

## ATLAS 2020 INSTRUCTION BOOKLET

### 1. Introduction

The first *Atlas of the British flora*, published in 1962, pioneered the use of 'dot-maps' aligned to the OS grid and was hugely influential, leading to the first *Red Data List for Great Britain* and establishing the methods used to map both plants and animals across Europe and North America. A repeat *Atlas* was published in 2002 based on fieldwork carried out by BSBI members and others from 1987-1999, with the results of this monumental work also having a far reaching impact.

BSBI is now producing *Atlas 2020*. This will bring together the millions of plant records collected in the field and held in the BSBI's central database (known as the DDb) from 2000 up to the end of 2019, with outputs leading to a better understanding of both recent and long-term changes to our flora. All BSBI members and other botanists in Britain and Ireland are invited to take part in the project. Indeed, your support is absolutely vital if this project is to succeed!

### 2. Organisation of the Project

Britain and Ireland are divided into 153 vice-counties. In charge of each one is a vice-county recorder (VCR) who is responsible for the collection and verification of all plant records within their area. Many counties also now have a co-recorder in place to assist the VCR. These are the key contacts at the focal level. Anyone wishing to participate should first contact their local VCR (listed in Appendix 1), as this will allow the most effective use of available help.

In many cases, tetrads or hectads can be assigned to a volunteer, and although some counties may already be well recorded, remember that adjoining counties may be in need of assistance, and also that valuable recording can be done while on holiday! Some VCRs may also be grateful for assistance in compiling and digitising existing records.

Four Country Officers are employed in a full or part-time capacity by the BSBI. If you are unable to get hold of a VCR, please contact the appropriate Country Officer whose names are listed in Appendix 2. The whole project is being overseen by the Principal Coordinator, Dr Peter Stroh. He can be contacted at Cambridge University Botanic Garden, 1 Brookside, Cambridge, CB2 1JE, or by e-mail: [peter.stroh@bsbi.org](mailto:peter.stroh@bsbi.org).

### 3. Geographical Scope

The scheme covers Britain, Ireland, the Isle of Man and the Channel Islands. Records will be collected at 2 x 2 kilometre square (tetrad) precision or better for all 10 x 10 kilometre squares (hectads) of the OS grid in Britain and Ireland and the UTM grid in the Channel Islands. As a guide we have suggested recording in a minimum of five tetrads or 16 monads per hectad, although many hectads are likely to be recorded much more comprehensively. Detailed guidance on recording strategies can be found on the Atlas 2020 web page [http://www.bsbi.org.uk/atlas\\_2020.html](http://www.bsbi.org.uk/atlas_2020.html) and in the condensed guidance document collated for VCRs by McIntosh (2015).

Where recording straddles two or more vice-counties boundaries, please keep the records from each vice-county separately. British vice-county boundaries can be viewed on the NBN Gateway by going to <http://www.nbn.org.uk/SpecialPages/WVCB-download.aspx> and then following the

instructions. As an excellent alternative, the *cucaera* website <http://www.cucaera.co.uk/grp/>, shows vice-county boundaries overlaid on an OS grid, and is very easy to use.

#### 4. Taxonomic Scope

The standard flora used for the project is edition 3 of the *New Flora of the British Isles* by C.A. Stace (2010, Cambridge University Press); all recorders are strongly urged to get a copy of this! We are keenly aware that some recorders will also refer to the four published volumes of Sell & Murrell's *Flora of Great Britain and Ireland*, within which there are instances of conflicting taxonomy with Stace as well as the addition of many new infraspecific taxa. Records using these volumes are very welcome and can be accommodated in the BSBI's distribution database (DDb), as can differences in taxonomy encountered in recent BSBI Handbooks. However, for the purposes of Atlas 2020, we have taken a pragmatic decision to use Stace as the default list of taxa to be recorded.

For more detail on what to record, including taxa which frequently cause confusion or are difficult to identify, see Stroh et al. (2015) *Notes on Identification Works and Some Difficult and Under-recorded Taxa*, available to download as a pdf on the Atlas web page. There may also be printed copies available from Peter Stroh (see contact details above). Guidance on 'What and Where to Record' is also available as a note on the Atlas web page.

