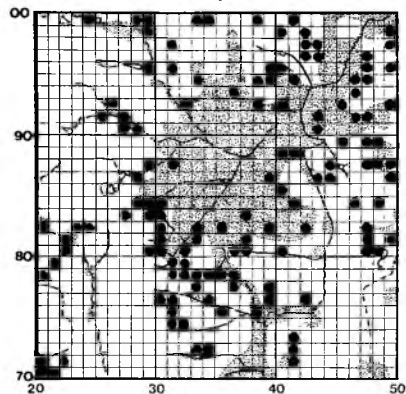
126. *Geum urbanum*
Wood Avens



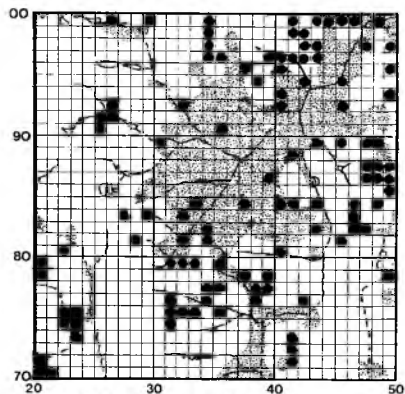
127. *Alchemilla xanthocolora*
Intermediate Lady's-mantle



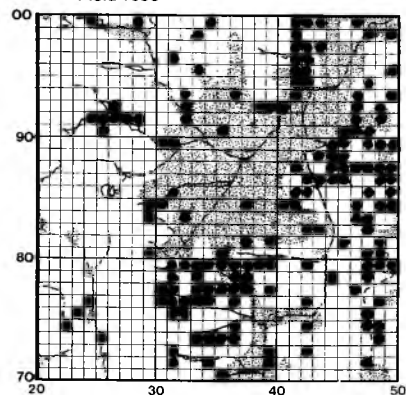
128. *Sanguisorba officinalis*
Great Burnet



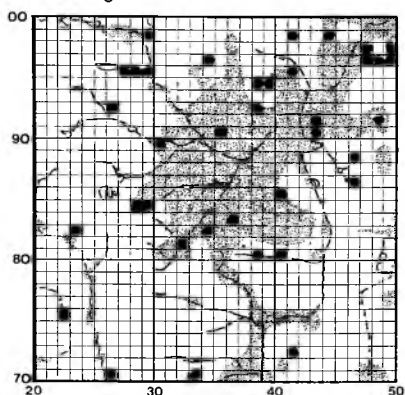
129. *Rosa arvensis*
Field-rose



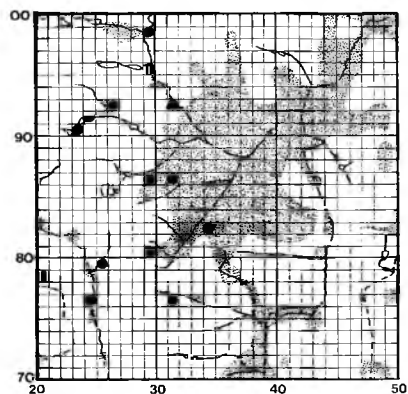
130. *Rosa canina* group
Dog-rose



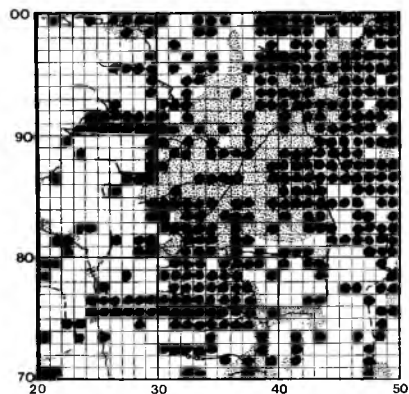
131. *Prunus spinosa*
Blackthorn



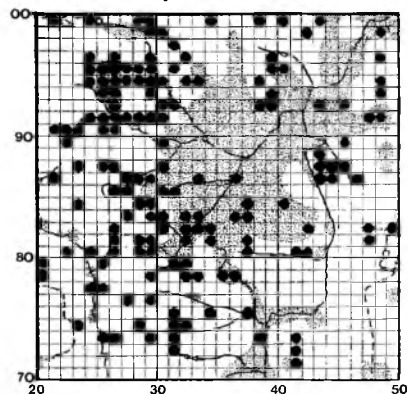
132. *Prunus avium*
Wild Cherry



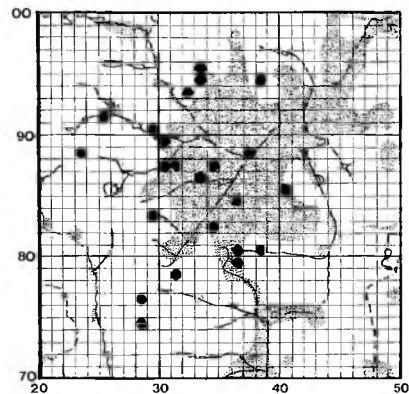
133. *Prunus padus*
Bird Cherry



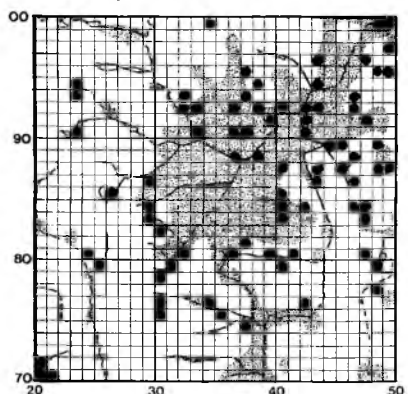
134. *Crataegus monogyna*
Hawthorn



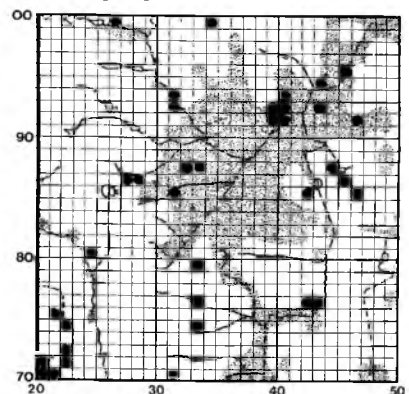
135. *Sorbus aucuparia*
Rowan



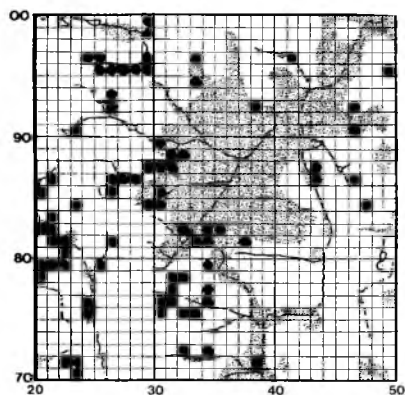
136. *Sorbus aria*
Common Whitebeam



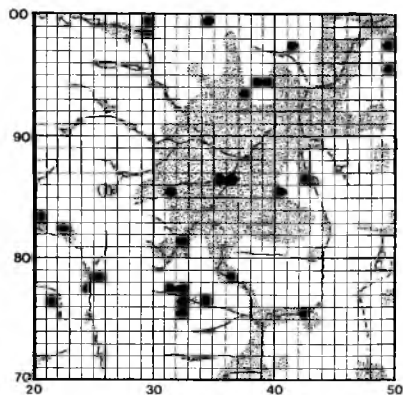
137. *Malus sylvestris*
Crab Apple



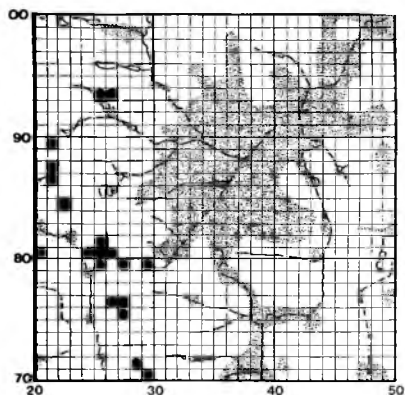
138. *Sedum acre*
Biting Stonecrop



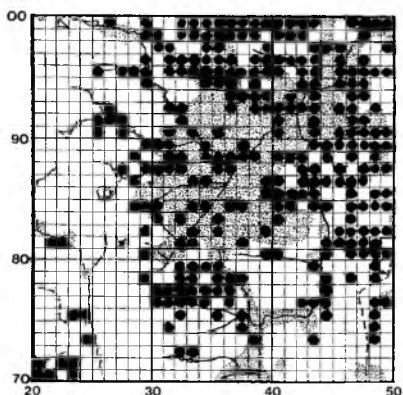
139. *Chrysosplenium oppositifolium*
Opposite-leaved Golden-saxifrage



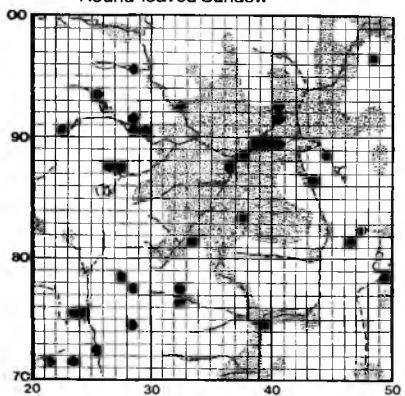
140. *Ribes uva-crispa*
Gooseberry



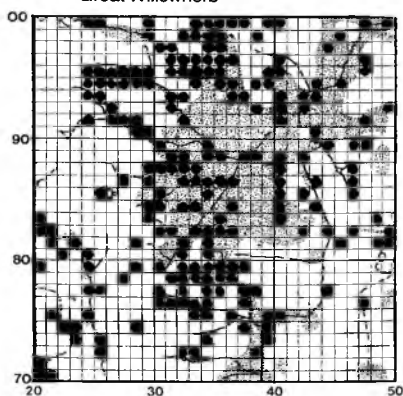
141. *Drosera rotundifolia*
Round-leaved Sundew



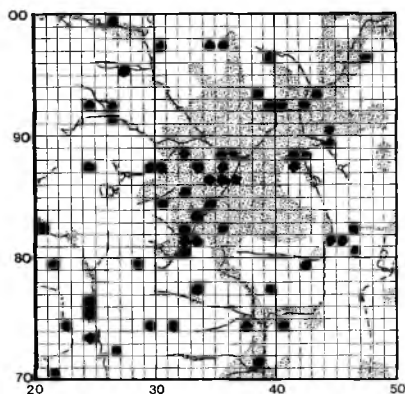
142. *Epilobium hirsutum*
Great Willowherb



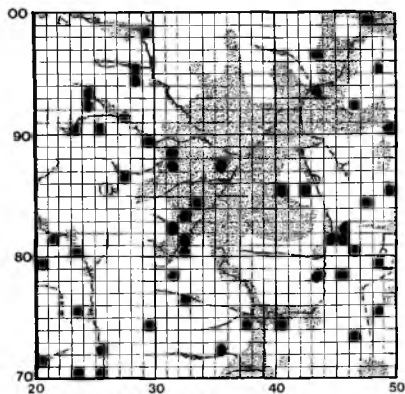
143. *Epilobium parviflorum*
Hoary Willowherb



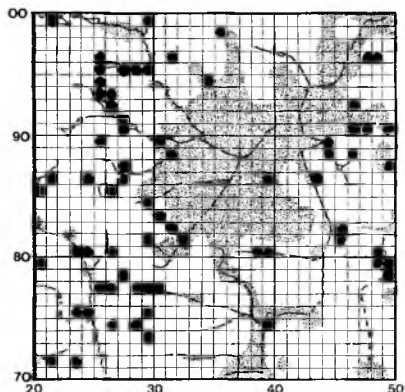
144. *Epilobium montanum*
Broad-leaved Willowherb



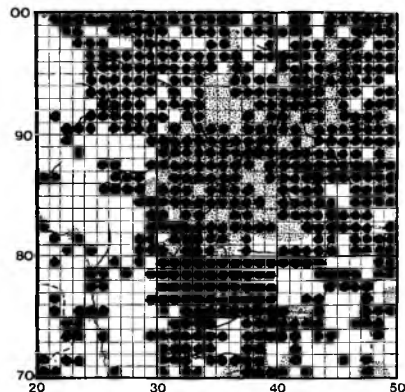
145. *Epilobium ciliatum*
American Willowherb



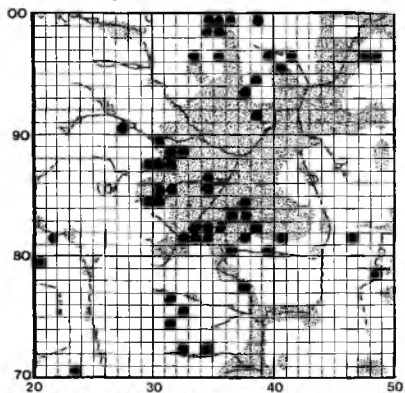
146. *Epilobium obscurum*
Short-fruited Willowherb



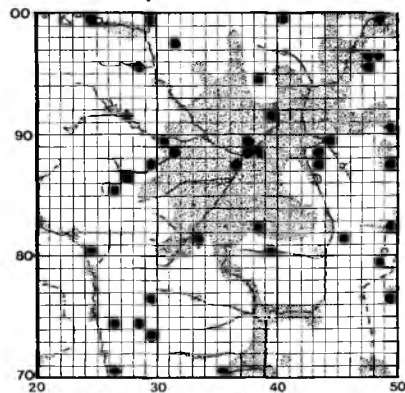
147. *Epilobium palustre*
Marsh Willowherb



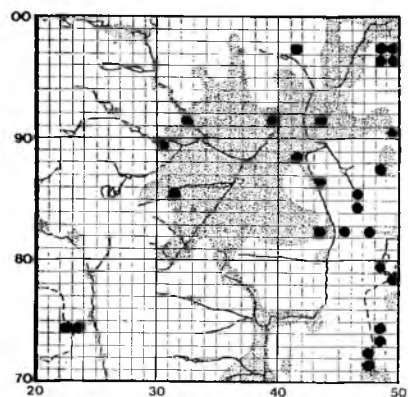
148. *Chamerion angustifolium*
Rosebay Willowherb



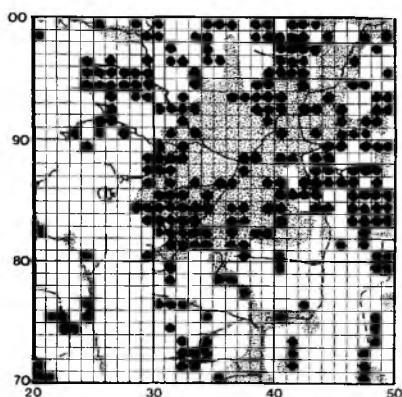
149. *Circaea lutetiana*
Enchanter's-nightshade



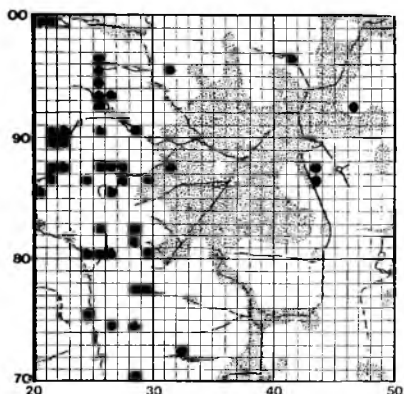
150. *Callitriche stagnalis*
Common Water-starwort



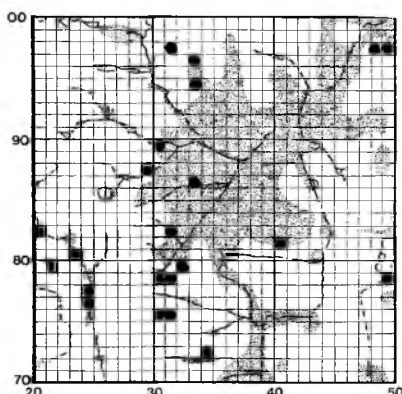
151. *Cornus sanguinea*
Dogwood



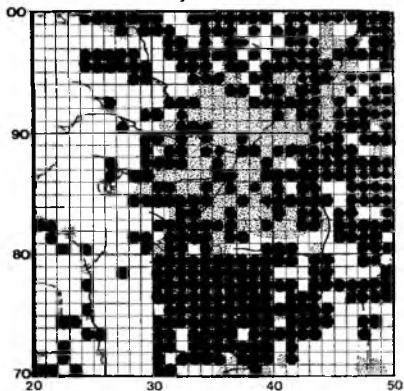
152. *Hedera helix*
Ivy



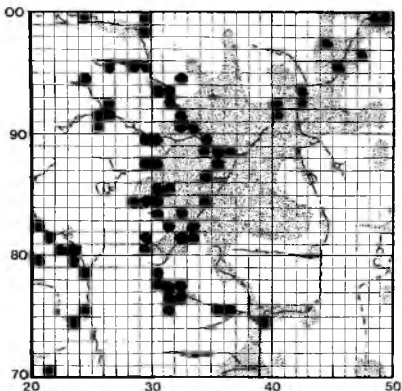
153. *Hydrocotyle vulgaris*
Marsh Pennywort



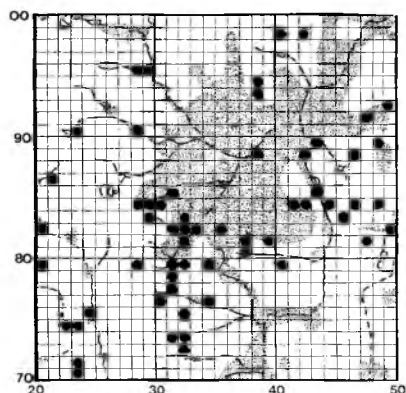
154. *Sanicula europaea*
Sanicle



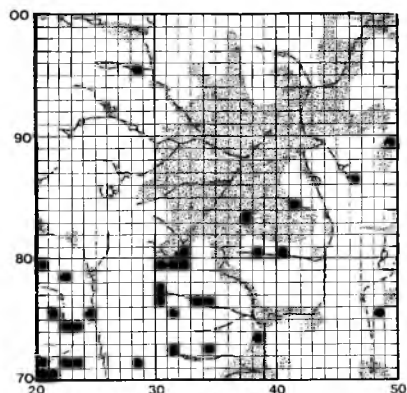
155. *Anthriscus sylvestris*
Cow Parsley



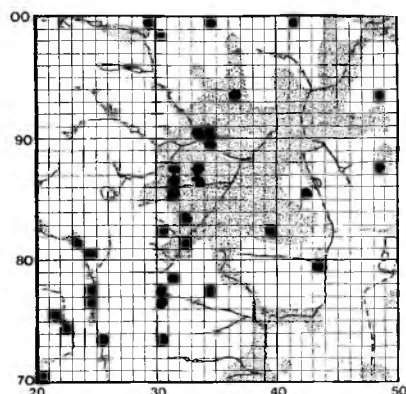
156. *Myrrhis odorata*
Sweet Cicely



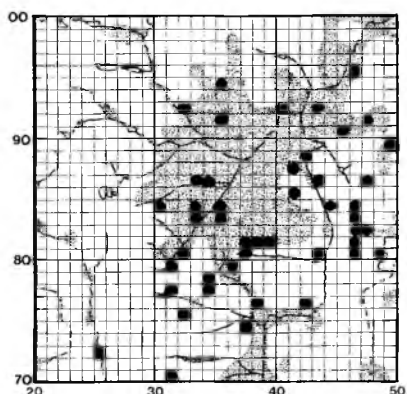
157. *Conopodium majus*
Pignut



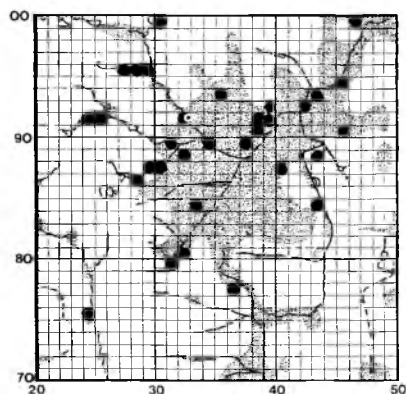
158. *Pimpinella saxifraga*
Burnet-saxifrage



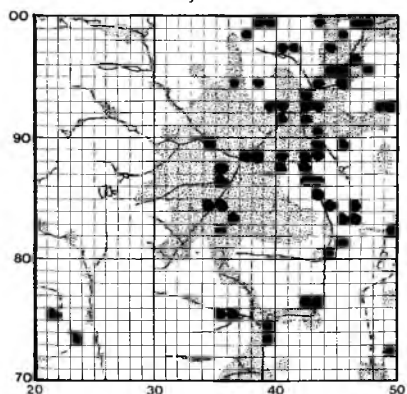
159. *Aegopodium podagraria*
Ground-elder