Although the aim of Atlas 2020 is to map all species and subspecies, it is acceptable to leave identification at aggregate level if further determination is not possible. However, the collection of voucher specimens for the determination of difficult and critical taxa is strongly encouraged. For more information on materials and methods, see Arthur Chater's excellent guide 'Collecting and Pressing Specimens', also available on the Atlas web page.

#### 5. Field Recording

For basic information on field recording, see Ellis (2015): *A Beginners Guide to Recording*, available to download on the Atlas 2020 web page. When recording, please do keep an accurate record of the full date of each record. It is only when summarising or mapping data that we need to aggregate records into broad date classes.

For nationally rare and scarce species, as well as locally rare species and threatened (Critically Endangered, Endangered, Vulnerable) species (see Cheffings & Farrell, 2005; Dines, 2008, Stroh et al., 2014), please provide at least a six figure grid reference, alongside details of the location, recorder, date, habitat, determiner, etc.

Fieldwork will be targeted on under-recorded areas post-1999. The VCR is able to allocate squares for volunteers to cover and will give up-to-date information on the recording area. For all vice-counties, customised record cards are available for field recording from the 'Resources' page of the BSBI website. Alternatively, cards can be ordered from the Biological Records Centre via your Country Officer.

At the end of the recording season (early October for the sake of argument, although records can be made year-round), please send completed cards or digital records to the relevant VCR. Records need to be in the hands of the VCR as soon as possible so that we can start to plan for the next years recording.

## 6. Instructions for Completing Field Cards

The booklet '*A Beginners Guide to Recording*' (Ellis, 2015) gives much of the information required for recording in the field. There are perhaps a few things to emphasise here.

When giving localities please use names on the 1:50,000 or 1:25,000 Ordnance Survey maps and follow their spelling. Please do not use local names without explanation because although you know where you mean, we do not.

When crossing off species please take care. Examples of how to cross off species (and how not to) are shown below. Most problems arise because recorders want to read the names they've crossed off. The best method, which allows cards to be photocopied and names to be read, is to use a soft, thick pencil (hard pencil doesn't copy well) or a thin blue or black biro (not felt pen).

Cross species off as follows:

2109 ~~Tussi~~ far  
2110 ~~Typha~~ ang  
2111         lat  
2112 Ulex eur  
2113   gal  
2114   rain

The following are not acceptable!

<del>1862</del> Scler ann	Number is obscured
<del>1865</del> Scrop aur	Number is obscured
1872 <del>Scute</del> gal	Meant to indicate a Skull-cap but you are uncertain
1874   min	which one - gets interpreted as <i>S. galericulata</i>
1875 <del>Sedu</del> acr	Meant to indicate <i>Sedum anglicum</i>
1876   alb	only but gets interpreted as both
1877   ang	<i>S. acre</i> and <i>S. anglicum</i>
2119 Ulmus gla	Meant to indicate an Elm but you are uncertain
2123 <b>sp</b> min	which species In this case, you should write
2122       pro	"Ulmus sp." on the reverse of the card-

If a species is crossed off by mistake, 'correct' it by putting a cross on both sides of the name, i.e.

1610 **X** ~~Prune~~ vulg **X**

Having corrected it, you'll no doubt find it immediately, in which case write the name on the front of the card and don't try to correct your correction.

## 7. Plant status nomenclature

The general rule is that 'status' (alien/native) only needs to be recorded if it is not the default for that species/area. For example, when recording in your area, native taxa can be crossed off without further comment, unless a population/individual is assessed as planted or introduced to the area. Alien species which are established and are undoubtedly alien throughout Britain or Ireland (e.g. Common Field speedwell *Veronica persica*) can also be crossed off without further comment.

Other species at the site or tetrad (or monad) level, however, need to be distinguished by one of the following letters after the name:

- E** Established (a taxon which has been present in the wild for at least 5 years and is spreading vegetatively or is effectively reproducing by seed)
- S** Surviving (present in the wild for at least 5 years but neither spreading vegetatively nor reproducing effectively from seed)
- C** Casual (present briefly, i.e. for less than five years, or intermittently)
- P** Planted deliberately, not established

If you are in doubt about a plants' status, note it on your card, giving as much information as you can. The above guidance is based on the recommendation of the Plant Status Working Group. This group is in the process of tightening up the definitions currently used, and these which will be issued in due course. Please continue to use the definitions noted above in the meantime.