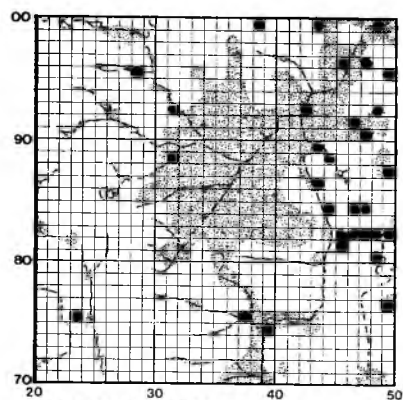
160. *Aethusa cynapium*
Fool's Parsley



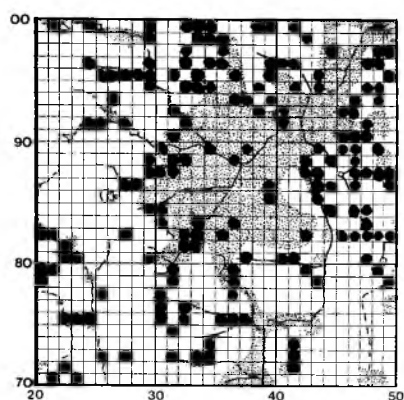
161. *Foeniculum vulgare*
Fennel



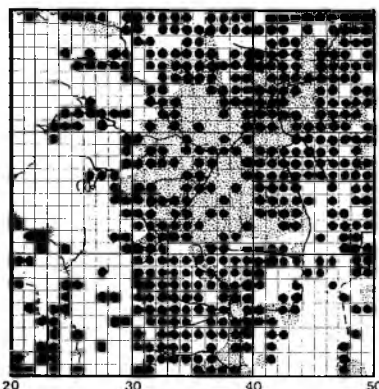
162. *Conium maculatum*
Hemlock



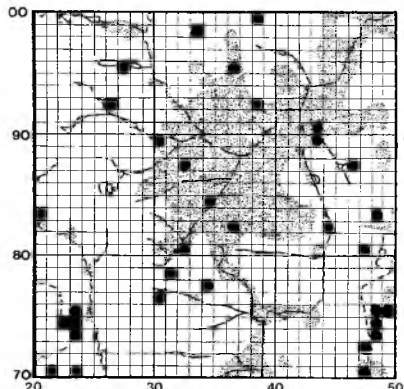
163. *Apium nodiflorum*
Fool's Water-cress



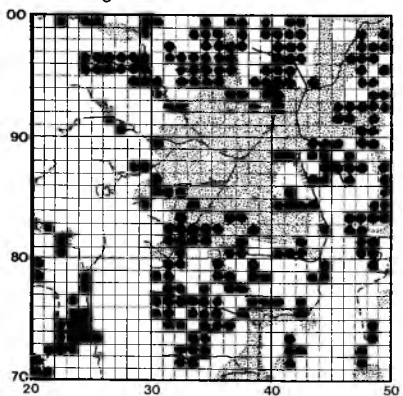
164. *Angelica sylvestris*
Wild Angelica



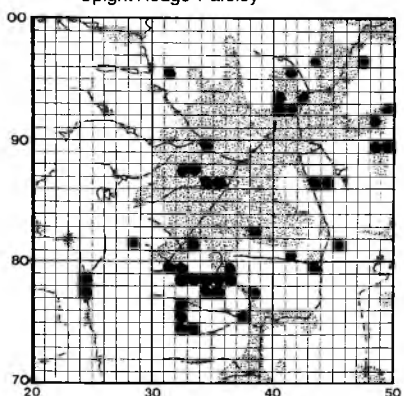
165. *Heracleum sphondylium*
Hogweed



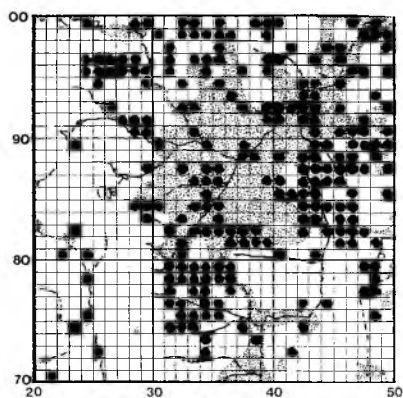
166. *Torilis japonica*
Upright Hedge-Parsley



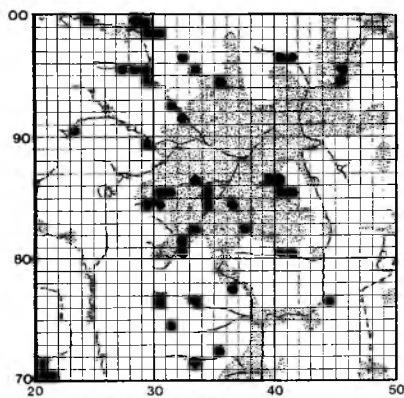
167. *Mercurialis perennis*
Dog's Mercury



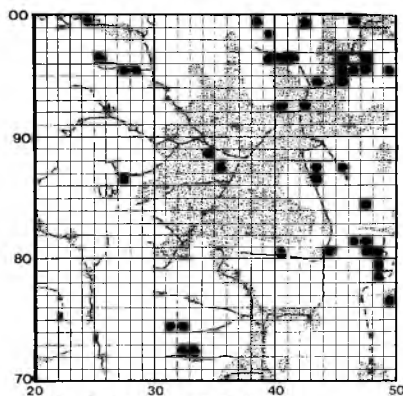
168. *Euphorbia helioscopia*
Sun Spurge



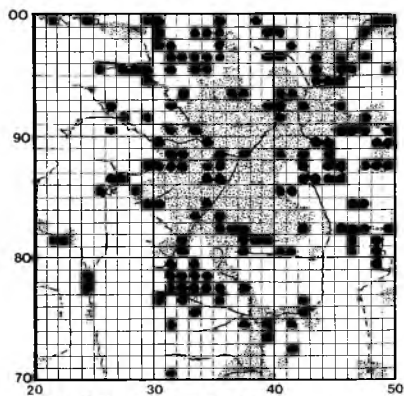
169. *Polygonum aviculare*
Knotgrass



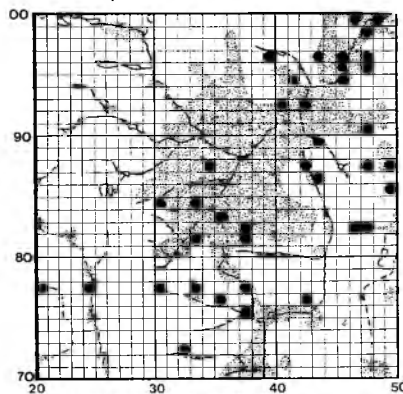
170. *Polygonum bistorta*
Common Bistort



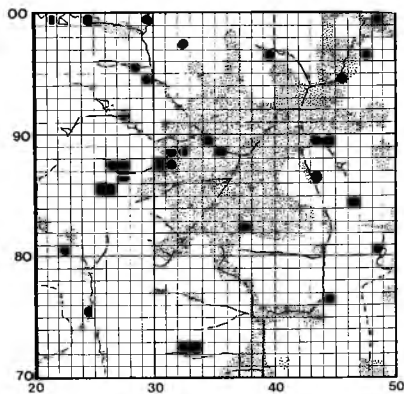
171. *Polygonum amphibium*
Amphibious Bistort



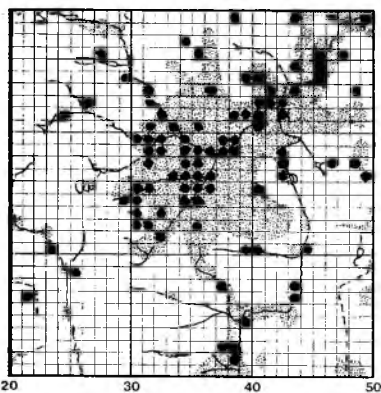
172. *Polygonum persicaria*
Redshank



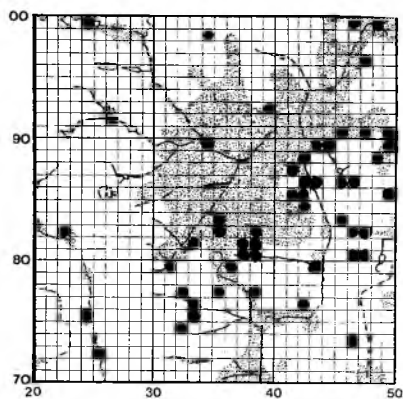
173. *Polygonum lapathifolium*
Pale Persicaria



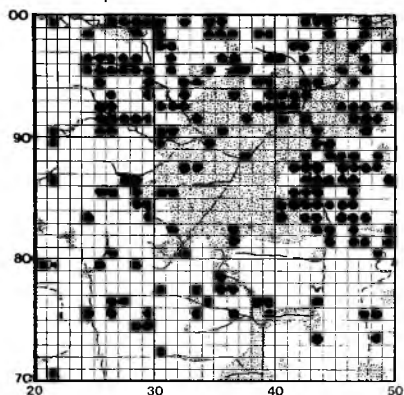
174. *Polygonum hydropiper*
Water-pepper



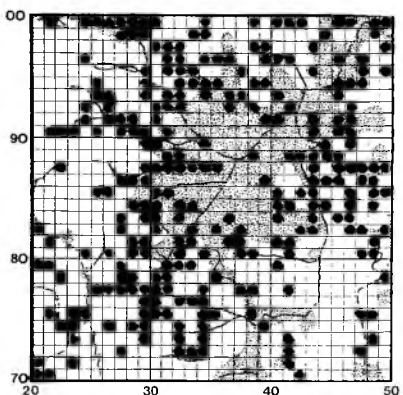
175. *Reynoutria japonica*
Japanese Knotweed



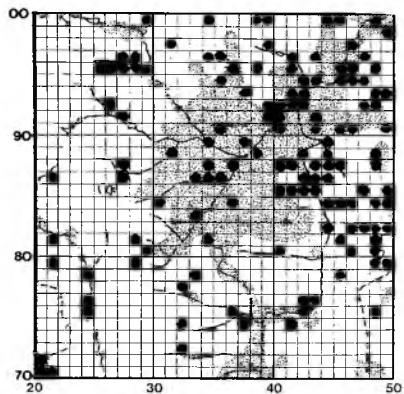
176. *Fallopia convolvulus*
Black-bindweed



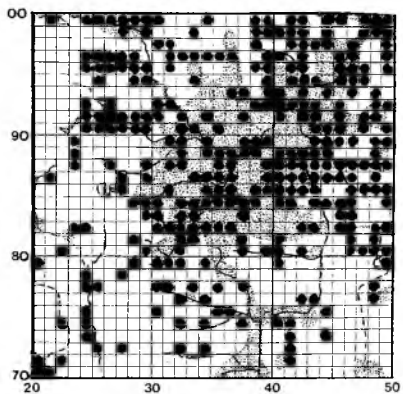
177. *Rumex acetosella*
Sheep's Sorrel



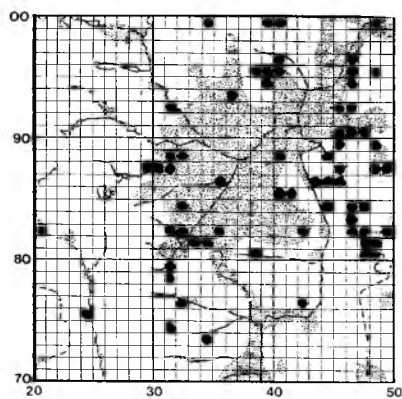
178. *Rumex acetosa*
Common Sorrel



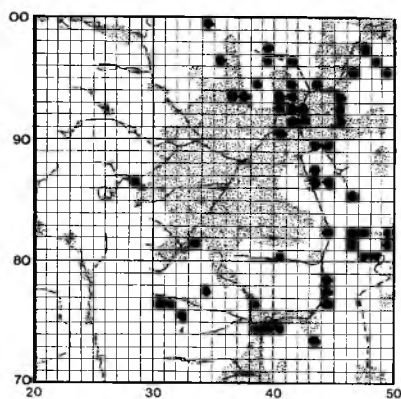
179. *Rumex crispus*
Curled Dock



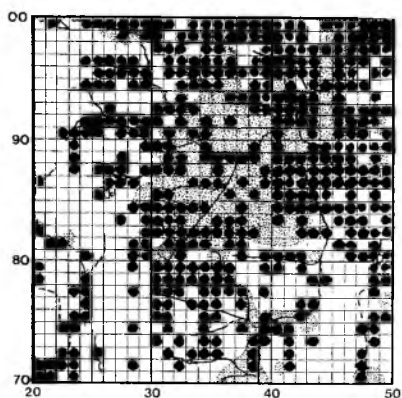
180. *Rumex obtusifolius*
Broad-leaved Dock



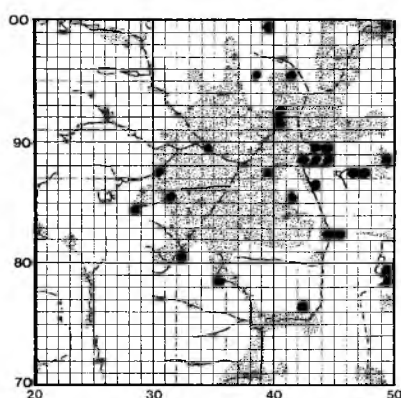
181. *Rumex sanguineus*
Blood-veined Dock



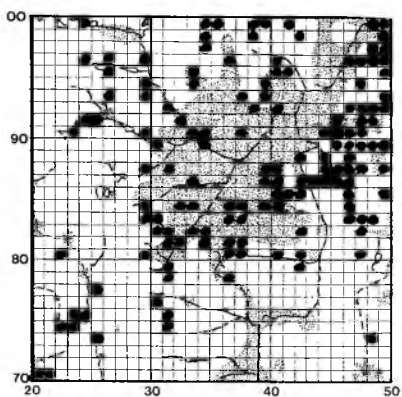
182. *Rumex conglomeratus*
Clustered Dock



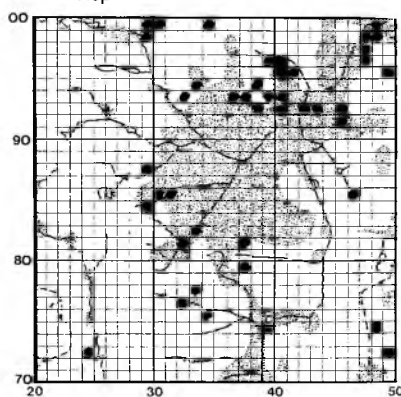
183. *Urtica dioica*
Common Nettle



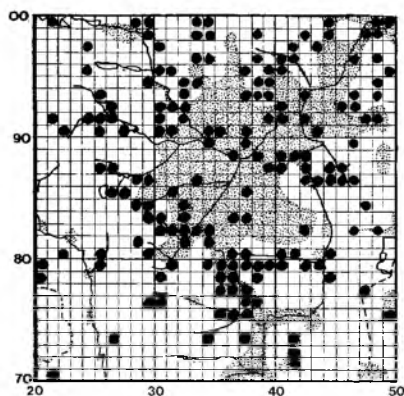
184. *Humulus lupulus*
Hop



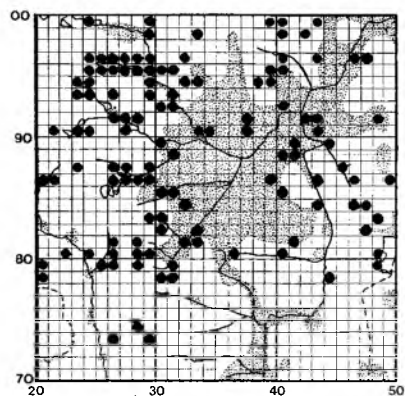
185. *Ulmus glabra*
Wych Elm



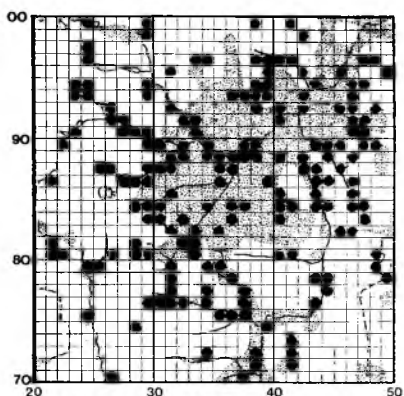
186. *Ulmus procera*
English Elm



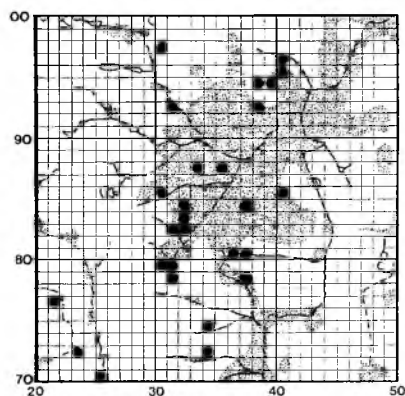
187. *Betula pendula*
Silver Birch



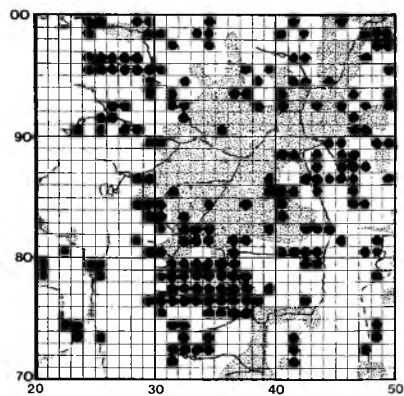
188. *Betula pubescens*
Downy Birch



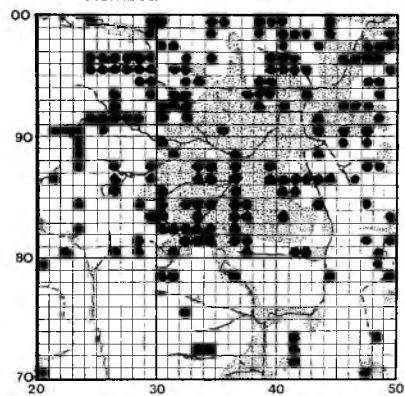
189. *Alnus glutinosa*
Alder



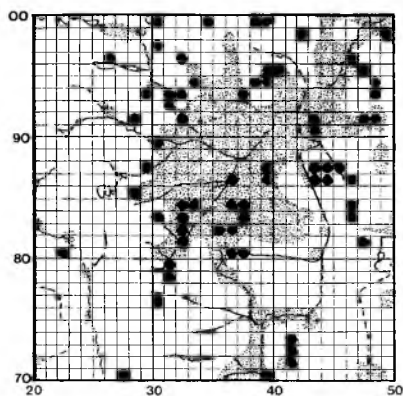
190. *Carpinus betulus*
Hornbeam



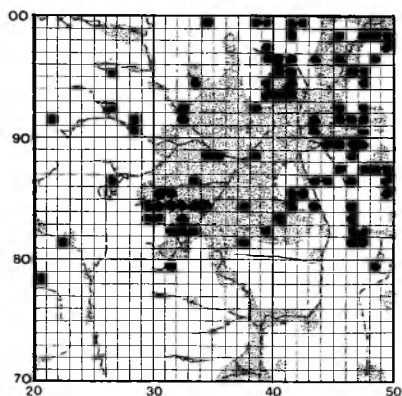
191. *Corylus avellana*
Hazel



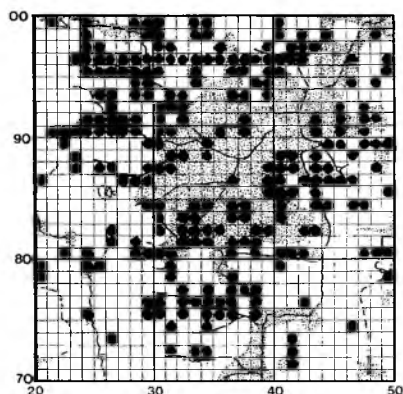
192. *Fagus sylvatica*
Beech



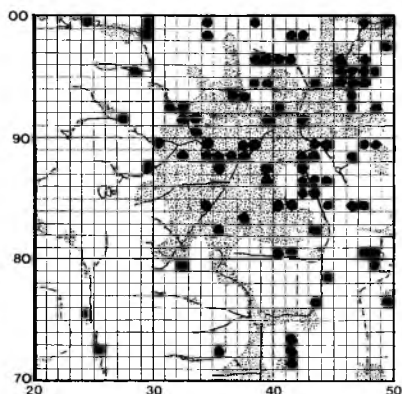
193. *Castanea sativa*
Sweet Chestnut



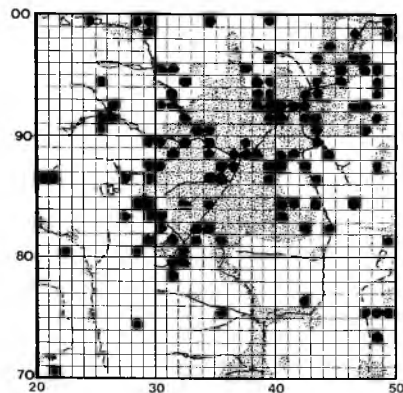
194. *Quercus robur*
Pedunculate Oak



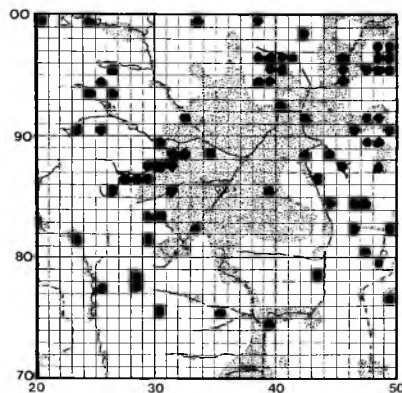
195. *Quercus petraea*
Sessile Oak



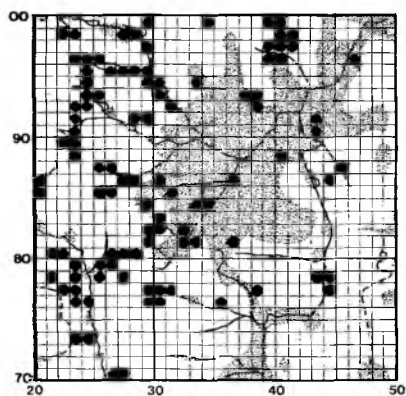
196. *Salix fragilis*
Crack Willow



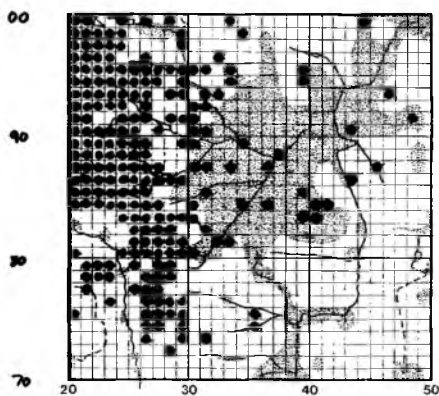
197. *Salix caprea*
Goat Willow



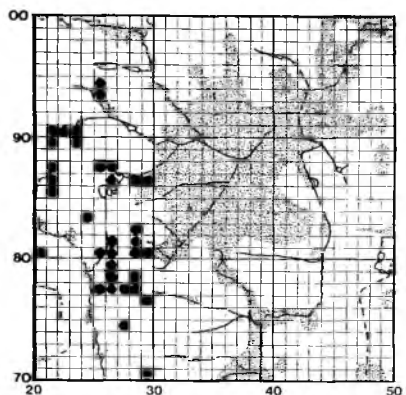
198. *Salix cinerea*
Grey Willow



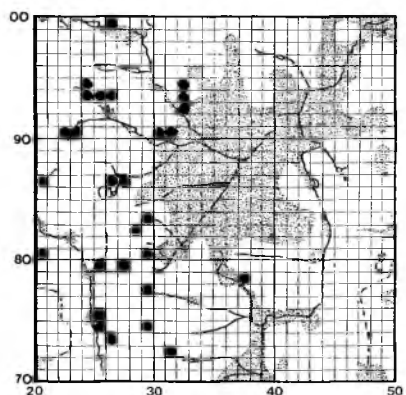
199. *Rhododendron ponticum*
Rhododendron



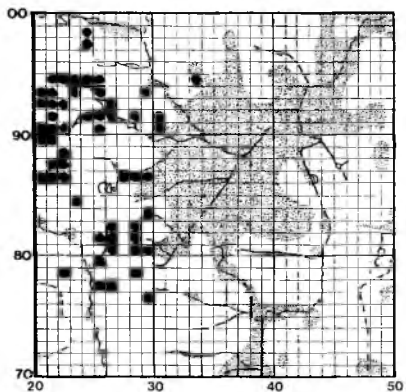
200. *Calluna vulgaris*
Heather



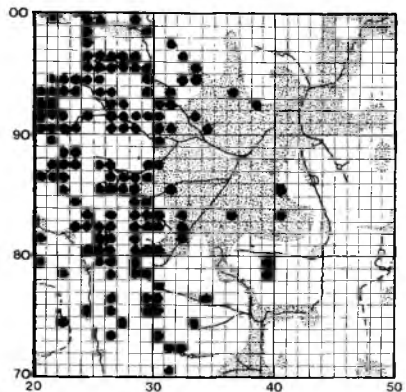
201. *Erica tetralix*
Cross-leaved Heath



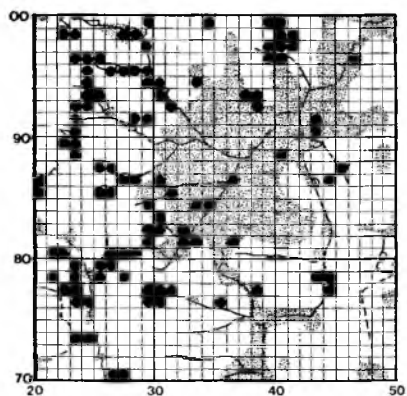
202. *Erica cinerea*
Bell Heather



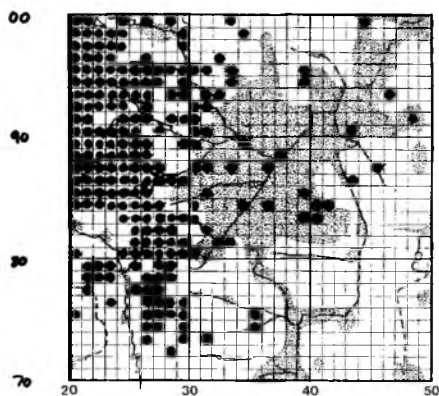
203. *Vaccinium vitis-idaea*
Cowberry



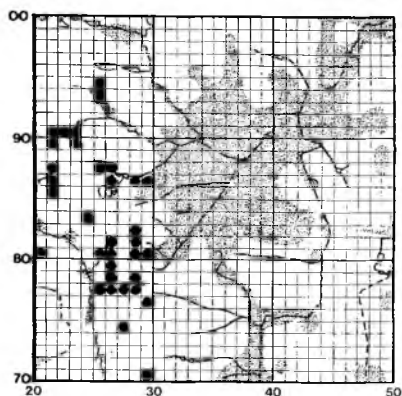
204. *Vaccinium myrtillus*
Bilberry



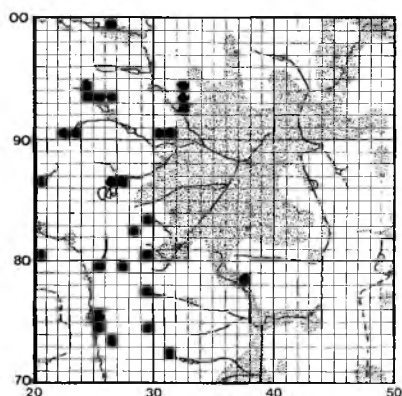
199. *Rhododendron ponticum*
Rhododendron



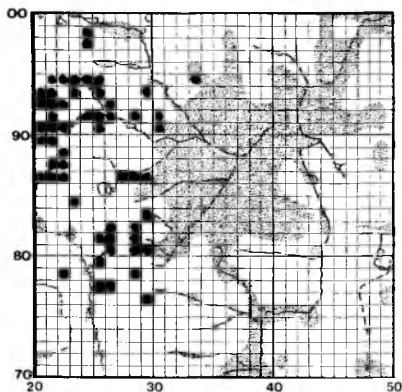
200. *Calluna vulgaris*
Heather



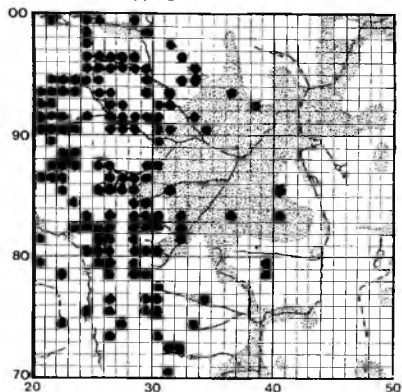
201. *Erica tetralix*
Cross-leaved Heath



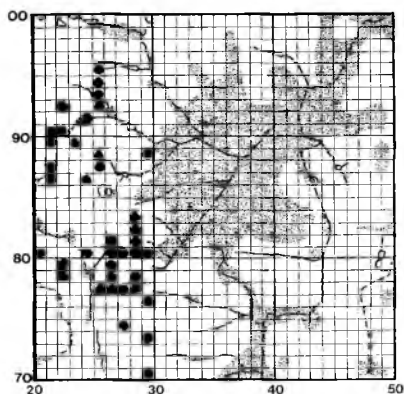
202. *Erica cinerea*
Bell Heather



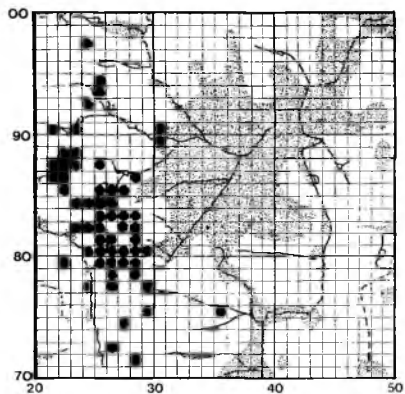
203. *Vaccinium vitis-idaea*
Cowberry



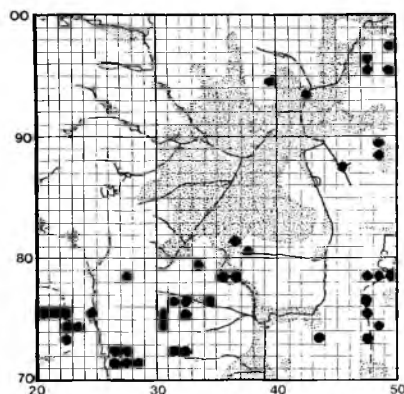
204. *Vaccinium myrtillus*
Bilberry



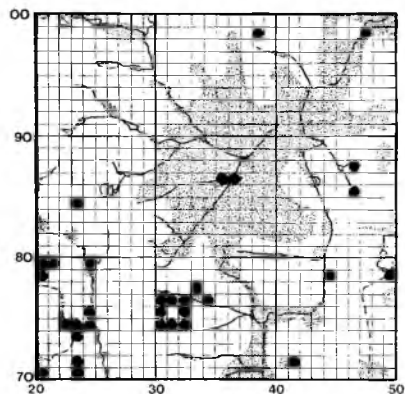
205. *Vaccinium oxycoccus*
Cranberry



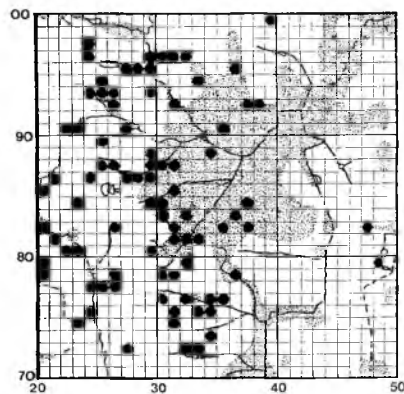
206. *Empetrum nigrum*
Crowberry



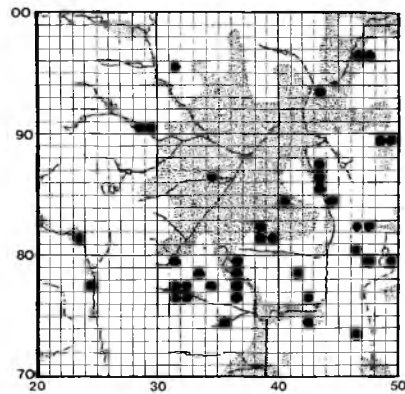
207. *Primula veris*
Cowslip



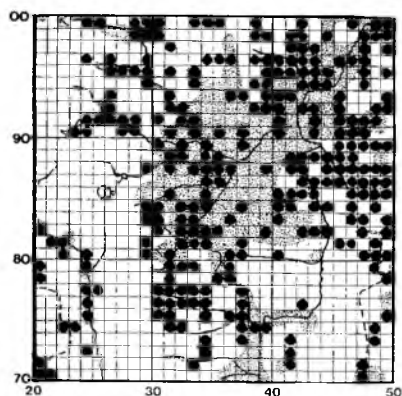
208. *Primula vulgaris*
Primrose



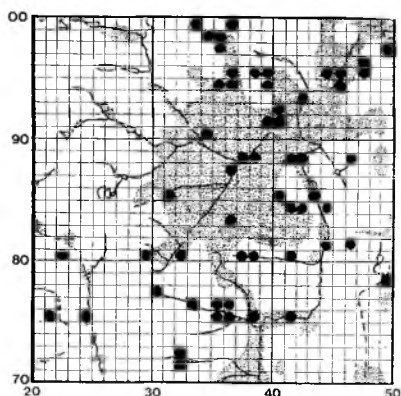
209. *Lysimachia nemorum*
Yellow Pimpernel



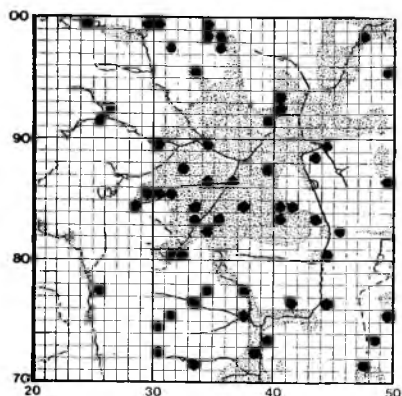
210. *Anagallis arvensis*
Scarlet Pimpernel



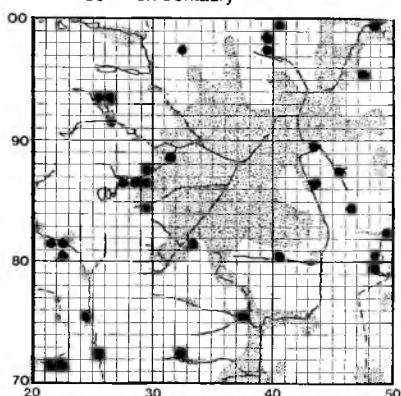
211. *Fraxinus excelsior*
Ash



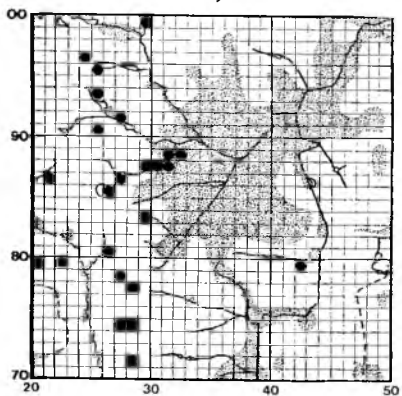
212. *Centaurium erythraea*
Common Centaury



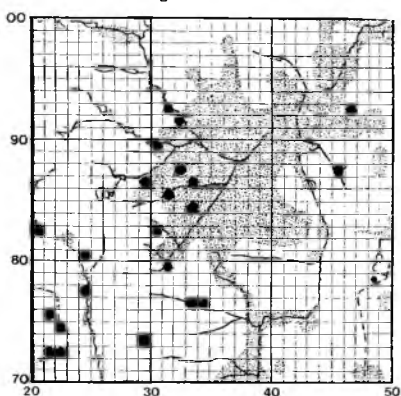
213. *Symphytum officinale*
Common Comfrey



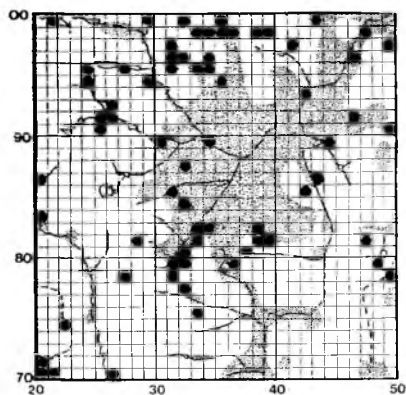
214. *Myosotis scorpioides*
Water Forget-me-not



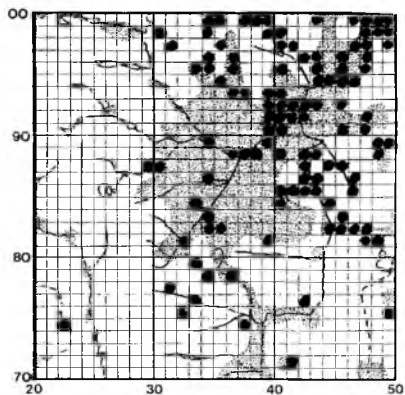
215. *Myosotis secunda*
Creeping Forget-me-not



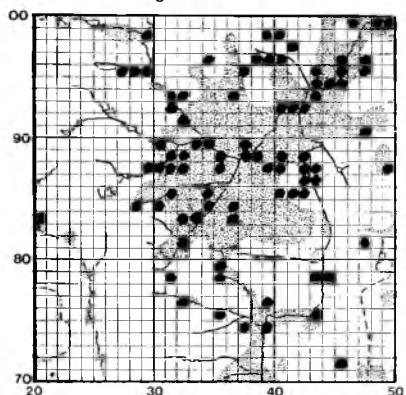
216. *Myosotis sylvatica*
Wood Forget-me-not



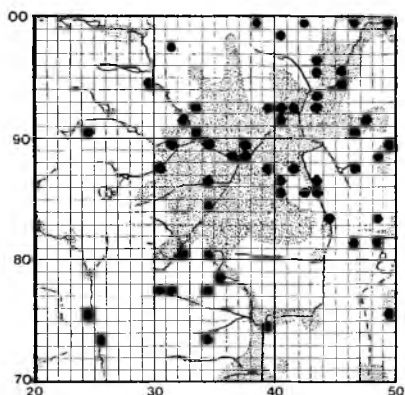
217. *Myosotis arvensis*
Field Forget-me-not



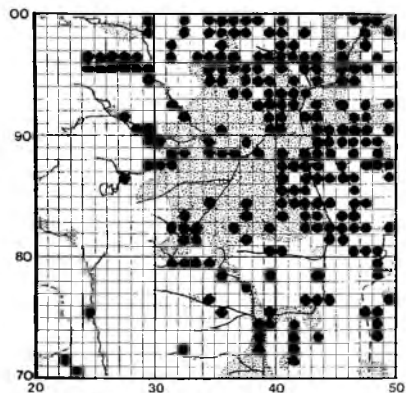
218. *Convolvulus arvensis*
Field Bindweed



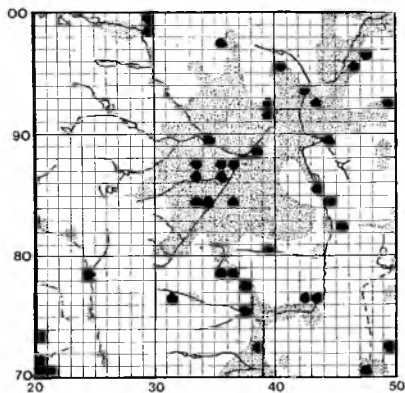
219. *Calystegia sepium*
Bellbine, Larger Bindweed



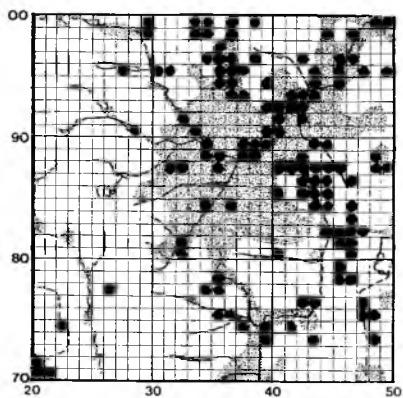
220. *Calystegia sepium* ssp. *silvatica*
Large Bindweed



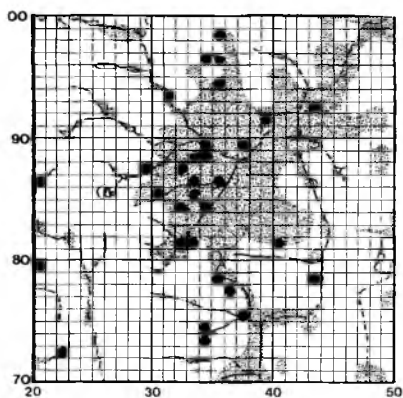
221. *Solanum dulcamara*
Bittersweet



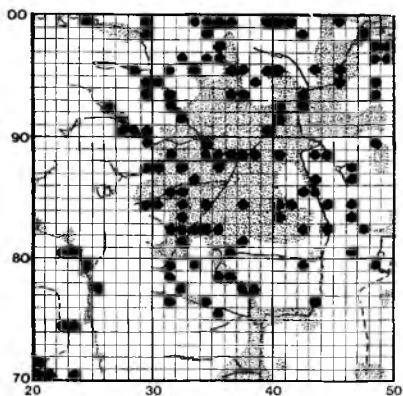
222. *Verbascum thapsus*
Great Mullein



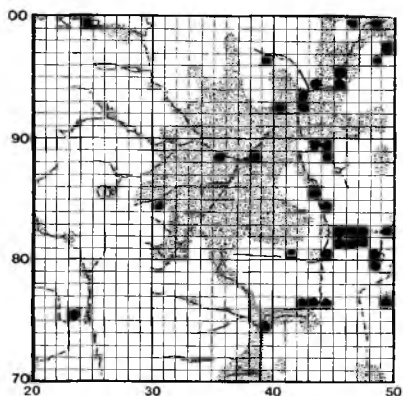
223. *Linaria vulgaris*
Common Toadflax



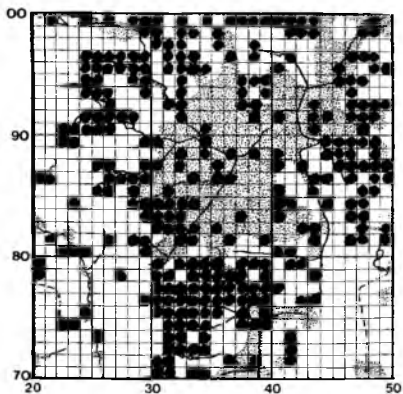
224. *Cymbalaria muralis*
Ivy-leaved Toadflax



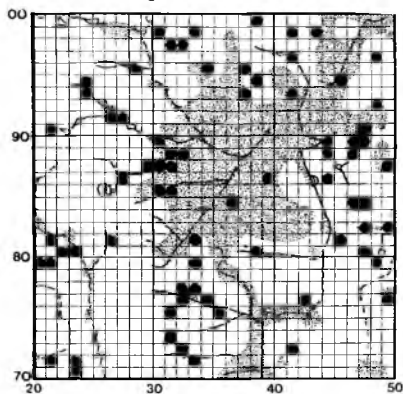
225. *Scrophularia nodosa*
Common Figwort



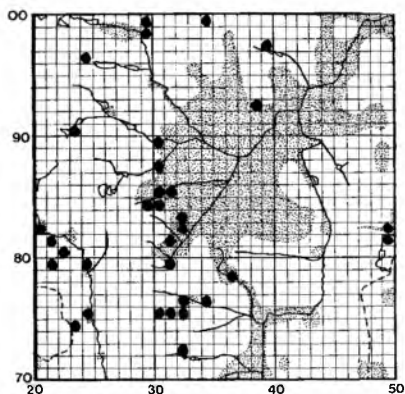
226. *Scrophularia auriculata*
Water Figwort