## 8. Consent to the Release of Records

All records are accepted on the understanding that the information provided by the recorder will be entered into a centrally held database and used in the production of the new Atlas and subsequently for nature conservation, research and education and will be available for public information.

## 9. Safety in the field

The BSBI will not accept any responsibility or liability for any injury, damage or loss to persons or their property whilst involved with this survey. You are urged to read carefully the notes relating to safety in the field, available on the BSBI website following this link:

<http://bsbi.org.uk/SafetyInTheField.pdf>. Remember, you must obtain the permission of the landowner before venturing onto any private land.

## Key References

- Cheffings, L.M. & Farrell, L. eds.(2005). *The Vascular Plant Red Data List for Great Britain*. J.N.C.C.  
Dines, T.D. (2008). *A Vascular Plant Red Data List for Wales*. Plantlife International, Salisbury.  
Ellis, R.G. (2015). *A Beginners Guide to Recording*. B.S.B.I.  
McIntosh, J. (2015). *Atlas 2020 Guidance for Vice-county Recorders*. B.S.B.I.  
Stace, C.A. (2010). *New Flora of the British Isles* ed. 3. Cambridge University Press, Cambridge.  
Stroh, P.A., et al. (2014). *A Vascular Plant Red List for England*. B.S.B.I.

Stroh, P.A., et al. (2015). *Notes on identification works and some difficult and under-recorded taxa*.  
B.S.B.I.

**Peter A. Stroh, c/o Cambridge University Botanic Gardens, 1 Brookside, Cambridge, CB2 1JE**  
**June 2015**

Appendix 1. Vice-County Recorders of Britain and Ireland (June 2015)

**CHANNEL**

**ISLANDS**

113	Jersey	Mrs A.H. Haden, Les Deux Ruelles, Le Feuguerel, St Lawrence, Jersey, JE3 1FT; (annehaden@yahoo.co.uk)
	Guernsey	Miss K.J. Gilmour, Guernsey BRC, Old Tobacco Factory, Lan Ramee, St Peter Port, Guernsey, GY1 2ET
	Alderney	Mr B. Bonnard, The Twins, Le Petit Val, Alderney, C.I., GY9 3UU Sark
	Sark	Mrs Susan Synnott, La Seigneurie, Sark, C.I., GY10 1SF; (synnott@cwgsy.net)

**ENGLAND I**

01a	W. Cornwall	Dr C.N. French, 12 Seton Gardens, Camborne, Cornwall, TR14 7JS
01b	Scilly	Mrs R.E. Parslow, Trethew Mill, Lanlivery, Bodmin, Cornwall, PL30 5BZ; (rparslow@cix.co.uk)
2	E. Cornwall	Mr I. Bennallick, Lower Polmorla, St Wenn, Bodmin, Cornwall, PL30 5PE; (ianbennallick@btinternet.com)
3	S. Devon	Mr R.E.N. Smith, 12 Castlewood Avenue, Highweek, Newton Abbot, Devon, TQ12 1NX
4	N. Devon	Dr R.M.H. Hodgson, Gorselands, Axtown, Yelverton, Devon, PL20 6BU
5	S. Somerset	Mr S.J. Parker*, 26 Laburnam Road, Wellington, Somerset, TA21 8EL; (sd.parkers26@virgin.net) & Mr S.J. Leach
6	N. Somerset	Dr H.J. Crouch*, Bronwen, Farrington Road, Paulton, Bristol, BS39 7LP & Ms. Liz McDonnell
7	N. Wilts. &	Ms S.L.Pilkington*, 66 Newtown, Westbury, Wilts., BA13 3EF;
8	S. Wilts.	(sharon.pilkington1@btinternet.com) & Dr R. Aisbitt
9	Dorset	Mr R.M. Walls, 10 Old Brickfields, Broadmayne, Dorchester, Dorset, DT2 8UY; (robin@rmwalls.plus.com)
10	Wight	Dr C.R. Pope, 14 High Park Road, Ryde, Isle of Wight, PO33 1BP; (colinpope@colinpope.plus.com)
11	S. Hants.	Mr M.W. Rand, 21 Pine Road, Hiltingbury, Chandlers Ford, Hants., SO53 1LH; (vc11recorder@hantsplants.org.uk)
12	N. Hants.	Mr A.R.G. Mundell, 38 Conifer Close, Church Crookham, Fleet, Hants., GU52 6LS
13	W. Sussex	Dr. M. Shaw*, The Walnuts, 118 Manor Way, Aldwick Bay, Bognor Regis, W. Sussex, PO21 4HN & Mr M.C. Berry.
14	E. Sussex	Mr P.A. Harmes*, Flat 7, Park View, 5 Offham Terrace, Lewes, BN7 2QP & Mr M.C. Berry.
15	E. Kent	Mr G.D. Kitchener*, Cromlix, Otford Lane, Halstead, Sevenoaks, Kent, TN14 7EB & Mrs S. Buckingham
16	W. Kent	Mr G.D. Kitchener, Cromlix, Otford Lane, Halstead, Sevenoaks, Kent, TN14 7EB
17	Surrey	Mrs P.A. Sankey, 3 Glenrose, Old London Road, Mickleham, Dorking, Surrey, RH5 6BY
18	S. Essex &	Dr K.J. Adams, 63 Wroths Path, Loughton, Essex, IG10 1SH
19	N. Essex	
20	Herts.	Mr T.J. James, 56 Back Street, Ashwell, Baldock, Herts., SG7 5PE; (trevorjames@btinternet.com)
21	Middlesex	Dr M.A. Spencer, 72 Michael Cliffe House, Skinner St., London, EC1R 0WX; (lnhs_plant_recorder@hotmail.com)
22	Berks	Prof. M.J. Crawley, Silwood Park, Ascot, Berks., SL5 7PY; (m.crawley@imperial.ac.uk)

23	Oxon	Mrs S. Helm, Lime Tree House, High Street, Bampton, Oxfordshire OX18 2NJ; (sue@shelm.co.uk)
24	Bucks.	Mr R. Maycock*, 17 Osborne Street, Bletchley, Milton Keynes, MK2 2LU & Mr A.M. McVeigh.
25	E. Suffolk &	Mr M.N. Sanford, 78 Murray Road, Ipswich, Suffolk, IP3 9AQ
26	W. Suffolk	
27	E. Norfolk	Mr R.W. Ellis, 11 Havelock Road, Norwich, NR2 3HQ; (bob@elymus.demon.co.uk)
28	W. Norfolk	Dr R. Carter*, c/o 67 Doddshill, Dersingham, Norfolk, PE31 6LP; (rcarter@rsk.co.uk) & Mrs S. Harmer
29	Cambs.	Mr J. D. Shanklin*, 11 City Road, Cambridge, CB1 1DP; (j.shanklin@bas.ac.uk) & Dr A.C. Leslie
30	Beds.	Mr C.R. Boon & Mr R.J. Wakeley*, Green End Cottage, Green End, Maulden, Bedfordshire MK45 2AB; (vetjw@btinternet.com)
31	Hunts.	Mr D. Broughton, 1 Margate, Woodlesford, Leeds, LS26 8PB
32	Northants.	Mr R.J. Wilson, 23 Cecil St, Rothwell, Northants, NN14 6EZ; (robwilsondesigns@hotmail.com)
33	E. Gloucs.	Vacant
34	W. Gloucs.	Dr C. Lovatt, 57 Walton Road, Shirehampton, Bristol, BS11 9TA
35	Mons.	See under Wales
36	Herefs.	Mr P. Garner*, Lea Cottage, 233 West Malvern Road, West Malvern, Worcs., WR14 4BE; (petergarner@live.co.uk) & Mrs Heather Davies
37	Worcs.	Mr A.W. Reid*, 27 Allesborough Drive, Pershore, Worcs., WR10 1JH, Mr J.J. Day & Mr P.L. Reade
38	Warks.	Mr & Mrs J. Walton, 46 Hill Top, Baddesley Ensor, Atherstone, Warwickshire, CV9 2BQ; (johnwalton46@tiscali.co.uk)
39	Staffs.	Mr J.E. Hawksford, Owerslaak, Laneside Road, New Mills, High Peak, SK22 4LU & Mr Ian Hopkins
40	Salop	Dr S.J. Whild, 9 Albert Street, Shrewsbury, SY1 2HT