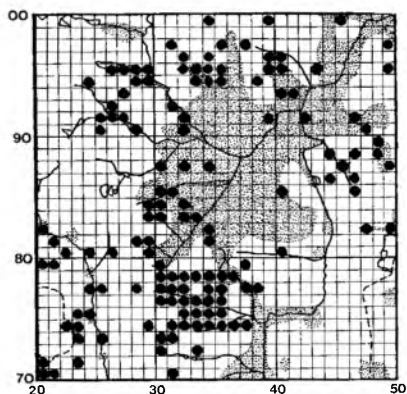
227. *Digitalis purpurea*
Foxglove



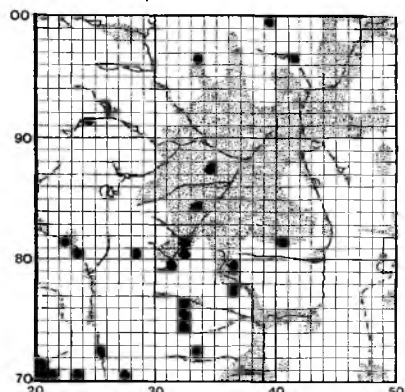
228. *Veronica beccabunga*
Brooklime



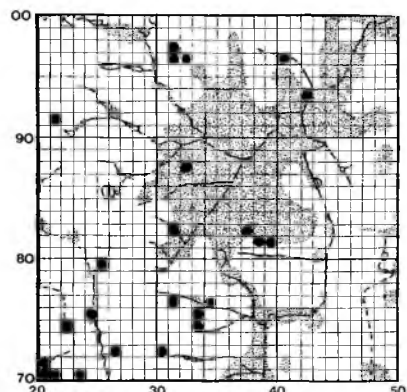
229. *Veronica montana*
Wood Speedwell



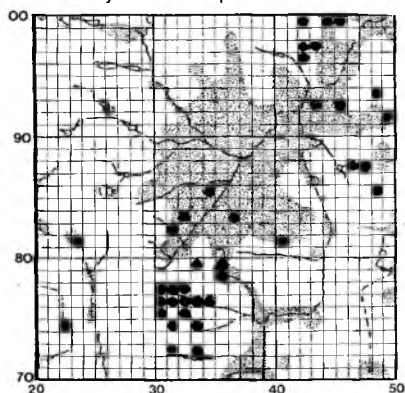
230. *Veronica chamaedrys*
Germander Speedwell



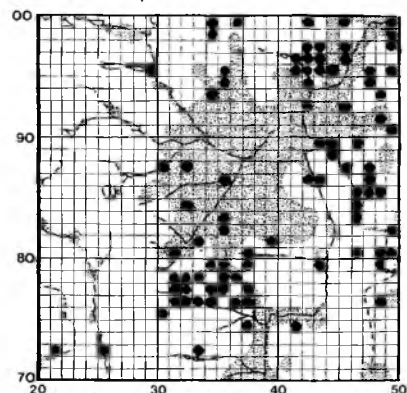
231. *Veronica serpyllifolia*
Thyme-leaved Speedwell



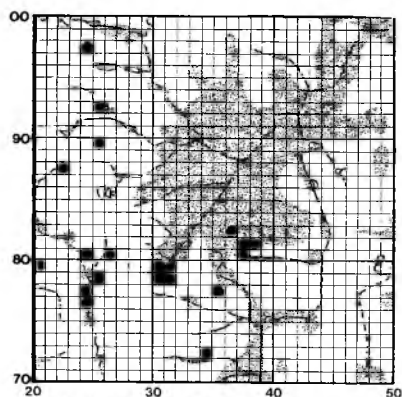
232. *Veronica arvensis*
Wall Speedwell



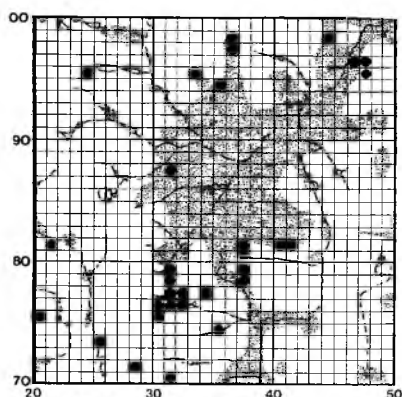
233. *Veronica hederifolia*
Ivy-leaved Speedwell



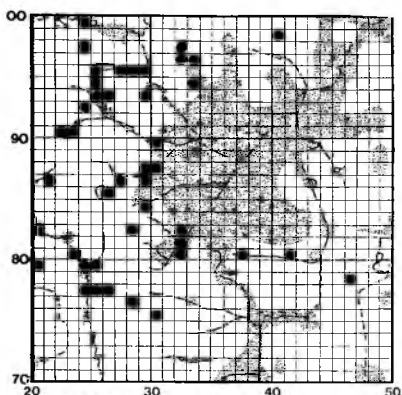
234. *Veronica persica*
Common Field-speedwell



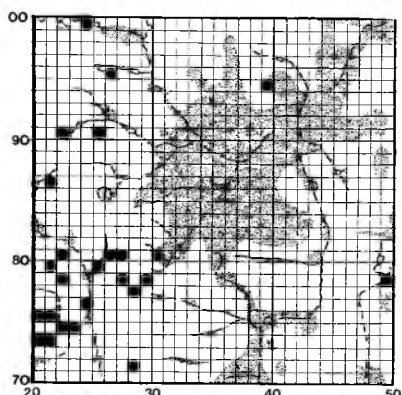
235. *Pedicularis sylvatica*
Lousewort



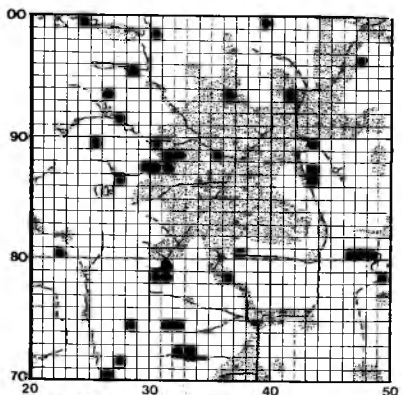
236. *Rhinanthus minor*
Yellow-rattle



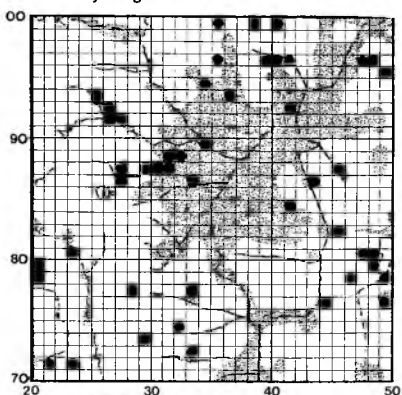
237. *Melampyrum pratense*
Common Cow-wheat



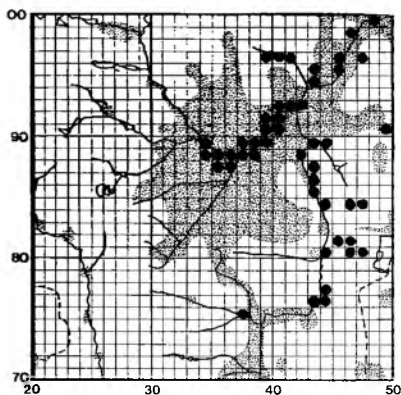
238. *Euphrasia officinalis, sensu lato*
Eyebright



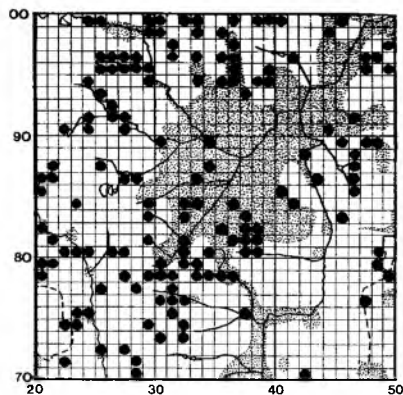
239. *Mentha arvensis*
Corn Mint



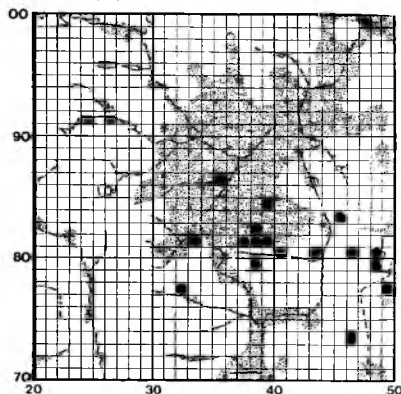
240. *Mentha aquatica*
Water Mint



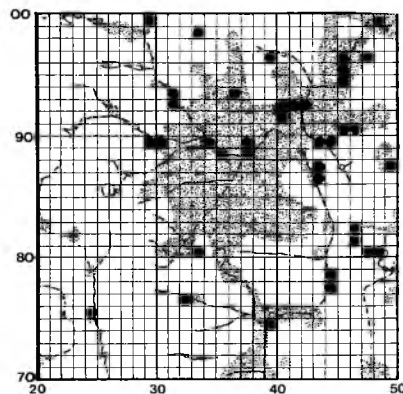
241. ***Lycopus europaeus***
Gipswort



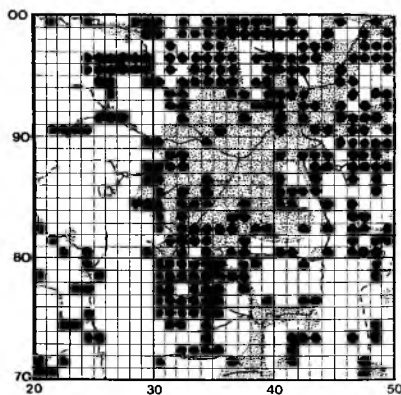
242. ***Prunella vulgaris***
Selfheal



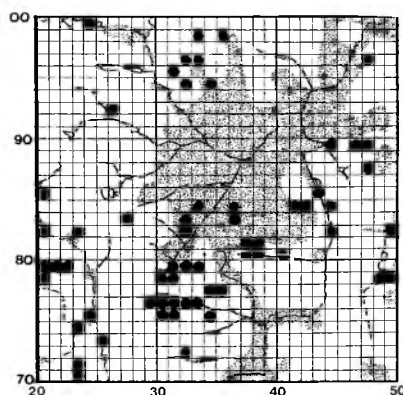
243. ***Stachys arvensis***
Field Woundwort



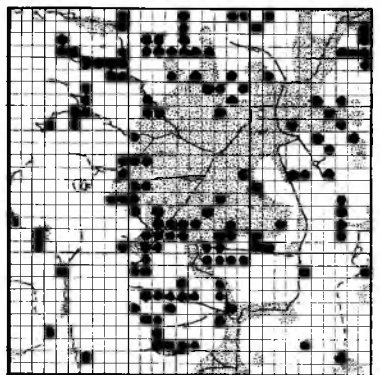
244. ***Stachys palustris***
Marsh Woundwort



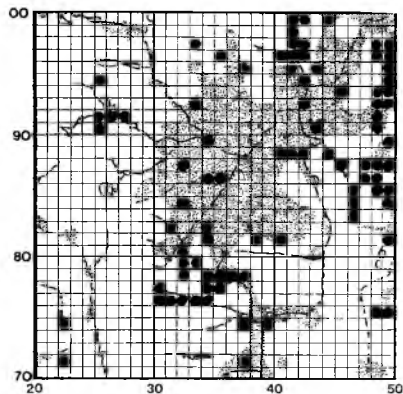
245. ***Stachys sylvatica***
Hedge Woundwort



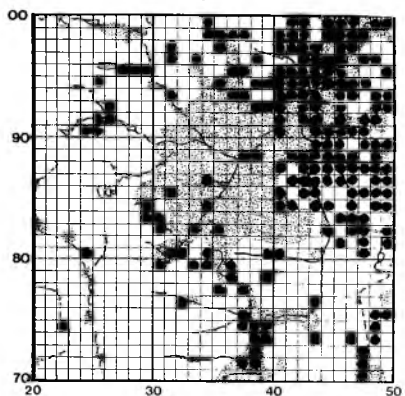
246. ***Stachys officinalis***
Betony



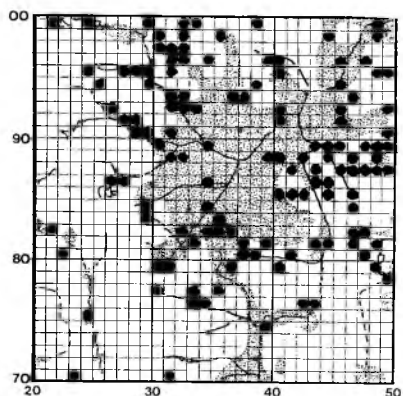
247. *Lamiastrum galeobdolon*
Yellow Archangel



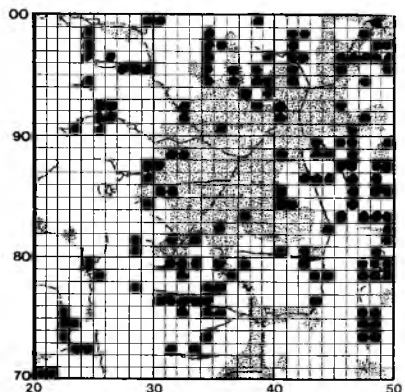
248. *Lamium purpureum*
Red Dead-nettle



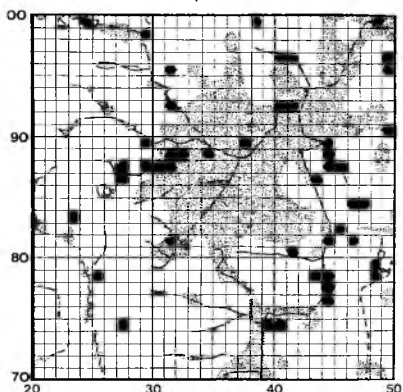
249. *Lamium album*
White Dead-nettle



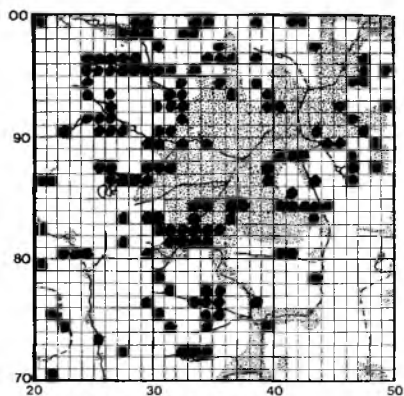
250. *Galeopsis tetrahit*
Common Hemp-nettle



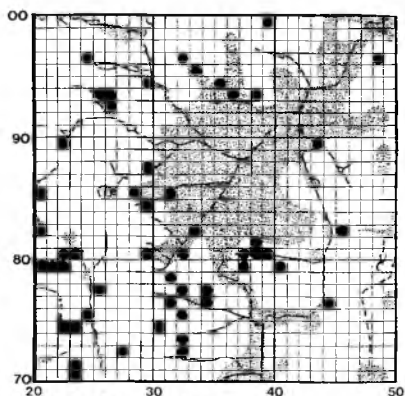
251. *Glechoma hederacea*
Ground-ivy



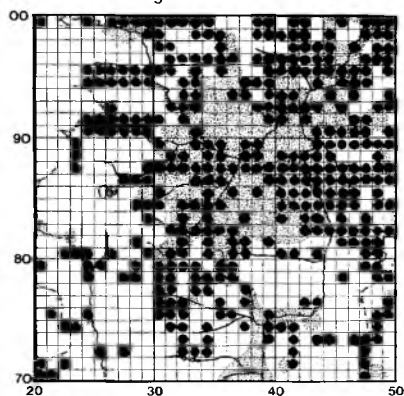
252. *Scutellaria galericulata*
Skullcap



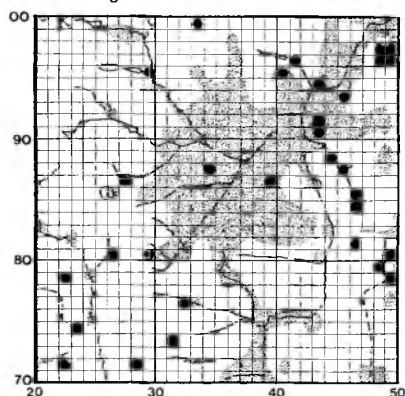
253. *Teucrium scorodonia*
Wood Sage



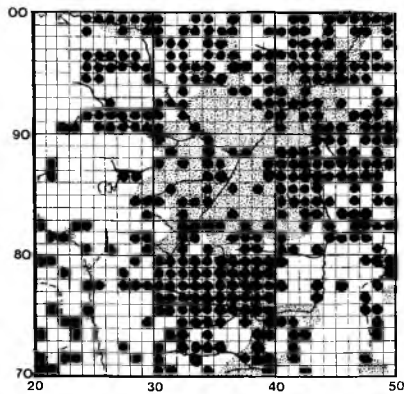
254. *Ajuga reptans*
Bugle



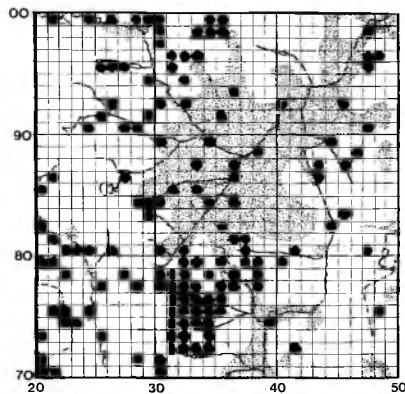
255. *Plantago major*
Greater Plantain



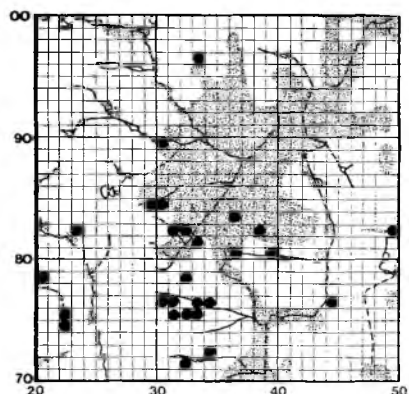
256. *Plantago media*
Hoary Plantain



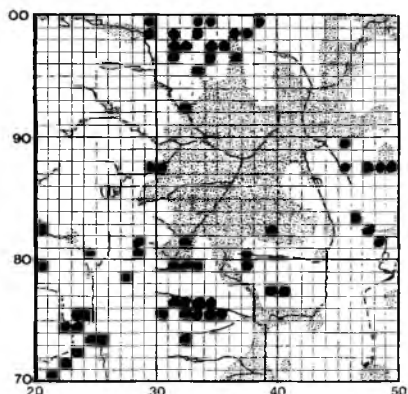
257. *Plantago lanceolata*
Ribwort Plantain



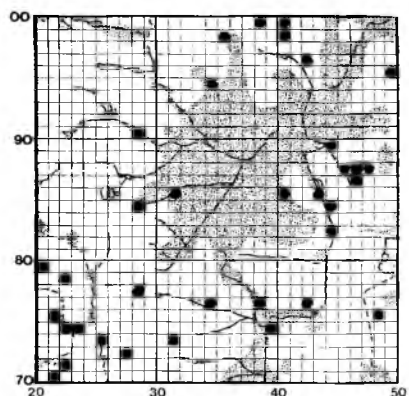
258. *Campanula rotundifolia*
Harebell



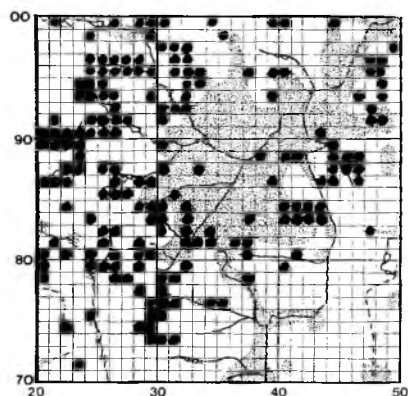
259. *Galium odoratum*
Woodruff



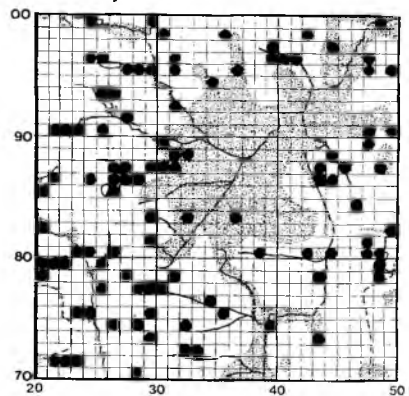
260. *Galium cruciata*
Crosswort



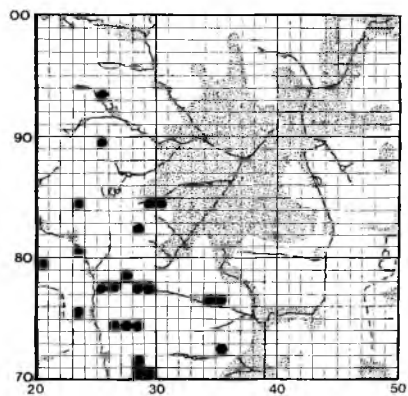
261. *Galium verum*
Lady's Bedstraw



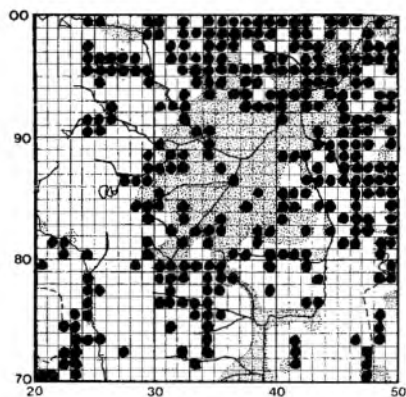
262. *Galium saxatile*
Heath Bedstraw



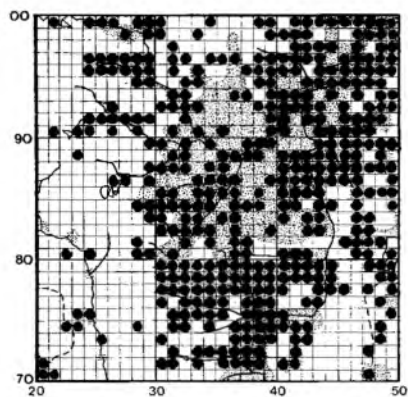
263. *Galium palustre*
Common Marsh-bedstraw



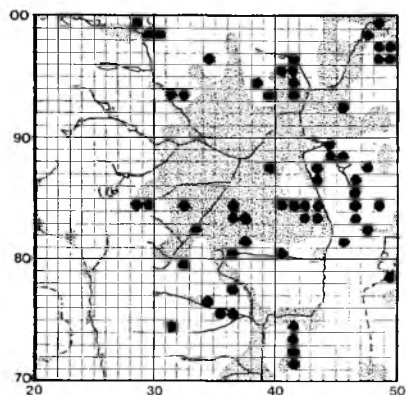
264. *Galium uliginosum*
Fen Bedstraw



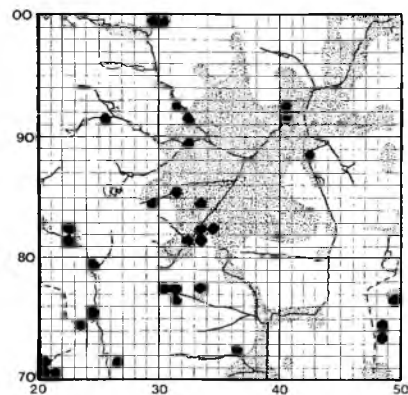
265. *Galium aparine*
Cleavers



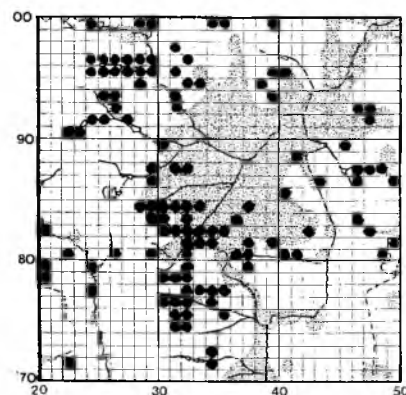
266. *Sambucus nigra*
Elder



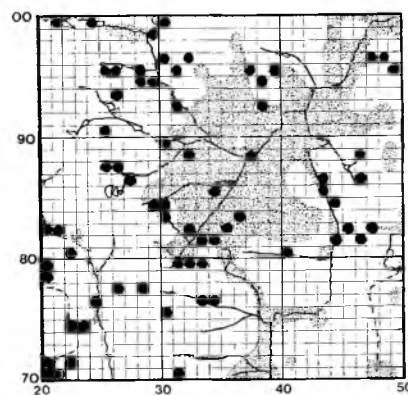
267. *Viburnum opulus*
Guelder-rose



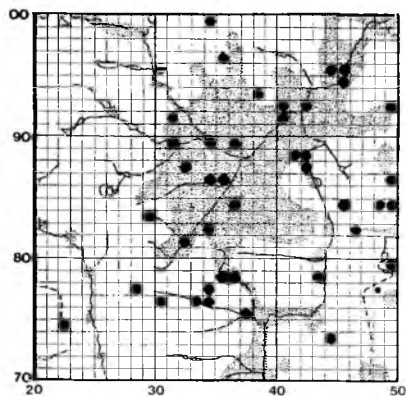
268. *Symphoricarpos rivularis*
Snowberry



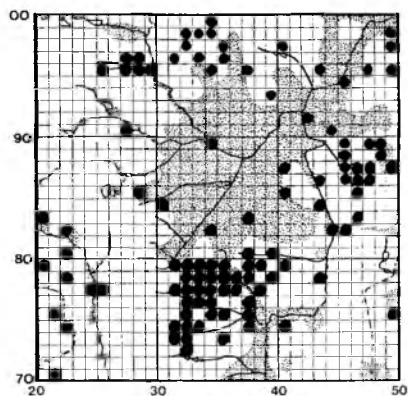
269. *Lonicera periclymenum*
Honeysuckle



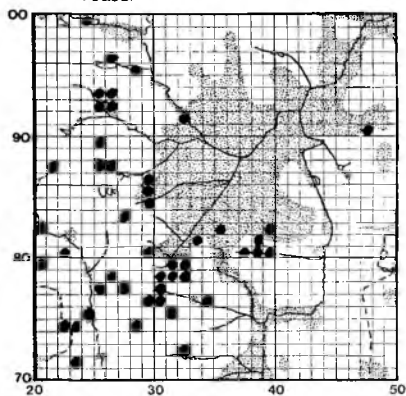
270. *Valeriana officinalis*
Common Valerian



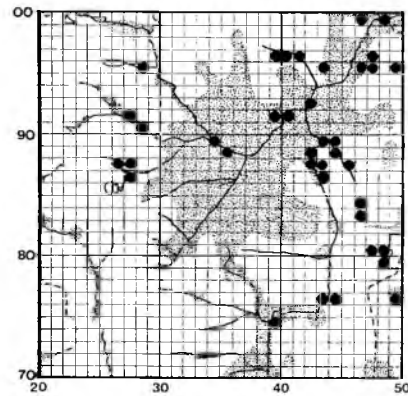
271. *Dipsacus fulionum*
Teasel



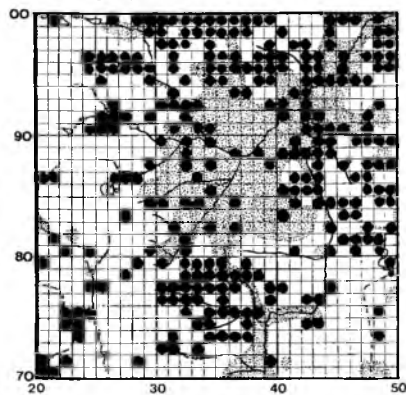
272. *Knautia arvensis*
Field Scabious



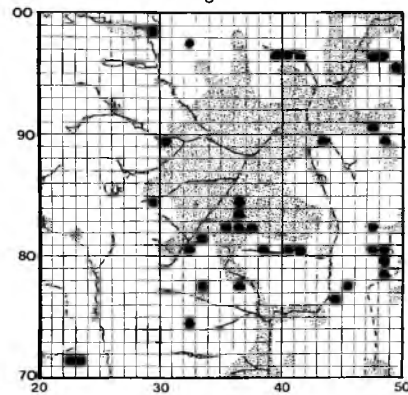
273. *Succisa pratensis*
Devil's-bit Scabious



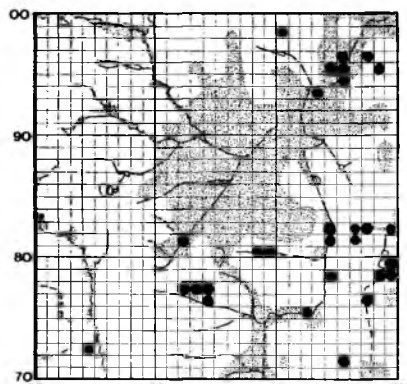
274. *Bidens tripartita*
Trifid Bur-marigold



275. *Senecio jacobaea*
Common Ragwort

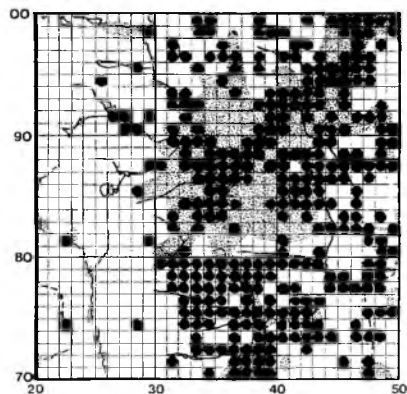


276. *Senecio aquaticus*
Marsh Ragwort



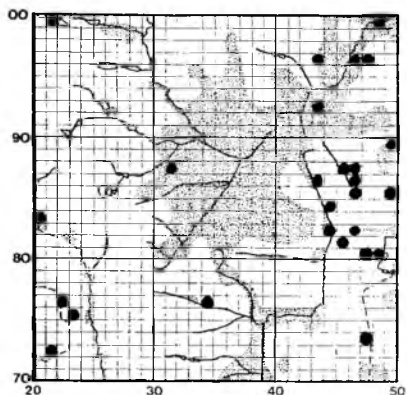
277. *Senecio erucifolius*

Hoary Ragwort



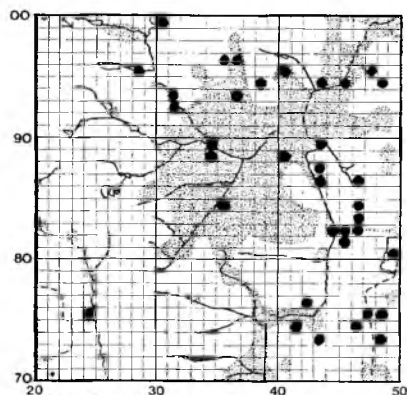
278. *Senecio squalidus*

Oxford Ragwort



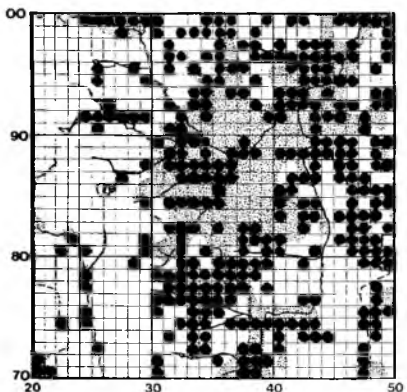
279. *Senecio sylvaticus*

Heath Groundsel



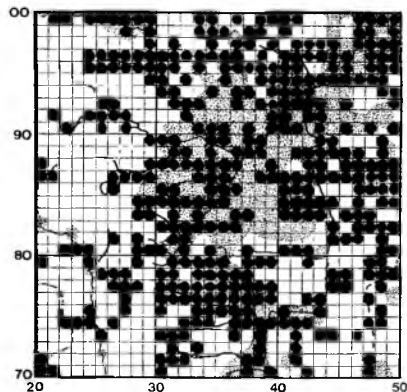
280. *Senecio viscosus*

Sticky Groundsel



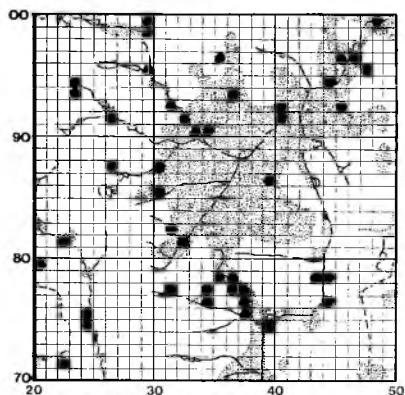
281. *Senecio vulgaris*

Groundsel

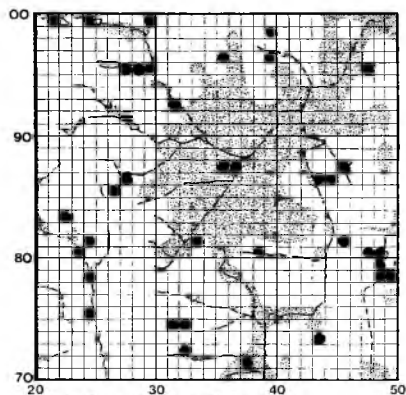


282. *Tussilago farfara*

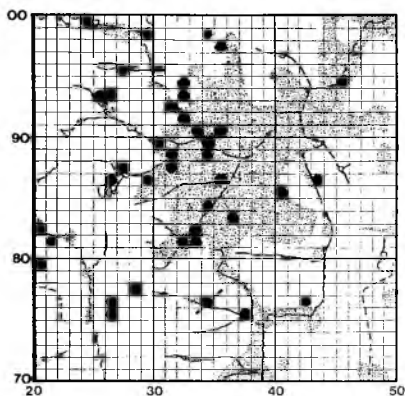
Colt's-foot



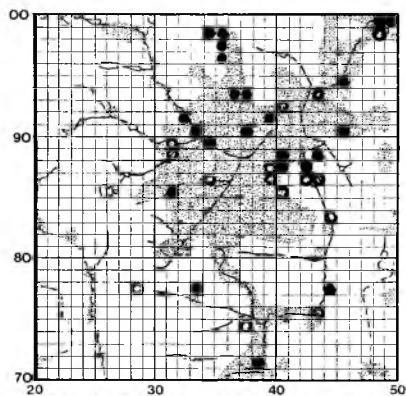
283. *Petasites hybridus*
Butterbur



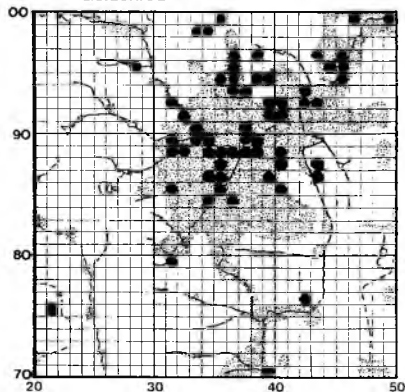
284. *Gnaphalium uliginosum*
Marsh Cudweed



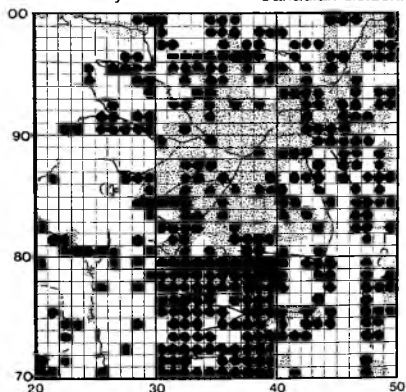
285. *Solidago virgaurea*
Goldenrod



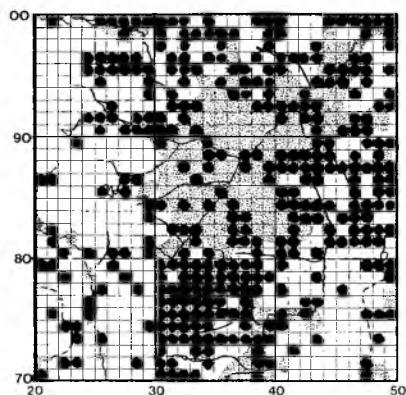
286. *Solidago gigantea* *Solidago canadensis*
○ Early Goldenrod ● Canadian Goldenrod



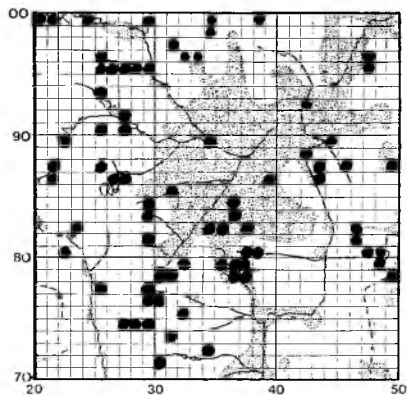
287. *Aster novi-belgii*
Michaelmas-daisy



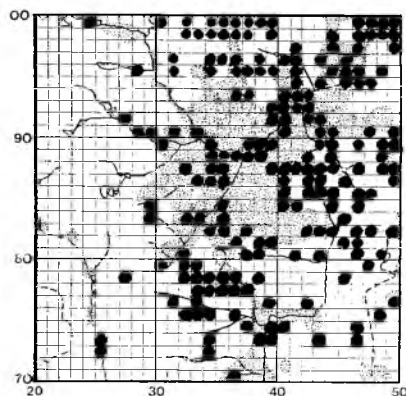
288. *Bellis perennis*
Daisy



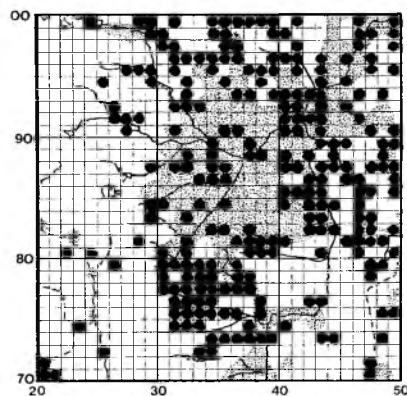
289. *Achillea millefolium*
Yarrow



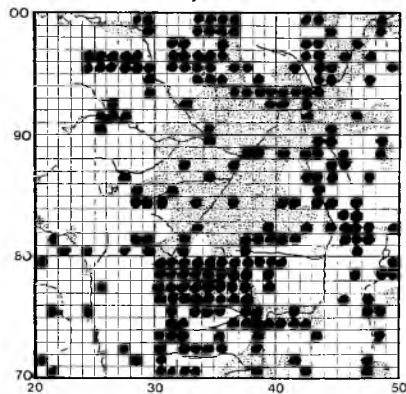
290. *Achillea ptarmica*
Sneezwort



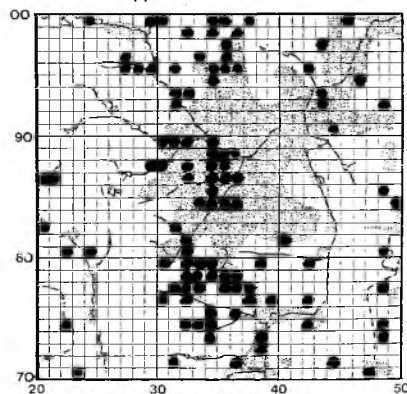
291. *Tripleurospermum inodorum*
Scentless Mayweed



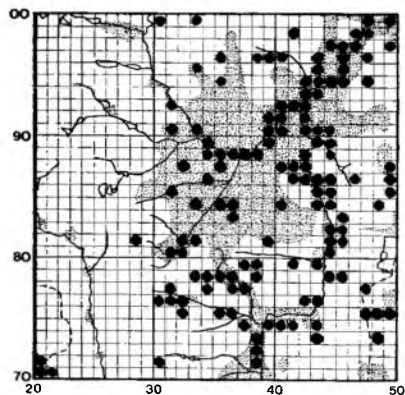
292. *Matricaria matricarioides*
Pineappleweed



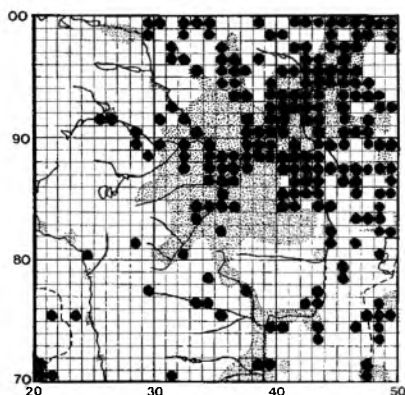
293. *Leucanthemum vulgare*
Oxeye Daisy



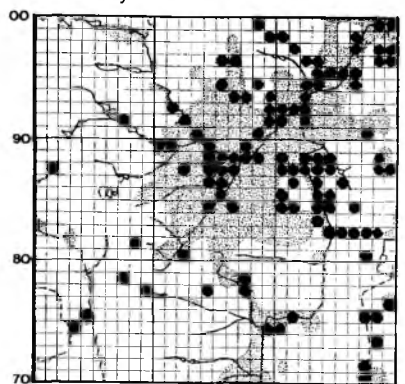
294. *Tanacetum parthenium*
Feverfew



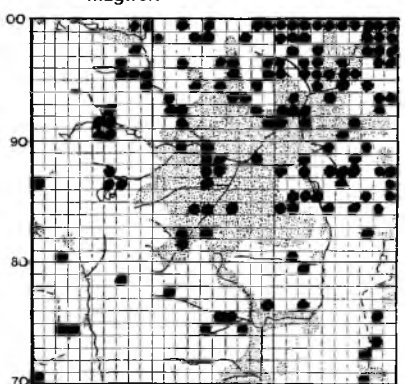
295. *Tanacetum vulgare*
Tansy



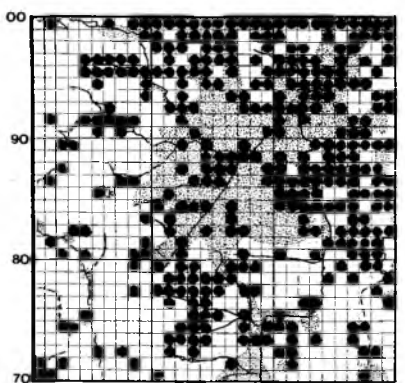
296. *Artemisia vulgaris*
Mugwort



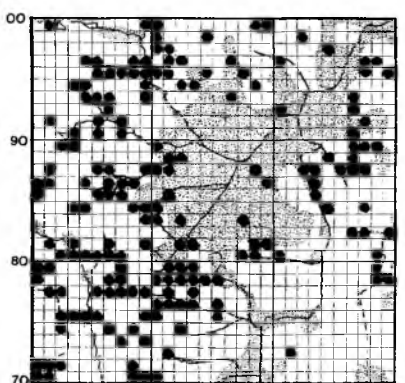
297. *Artemisia absinthium*
Wormwood



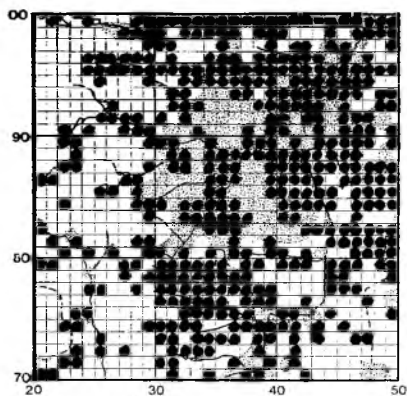
298. *Arctium minus* group
Lesser Burdock