## WALES

35	Mons.	Dr S.J. Tyler*, Yew Tree Cottage, Lone Lane, Penallt, Monmouthshire, NP25 4AJ; (steph_tyler2001@hotmail.com) & Mrs E.G. Wood
41	Glam. (West)	Mr B. Stewart, 36 Pencaerwn Road, Gorsenion, Swansea, SA4 4FY; (moonmoths@virginmedia.com)
41	Glam. (East)	Mr J. Woodman, c/o NRW, Unit 4, Castleton Court, Fortran Road, St Mellons, Cardiff, CF3 0LT (Please mark PERSONAL); (Julian.Woodman@naturalresourceswales.gov.uk)
42	Brechs.	Mr M. Porter*, Aberhoywy Farm, Cyffredyn Lane, Llangynidr, Crickhow- ell, Powys, NP8 1LR & Dr J.R. Crellin; (jrc@crellin.org.uk)
43	Rads.	Miss E.R. Dean*, Enmore House, Croft Lane, Kingsland, Leominster, Herefordshire, HR6 9PP; (erd@btconnect.com) & Mrs S.M. Spencer
44	Carms.	Mr R.D. & Mrs K. Pryce, Trevethin, School Road, Pwll, Llanelli, Carmarthenshire, SA15 4AL; (PryceEco@aol.com)
45	Pembs.	Mr S.B. Evans, Glan-y-Mor, Dinas Cross, Newport, Pembrokeshire, SA42 0UQ; (glanymor.dinas@onetel.net)
46	Cards.	Mr S.P. Chambers, 7 Cefn Melindwr, Capel Bangor, Aberystwyth, Ceredigion, SY23 3LS; (steve.chambers@wales.gsi.gov.uk)
47	Monts.	Dr A.K. Thorne*, Churton House, Church Pulverbatch, Shropshire, SY5 8BZ; (k.thorne@btinternet.com) & Mr. M. Duffell
48	Merioneth	Mrs S.E. Stille, 38 Foregate, Fulwood, Preston, PR2 8LA;

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49	Caerns.	Mrs W. McCarthy, 5 Tyn-y-Coed Road, Gt Orme, Llandudno, Conwy, LL30 2QA; (wendorme@aol.com)
50	Denbs.	Mrs D. Williams, Bryn Siriol, Graigfechan, Ruthin, LL15 2HA; (delyth@siriolbryn.co.uk)
51	Flints.	Ms E. Meilleur, 1 Fron Goch, Llanberis, Caernarfon, LL55 4LE; (emilytmei11@gmail.com)
52	Anglesey	Mr I.R. Bonner*, Cae Trefor, Tyn y Gongl, Anglesey, LL74 8SD; (bsbi@caetrefor.co.uk). Joint recorder post vacant.