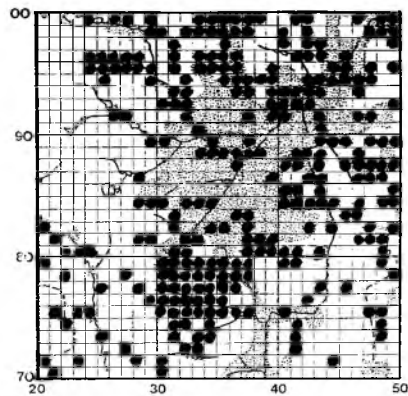
299. *Cirsium vulgare*
Spear Thistle



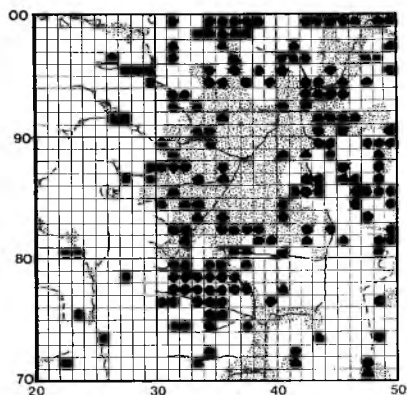
300. *Cirsium palustre*
Marsh Thistle



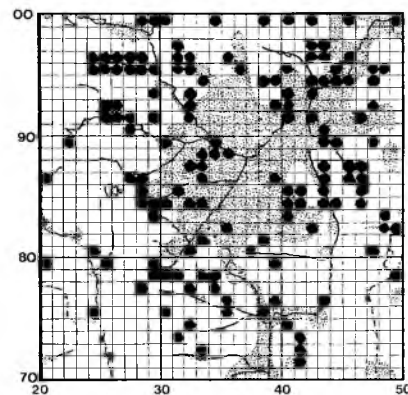
301. *Cirsium arvense*
Creeping Thistle



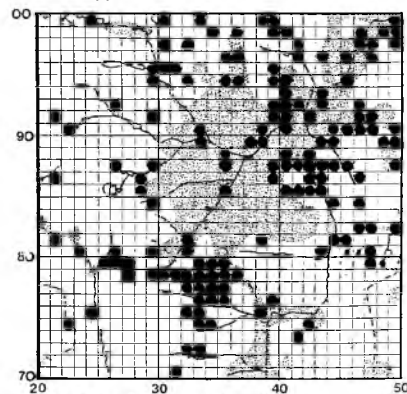
302. *Centaurea nigra*
Common Knapweed



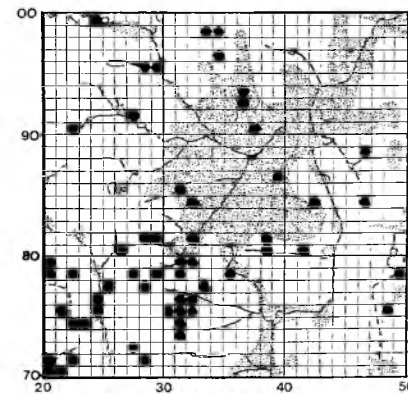
303. *Lapsana communis*
Nipplewort



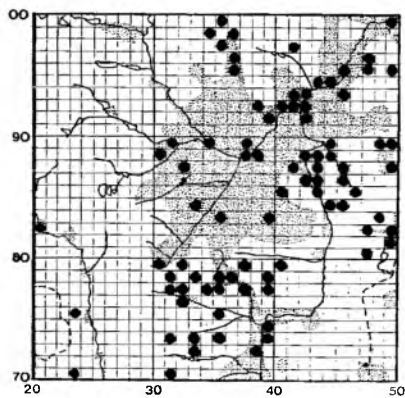
304. *Hypochaeris radicata*
Cat's-ear



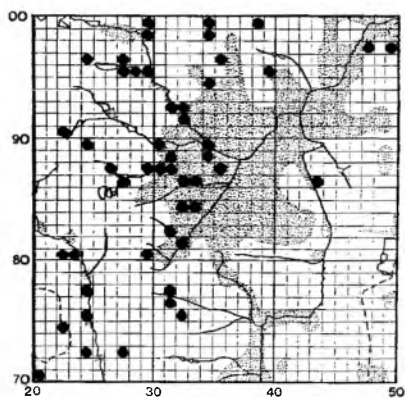
305. *Leontodon autumnalis*
Autumn Hawkbit



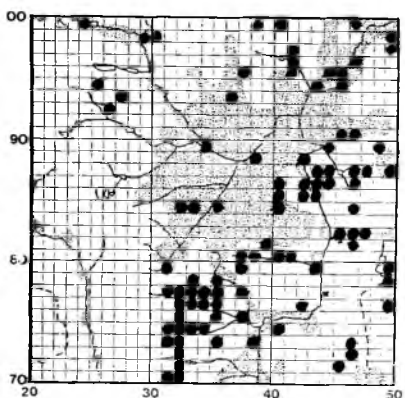
306. *Leontodon hispidus*
Rough Hawkbit



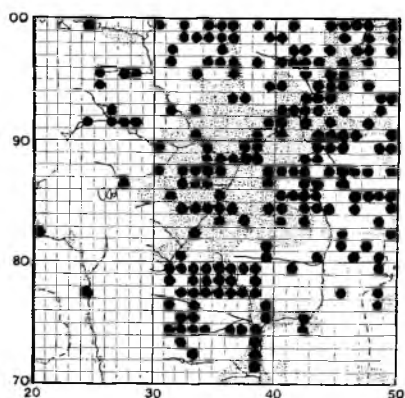
307. *Tragopogon pratensis*
Goat's-beard



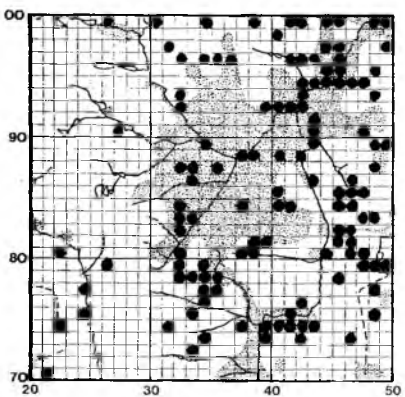
308. *Mycelis muralis*
Wall Lettuce



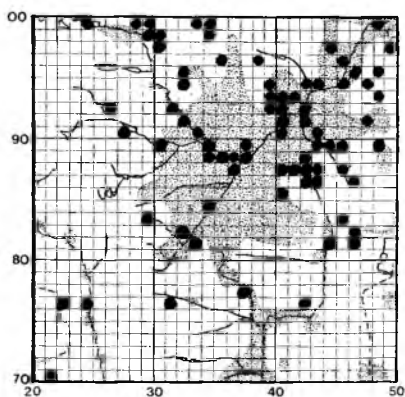
309. *Sonchus arvensis*
Perennial Sow-thistle



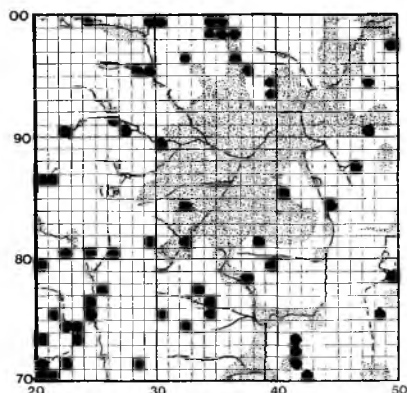
310. *Sonchus oleraceus*
Smooth Sow-thistle



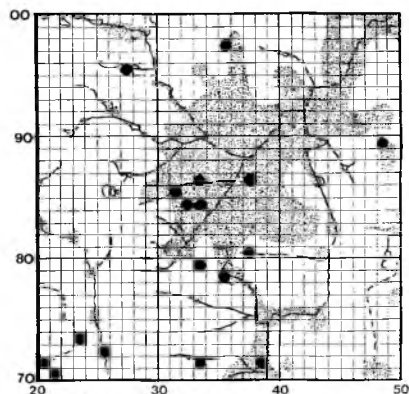
311. *Sonchus asper*
Prickly Sow-thistle



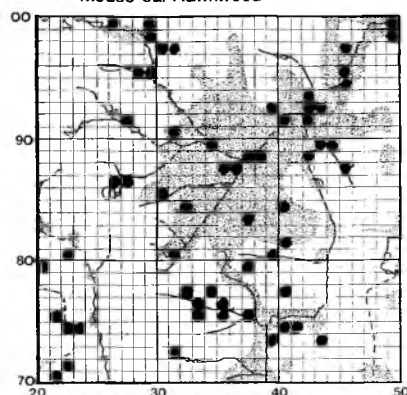
312. *Hieracium* Section *Sabauda*
Hawkweed



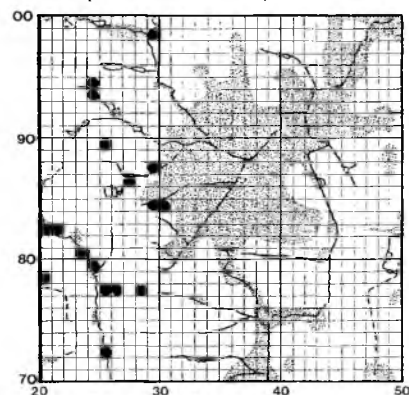
313. *Hieracium pilosella*
Mouse-ear Hawkweed



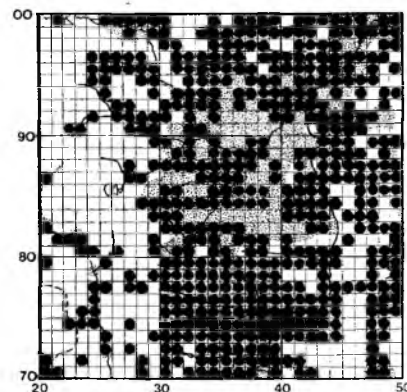
314. *Hieracium brunneocroceum*
(incl. *H. aurantianum*) Fox-and-cubs



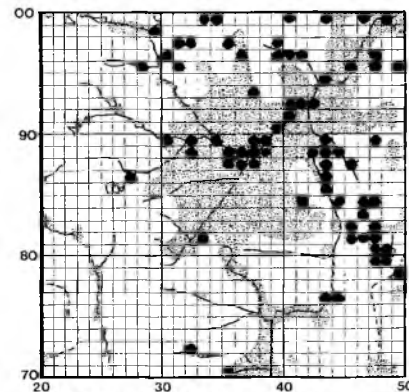
315. *Crepis capillaris*
Smooth Hawk's-beard



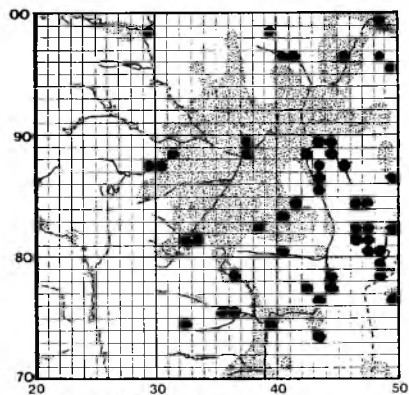
316. *Crepis paludosa*
Marsh Hawk's-beard



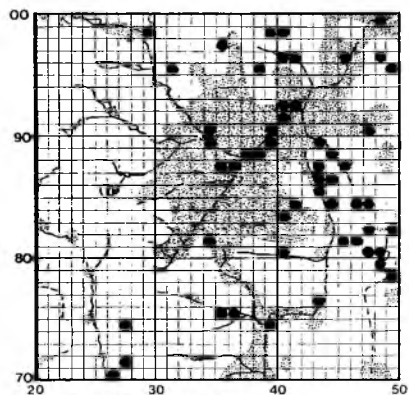
317. *Taraxacum officinale*
Common Dandelion



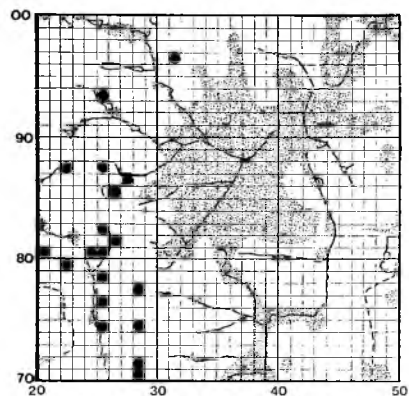
318. *Alisma plantago-aquatica*
Water-plantain



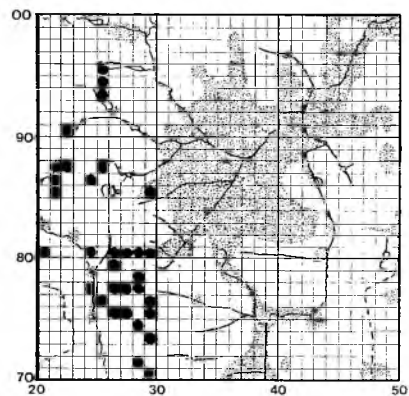
319. *Elodea canadensis*
Canadian Waterweed



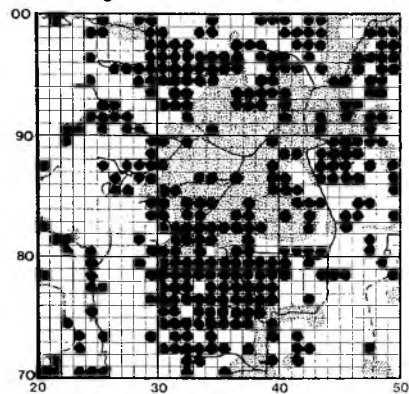
320. *Potamogeton natans*
Broad-leaved Pondweed



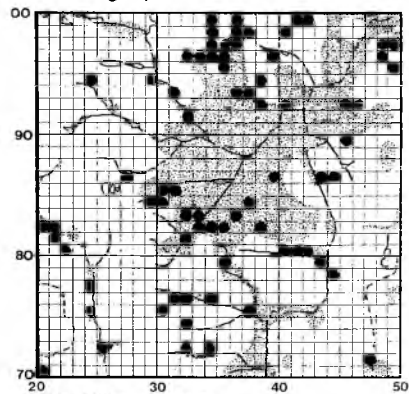
321. *Potamogeton polygonifolius*
Bog Pondweed



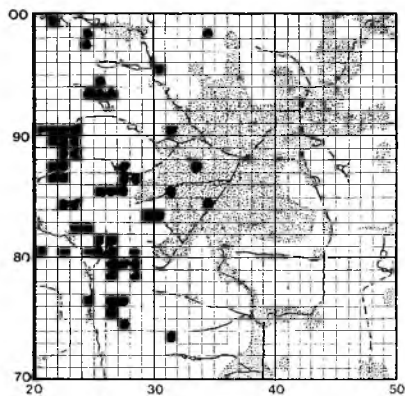
322. *Narthecium ossifragum*
Bog Asphodel



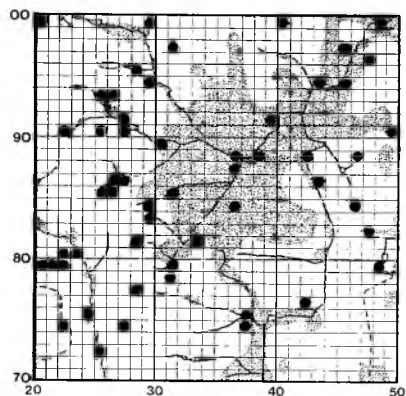
323. *Hyacinthoides non-scripta*
Bluebell



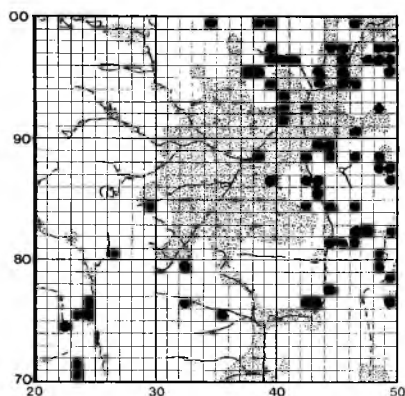
324. *Allium ursinum*
Ramsons



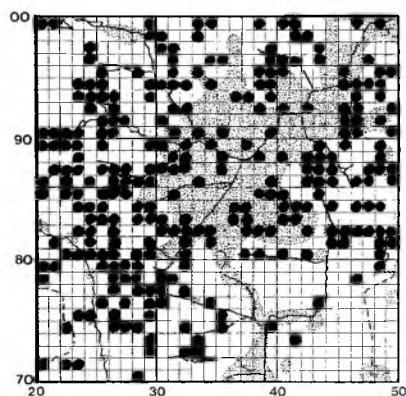
325. *Juncus squarrosus*
Heath Rush



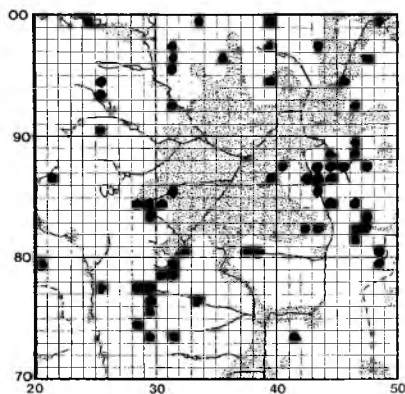
326. *Juncus bufonius*
Toad Rush



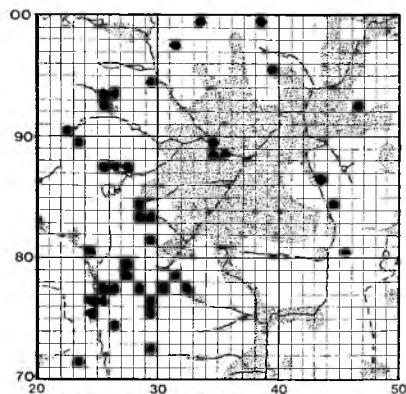
327. *Juncus inflexus*
Hard Rush



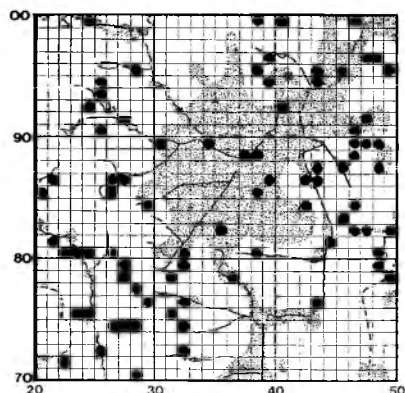
328. *Juncus effusus*
Soft-rush



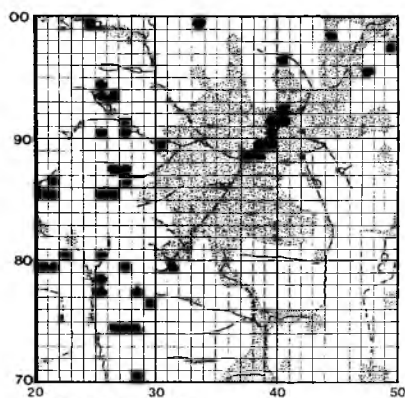
329. *Juncus conglomeratus*
Compact Rush



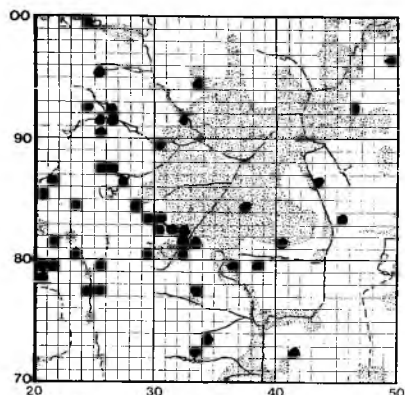
330. *Juncus acutiflorus*
Sharp-flowered Rush



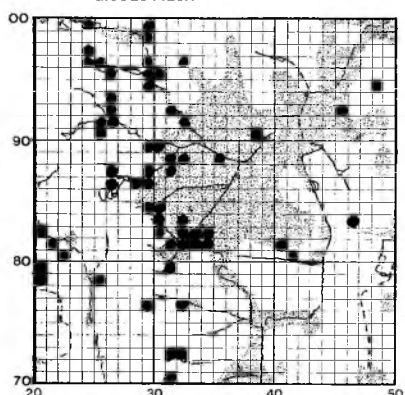
331. *Juncus articulatus*
Jointed Rush



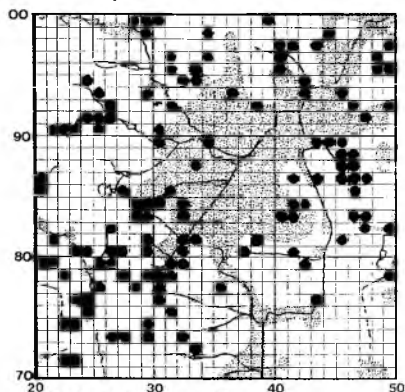
332. *Juncus bulbosus*
Bulbous Rush



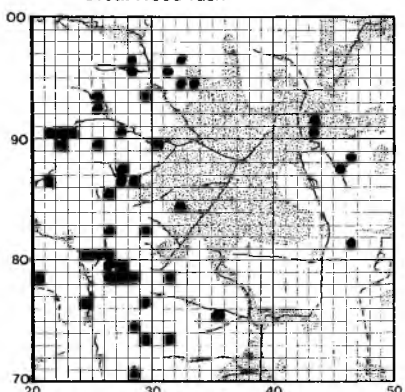
333. *Luzula pilosa*
Hairy Wood-rush



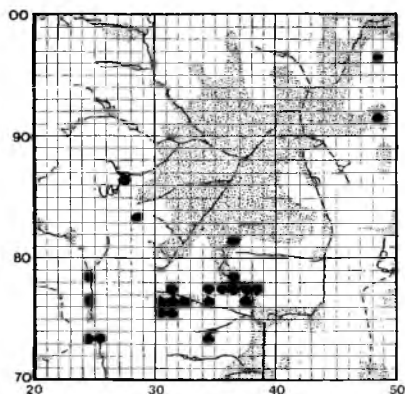
334. *Luzula sylvatica*
Great Wood-rush



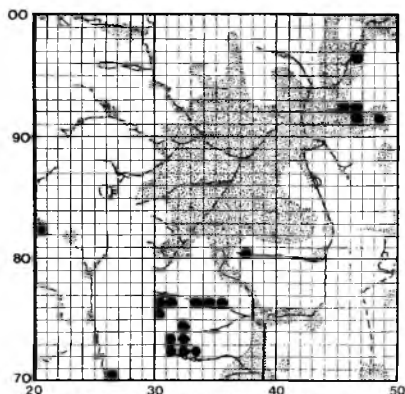
335. *Luzula campestris*
Field Wood-rush



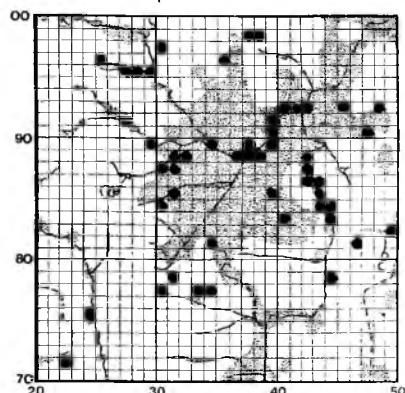
336. *Luzula multiflora*
Heath Wood-rush



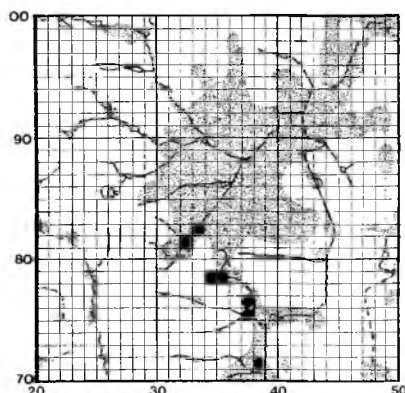
337. *Galanthus nivalis*
Snowdrop



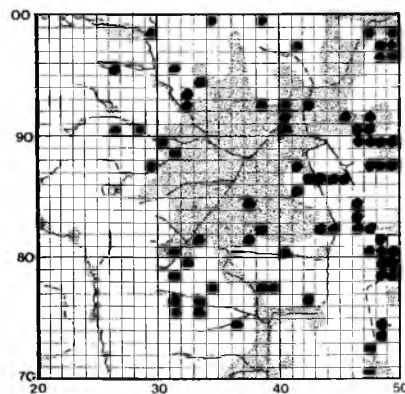
338. *Narcissus pseudonarcissus*
Wild Daffodil



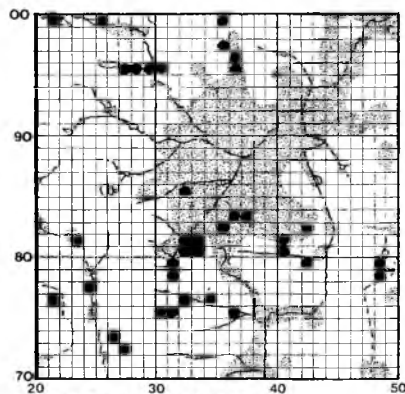
339. *Iris pseudacorus*
Yellow Iris



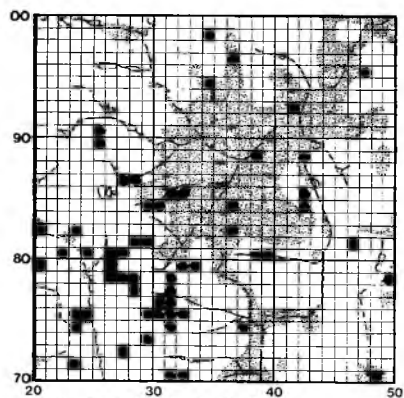
340. *Crocus nudiflorus*
Autumn Crocus



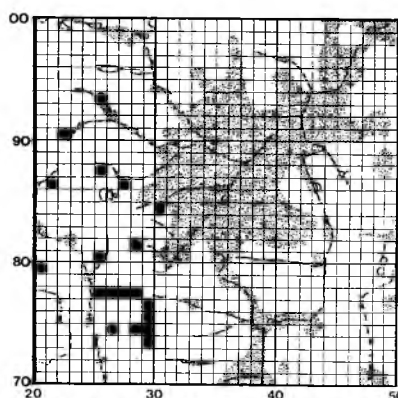
341. *Tamus communis*
Black Bryony



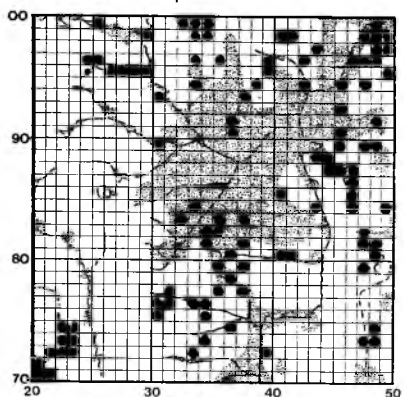
342. *Epipactis helleborine*
Broad-leaved Helleborine



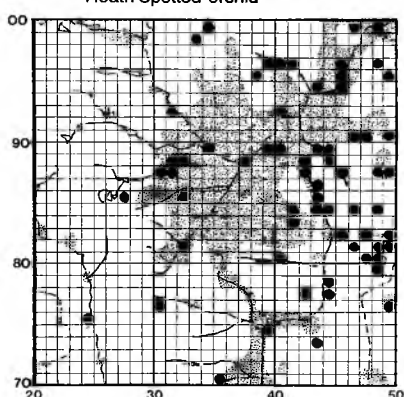
343. *Dactylorhiza fuchsii*
Common Spotted-orchid



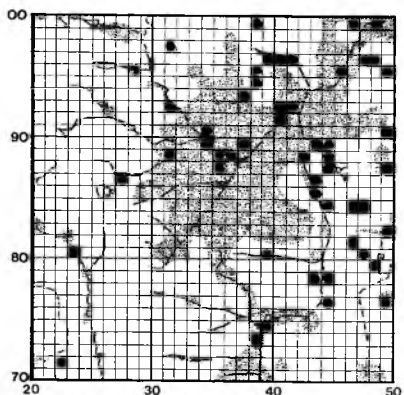
344. *Dactylorhiza maculata* ssp. *ericetorum*
Heath Spotted-orchid



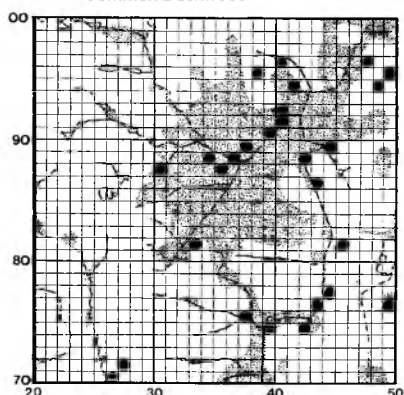
345. *Arum maculatum*
Lords-and-Ladies



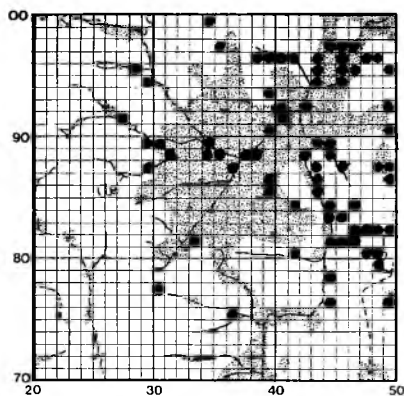
346. *Lemna minor*
Common Duckweed



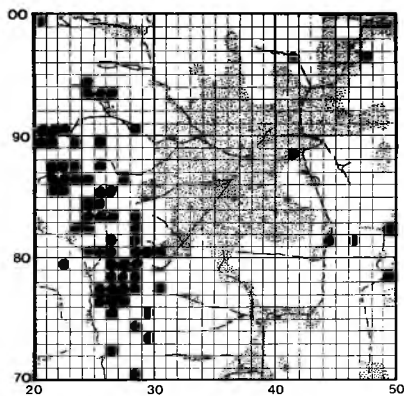
347. *Sparganium erectum*
Branched Bur-reed



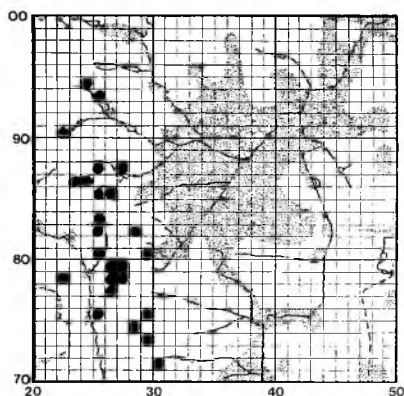
348. *Sparganium emersum*
Unbranched Bur-reed



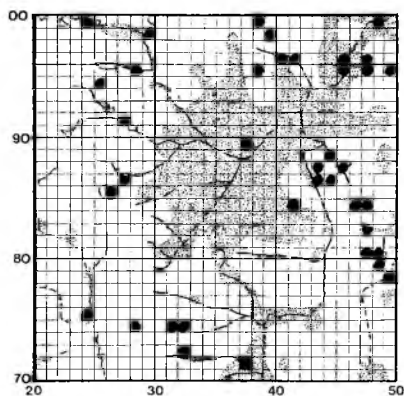
349. *Typha latifolia*
Bulrush



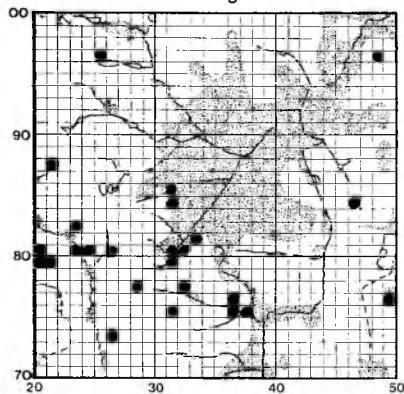
350. *Eriophorum angustifolium*
Common Cottongrass



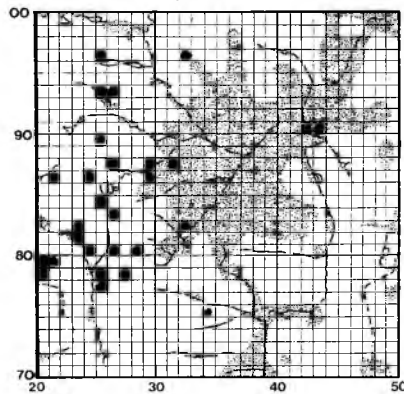
351. *Eriophorum vaginatum*
Hare's-tail Cottongrass



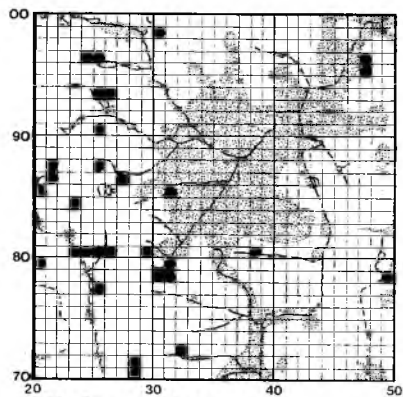
352. *Eleocharis palustris*
Common Spike-rush



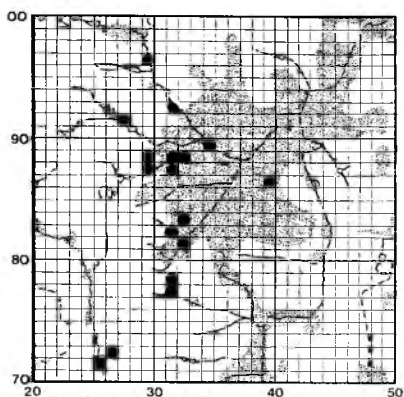
353. *Isolepis setacea*
Bristle Club-rush



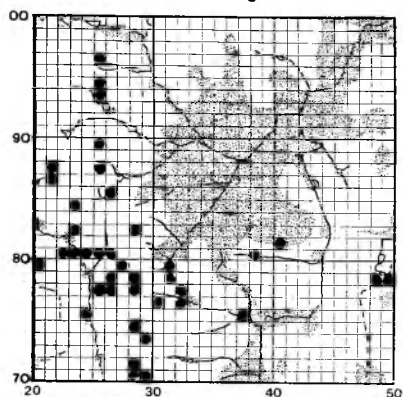
354. *Carex laevigata*
Smooth-stalked Sedge



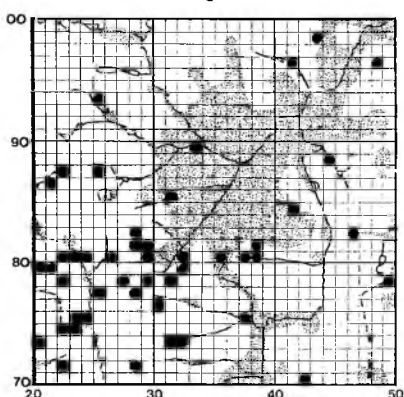
355. *Carex demissa*
Common Yellow-sedge



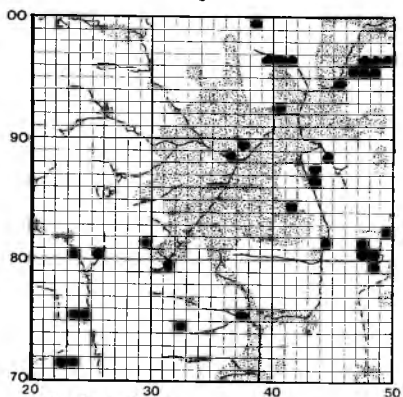
356. *Carex pendula*
Pendulous Sedge



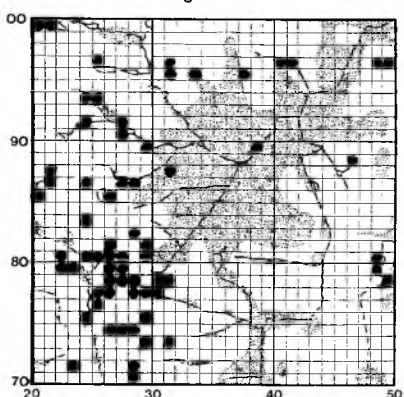
357. *Carex panicea*
Carnation Sedge



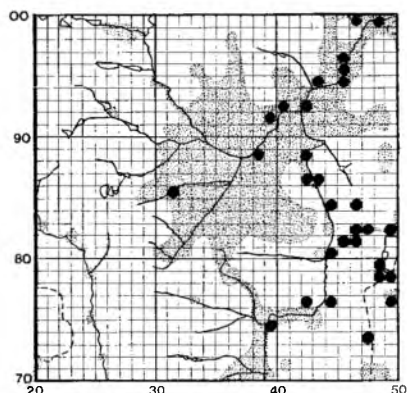
358. *Carex flacca*
Glaucous Sedge



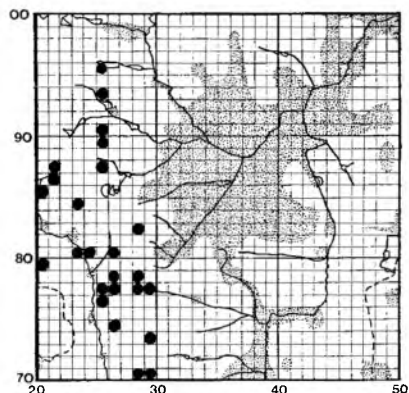
359. *Carex hirta*
Hairy Sedge



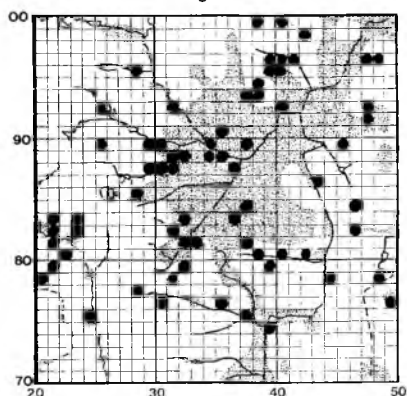
360. *Carex nigra*
Common Sedge



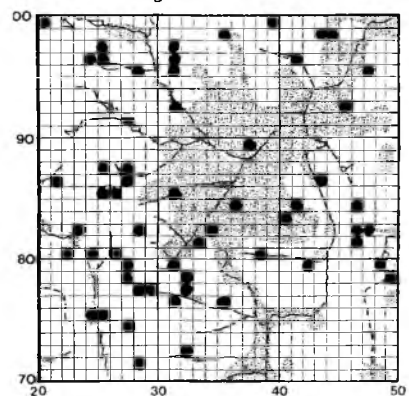
361. *Carex otrubae*
False Fox-sedge



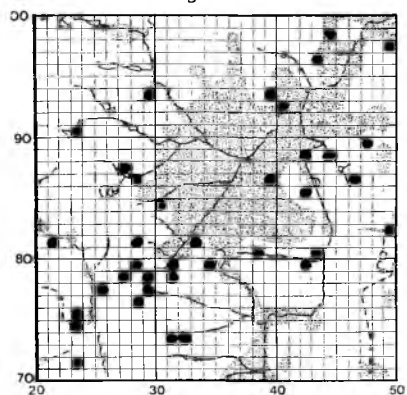
362. *Carex echinata*
Star Sedge



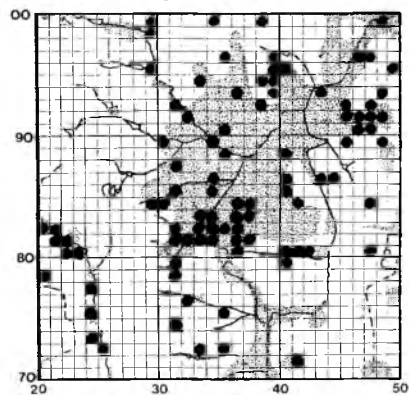
363. *Carex remota*
Remote Sedge



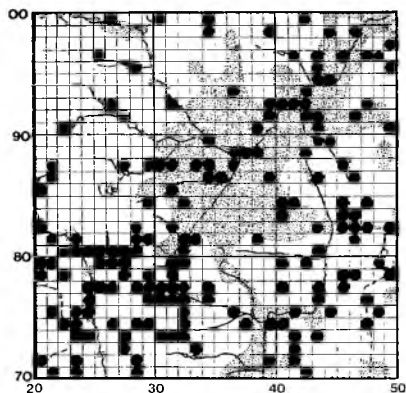
364. *Carex ovalis*
Oval Sedge



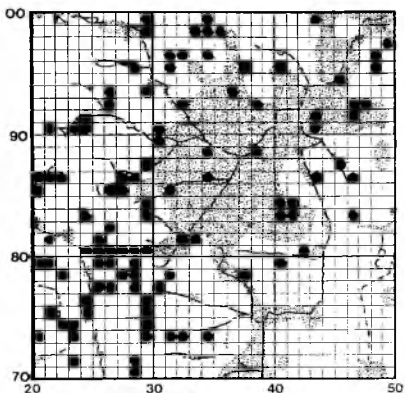
365. *Festuca pratensis*
Meadow Fescue



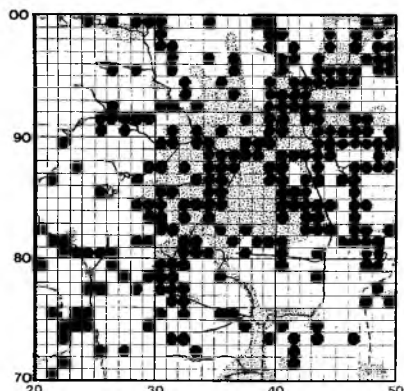
366. *Festuca gigantea*
Giant Fescue



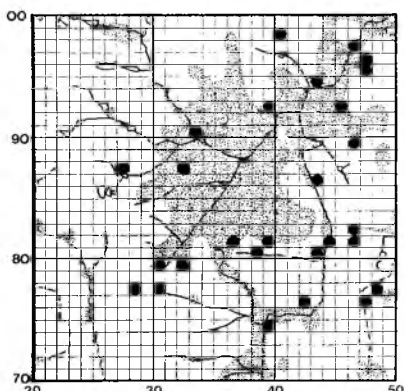
367. *Festuca rubra*
Red Fescue



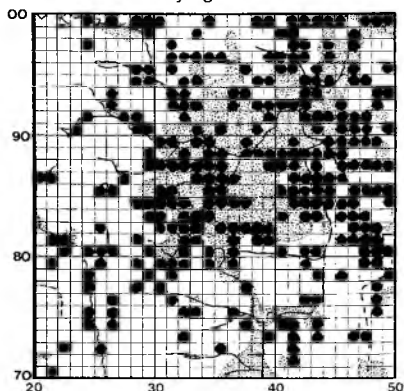
368. *Festuca ovina*
Sheep's-fescue



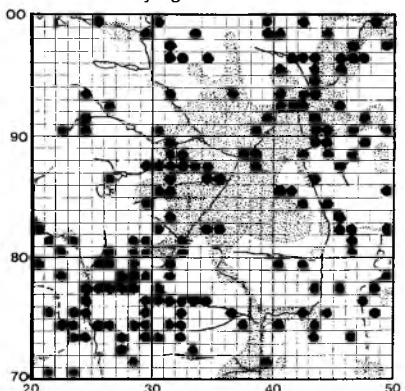
369. *Lolium perenne* ssp. *perenne*
Perennial Rye-grass