## ENGLAND II

53	S. Lincs	Ms S. Lambert*, 21 Grafton Avenue., Peterborough, PE3 9PD & Mr M.D. Pool
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55	Leics.	Dr Geoffrey Hall, 3 Sandown Road, Leicester, LE2 2BJ; (geoffrey.hall@ntlworld.com)
56	Notts.	Mr D.C. Wood*, 78 Alford Rd, Edwalton, Nottingham, NG12 4AU & Mr M. Woods, 11 Windmill Grove, Hucknall, Nottinghamshire, NG15 7GJ; (mark.woods705@gmail.com)
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58	Cheshire	Mr G.M. Kay, 4 Geneva Road, Bramhall, Stockport, Cheshire, SK7 3HT
59	S. Lancs. &	Mr D.P. Earl, 25 Outram House, St Mary's Avenue, Walton-le-Dale, Preston,
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62	N.E. Yorks	Mr V. Jones, Hillways, Ingleby Greenhow, Great Ayton, North Yorks., TS9 6LL & Ms J. Magee*, 6 New Row, Wass, York, YO61 4BG; (mageejill2@gmail.com)
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65	N.W. Yorks.	Mrs L.M. Robinson*, The Cottage, Melmerby, Penrith, Cumbria, CA10 1HN (lindarobinson157@btinternet.com) & Dr K.J. Walker
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68	N. Northumb.	Mr C. Metherell, Woodsia House, Main Street, Felton, Northumberland, NE65 9PT
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77	Lanarks.	Vacant
78	Peebles.	Mr L. Gaskell & Dr K. Velandar, Kittyfield Farm, Gattonside, Melrose, Roxburghshire, TD6 9DG; (lukegaskell@hotmail.com); K.Velandar@napier.ac.uk)
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81	Berwicks.	Vacant
82	E. Lothian	Miss E.H. Jackson, 41F Promenade, Musselburgh, Midlothian, EH21 6JU
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87	W. Perth	Mrs E.L.D. Lavery*, Burach, Carnbo, Kinross, KY13 0NX; (lavery@carnbo.freeserve.co.uk), Mrs J.R. Jones & Mr P.D. Stanley
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90	Angus	Mr R.D. Payne*, Airlie Bank, Wylie's Brae, Bamff Road, Alyth, Perth-shire, PH11 8DR; (robin923@btinternet.com), Dr T. Loizou; (theo.scotiaecol@btinternet.com) & Mr F.M.Tulley; (fmtulley@gmail.com)
91	Kincardines.	Mr D. Welch, East Fernbank, Woodside Road, Banchory, Kincardines, AB31 5XL; (welcmd@gmail.com)
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98	Main Argyll	Mr C. Farmer*, Flat 7, Polfearn House, Taynuilt, PA35 1JQ; (carl@vc98.co.uk) & Mr G. Rothero; (gprothero@aol.com)
99	Dumbarton	Mrs P.A. Murdoch, 58 Prestonfield, Milngavie, Glasgow, G62 7PZ; (pamela.murdoch@networkgb.co.uk)
100	Clyde Is.	Mr A.C. Hannah, Glenmore, Rothesay, Isle of Bute, PA20 0QU; (butesedge@yahoo.co.uk)
101	Kintyre	Mr & Mrs B.D. Batty, Kirnan Farm, Kilmichael Glen, Lochgilphead, Argyll, PA31

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102	S. Ebudes	Dr M.A. Ogilvie, Glencairn, Bruichladdich, Isle of Islay, PA49 7UN; (malcolm@ogilvie.org)
103	Mid Ebudes	Miss L. Farrell, 41 High Street, Hemingford Grey, Cambs., PE28 9BJ; (lynneonmull@btinternet.com)
104	N. Ebudes	Dr S.J. Bungard, Ceòl-na-Mara, West Suisnish, Isle of Raasay, by Kyle, IV40 8NX; (suisnish@waitrose.com)
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108	W. Sutherland	Mr I.M. Evans & Mrs P.A. Evans, Calltuin, Nedd, Drumbeg, Lairg, Sutherland, IV27 4NN; (ian.evans.nedd@gmail.com)
109	Caithness	Vacant
110	Outer Hebrides	Mr P.A. Smith, 8 Locks Road, Locks Heath, Southampton, SO31 6NT; (pa.smith@mypostoffice.co.uk)
111	Orkney	Mr J. Crossley, North Flaws, South Ronaldsay, Orkney, KW17 2RW; (flawsjohn@gmail.com)
112	Shetland	Mr W. Scott, New Easterhoull, Scalloway, Shetland, ZE1 0TP; (wscott.zet57@btinternet.com)