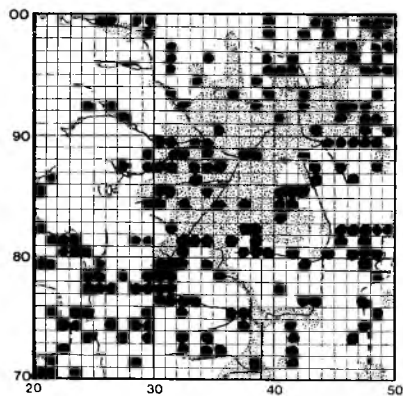
370. *Lolium perenne* ssp. *multiflorum*
Italian Rye-grass



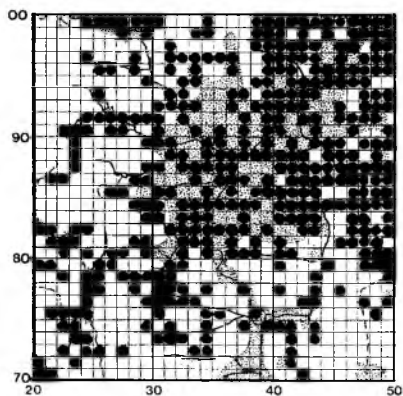
371. *Poa annua*
Annual Meadow-grass



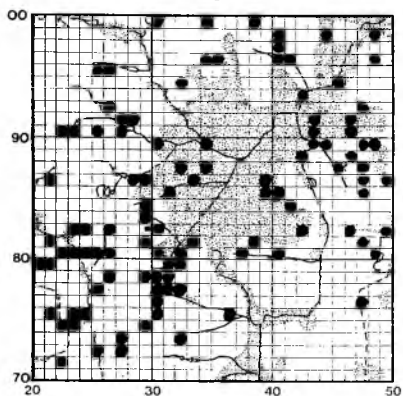
372. *Poa pratensis*
Smooth Meadow-grass



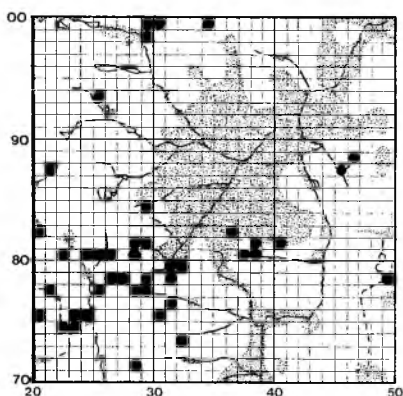
373. *Poa trivialis*
Rough Meadow-grass



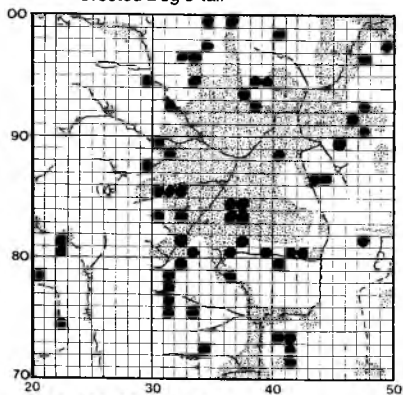
374. *Dactylis glomerata*
Cock's-foot



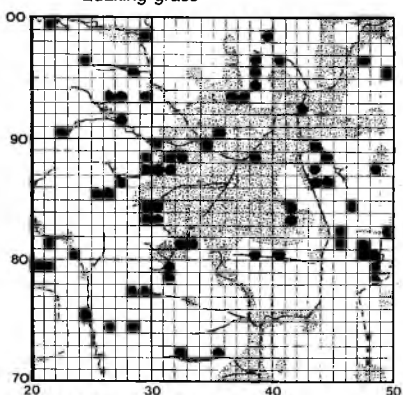
375. *Cynosurus cristatus*
Crested Dog's-tail



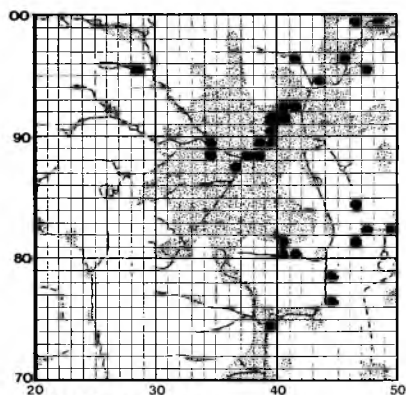
376. *Briza media*
Quaking-grass



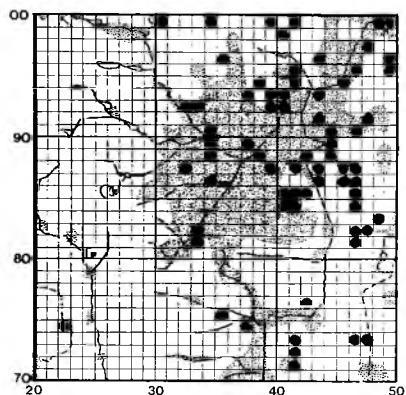
377. *Melica uniflora*
Wood Melick



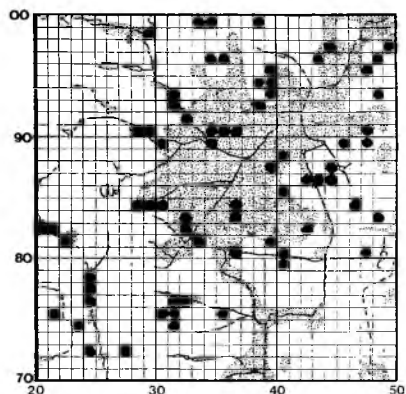
378. *Glyceria fluitans*
Floating Sweet-grass



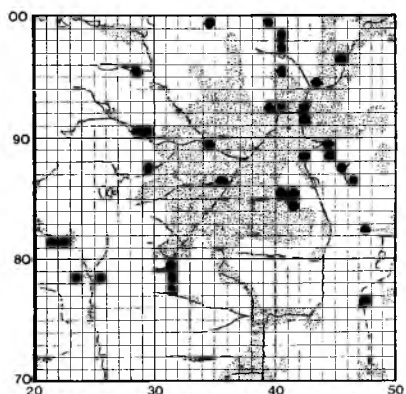
379. *Glyceria maxima*
Reed Sweet-grass



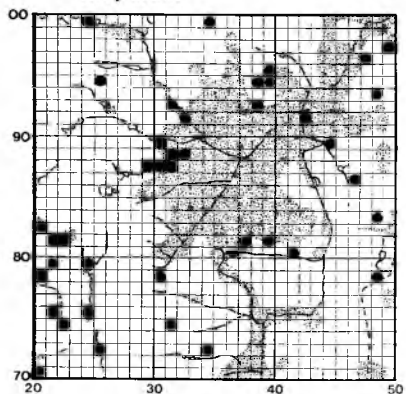
380. *Bromus sterilis*
Barren Brome



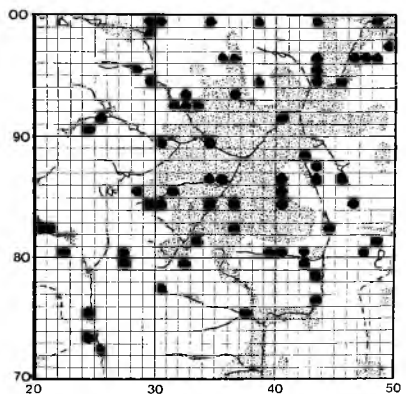
381. *Bromus ramosus*
Hairy-brome



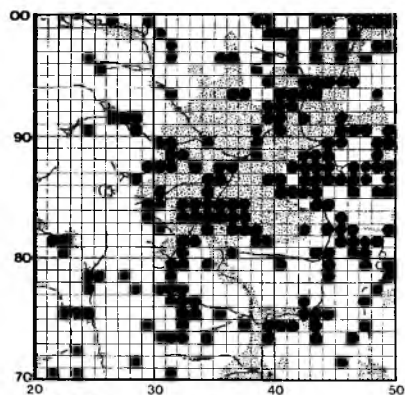
382. *Bromus hordeaceus*
Soft-brome



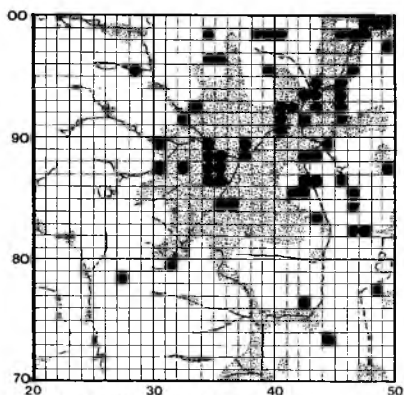
383. *Brachypodium sylvaticum*
False Brome



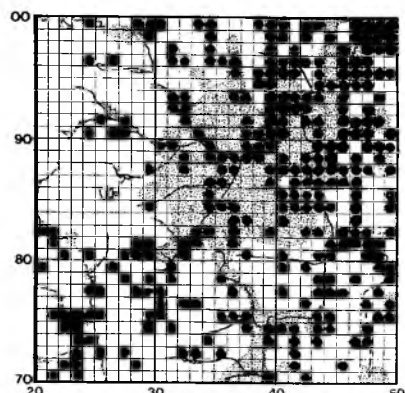
384. *Elymus caninus*
Bearded Couch



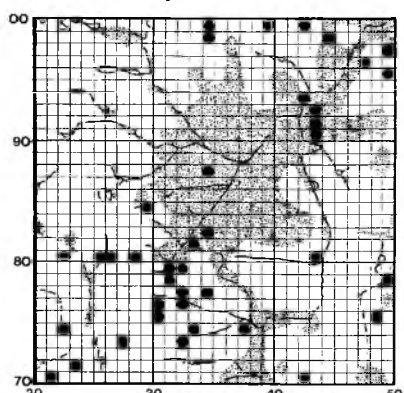
385. *Elymus repens*
Common Couch



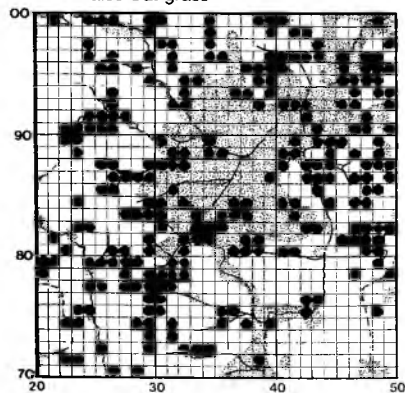
386. *Hordeum murinum*
Wall Barley



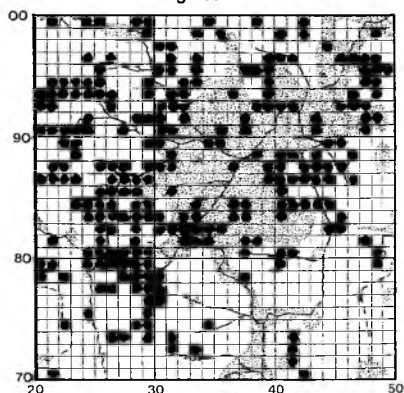
387. *Arrhenatherum elatius*
False Oat-grass



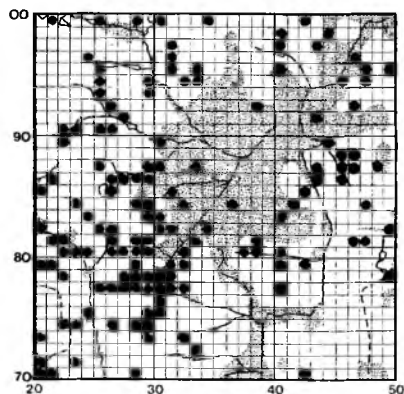
388. *Trisetum flavescens*
Yellow Oat-grass



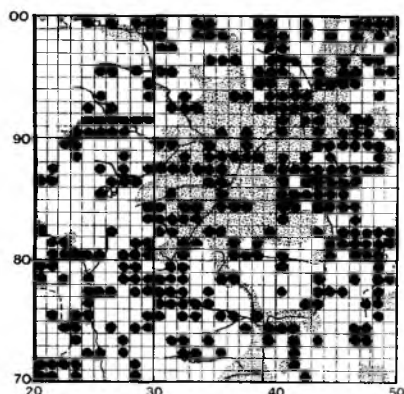
389. *Deschampsia cespitosa*
Tufted Hair-grass



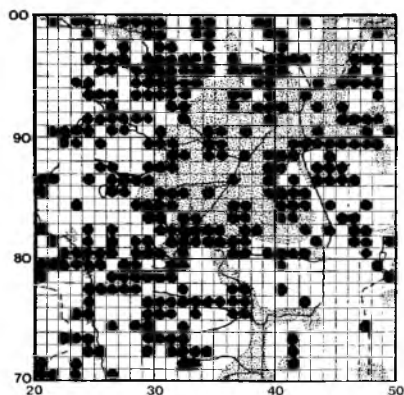
390. *Deschampsia flexuosa*
Wavy Hair-grass



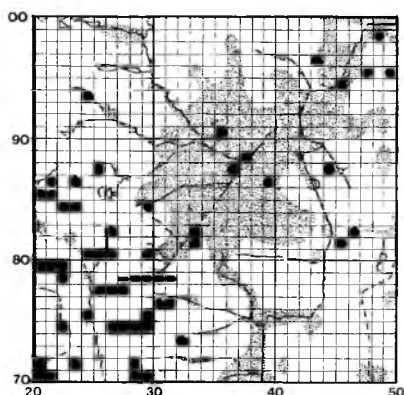
391. *Anthoxanthum odoratum*
Sweet Vernal-grass



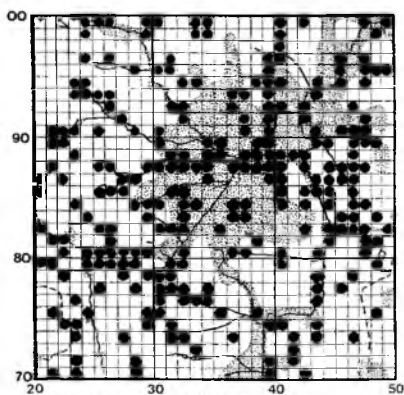
392. *Holcus lanatus*
Yorkshire-fog



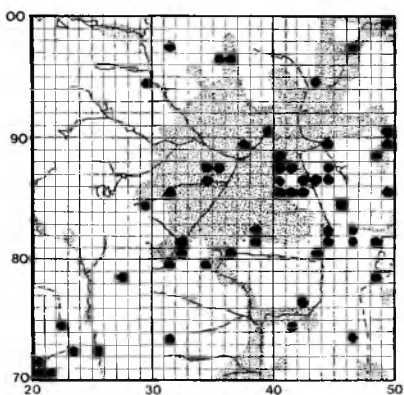
393. *Holcus mollis*
Creeping Soft-grass



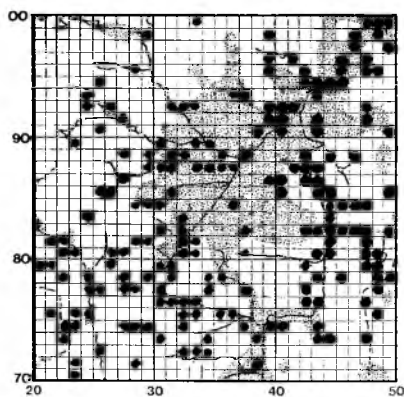
394. *Agrostis canina*
Velvet Bent



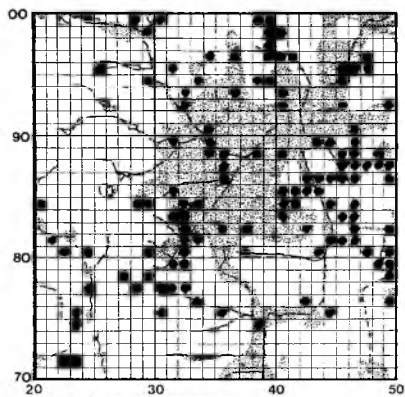
395. *Agrostis capillaris*
Common Bent



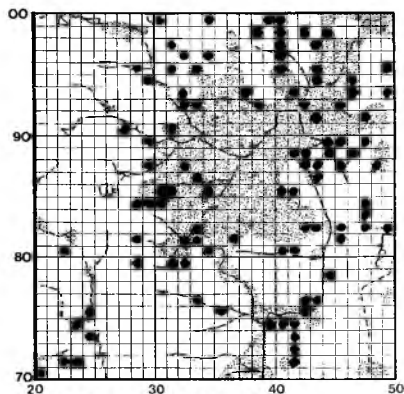
396. *Agrostis gigantea*
Black Bent



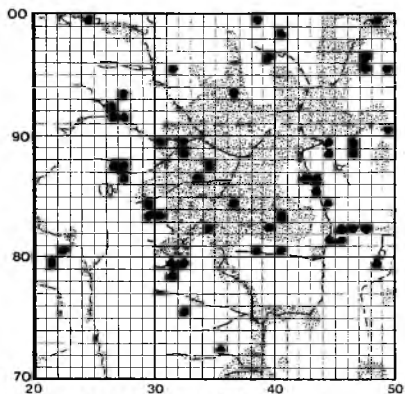
397. *Agrostis stolonifera*
Creeping Bent



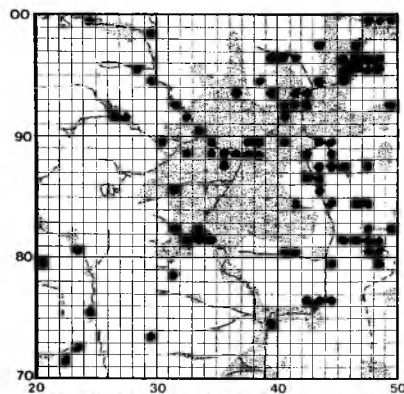
398. *Phleum pratense*
Timothy



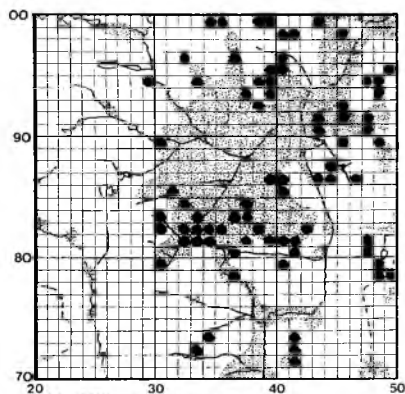
399. *Alopecurus pratensis*
Meadow Foxtail



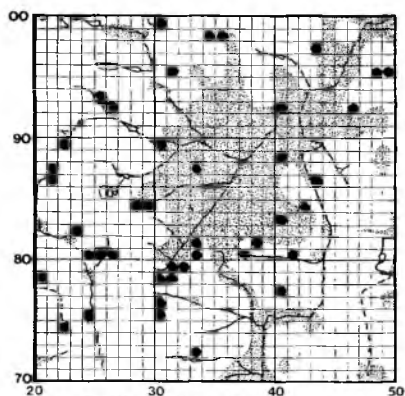
400. *Alopecurus geniculatus*
Marsh Foxtail



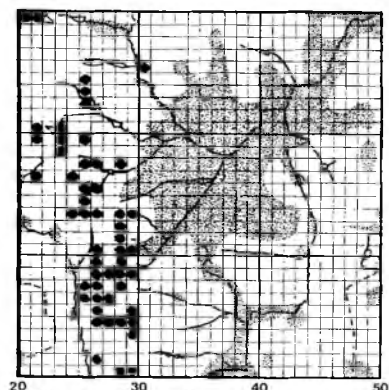
401. *Phalaris arundinacea*
Reed Canary-grass



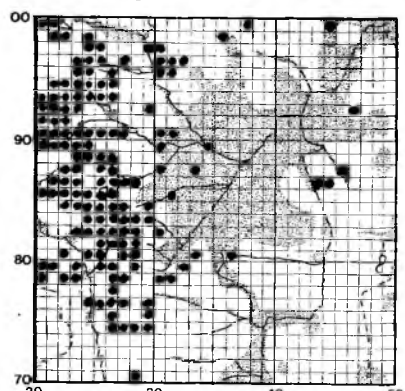
402. *Milium effusum*
Wood Millet



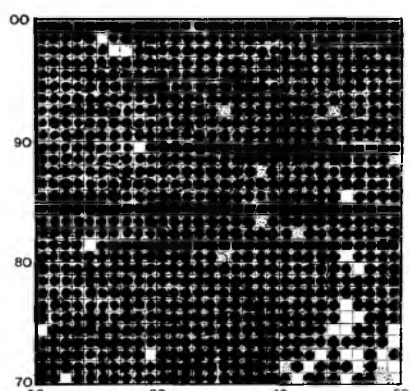
403. *Danthonia decumbens*
Heath-grass



404. *Molinia caerulea*
Purple Moor-grass



405. *Nardus stricta*
Mat-grass



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THE SORBY NATURAL HISTORY SOCIETY

The **Sorby Natural History Society** covers a full range of natural history interests, providing for both interested beginners and specialists.

Sorby has sections, for the study of zoology, botany, ornithology, microscopy and geology. Each section organises meetings and surveys etc. in which all members of the Society may participate.

Outdoor Field Excursions are arranged for weekends, to localities in the Sheffield area, and often further afield by coach to the coast and other favoured localities. Some meetings are organised jointly with local and national societies.

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Cover: Marsh Cinquefoil (photo Lynn Burnet)

**Below: Germander Speedwell
and Crosswort** (photo Charles Waite)



Sorby Natural History Society, Sheffield