#### IRELAND

H01	S. Kerry &	Dr E.C. Mhic Daeid*, Avondale, Moynalty, Kells, Co. Meath, Ireland & Dr R.
H02	N. Kerry	Hodd
H03	W. Cork &	Clare Heardman, NPWS Conservation Ranger (Beara), Main Gate Lodge, Glengarriff Woods Nature Reserve, Glengarriff, Co. Cork
H04	Mid Cork &	Vacant
H05	E. Cork	Vacant
H06	Co. Waterford	Mr P.R. Green, Yoletown, Ballycullane, New Ross, Co. Wexford, Ireland; (paulnewross@eircom.net)
H07	S. Tipperary	Miss R. Fitzgerald, 606 River Forest, Leixlip, Co. Kildare, Ireland
H08	Co. Limerick	Mrs S. Reynolds, 115 Weirview Drive, Stillorgan, Co. Dublin, Ireland
H09	Co. Clare	Dr S.L. Parr*, 14 Ballyvaughan Cottages, Green Road, Ballyvaughan, Co. Clare, Ireland; (sharonparr@eircom.net) and Dr S.D. Ward; (burrensward@gmail.com)
H10	N. Tipperary	Dr D.W. Nash, 35 Nutley Park, Donnybrook, Dublin 4, Ireland
H11	Co. Kilkenny	Mr R.N. Goodwillie, Lavistown Study Centre, Lavistown, Co. Kilkenny, Ireland; (rogerg@indigo.ie)
H12	Co. Wexford	Mr P.R. Green*, Yoletown, Ballycullane, New Ross, Co. Wexford, Ireland; (paulnewross@eircom.net) and Ms P.M. O'Meara
H13	Co. Carlow	Ms L. Dowling, 5 Friars Lough, Leighlinbridge, Co. Carlow, Ireland; (dowling_lisab@yahoo.com)
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H15	S.E. Galway	Dr M. Sheehy Skeffington, Dept. of Botany, University College, Galway, Ireland; (micheline.sheehy@nuigalway.ie)
H16	W. Galway	Dr J. Conaghan, 11 Dun Ard, Craughwell, Co. Galway, Ireland; (conaghaj@indigo.ie)

H17	N.E. Galway	Dr C.J. Peppiatt, 101 Friar's Hill, Bishop O'Donnell Road, Galway City, Ireland; (chris.peppiatt@iol.ie)
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H19	Co. Kildare	Dr D.A. Doogue, 12 Glasilawn Road, Dublin 11, Ireland
H20	Co. Wicklow	Ms C. Brady*, 74 Station Court, The Avenue, Gorey, Wicklow, Ireland & Ms P. Hodson
H21	Co. Dublin	Dr D.W. Nash, 35 Nutley Park, Donnybrook, Dublin 4, Ireland
H22	Meath	Ms M.P. Norton, Tinode, Manor Kilbride, Blessington, Co. Wicklow, Ireland
H23	Westmeath	Mr C. Breen, 101 Bettyglen, Raheny, Dublin 5, Ireland
H24	Co. Longford	Mr S. Howard*, Carra, Granard, Co. Longford, Ireland .
H25	Co. Roscommon	Mr J.J. Earley, Lurriga, Skibbereen, Co. Cork, Ireland
H26	E. Mayo &	Mr G. Sharkey, 81 Jamestown Road, Finglas, Dublin 11, Ireland
H27	W. Mayo	
H28	Co. Sligo	Dr D.C.F. Cotton, Rathrowan House, Rathaberna, Co. Sligo, Ireland
H29	Co. Leitrim	Mr M.D. Archer, Aghacarra, Corrigeenroe, Boyle, Co. Roscommon, Ireland
H30	Co. Cavan	Vacant
H31	Co. Louth	Ms M.D. Lyons, 38 Marino Green, Marino, Dublin 3, Ireland; (lyonsm5@tcd.ie)
H32	Co. Monaghan	Mr P. Lenihan, 21 Brooklawn, Mount Merrion Ave, Blackrock, Co. Dublin, Ireland & Mr Alexis Fitzgerald
H33	Fermanagh	Dr R.S. Forbes*, Coolattin, 26 Castleward Road, Doctor's Hill, Strangford, Co. Down, BT30 7LU; (forbes.ralph@gmail.com) & Mr R.H. Northridge; (robhannort@aol.com)
H34	E. Donegal	Vacant
H35	W. Donegal	Mr R. Sheppard, Carnowen House, Raphoe, Lifford, Co. Donegal, Ireland
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H38	Co. Down	Mr G.V. Day, Cherry Cottage, 11 Ballyhaft Road, Newtownards, Co. Down, BT22 2AW
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H40	Co. Londonderry	Mr D.H. Riley, 161 Duncrun Road, Gortmore, Limavady, Co. Londonderry, BT49 0JJ; (d.riley@virginmedia.com)

## Appendix 2: Contact details for Country Officers

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