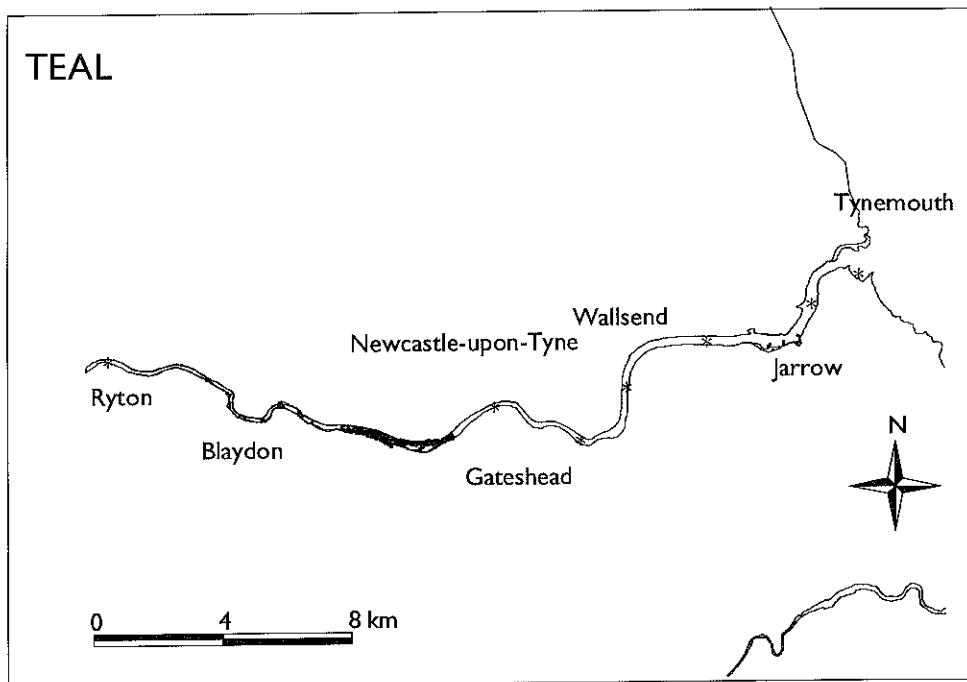


## TEAL



## REDSHANK

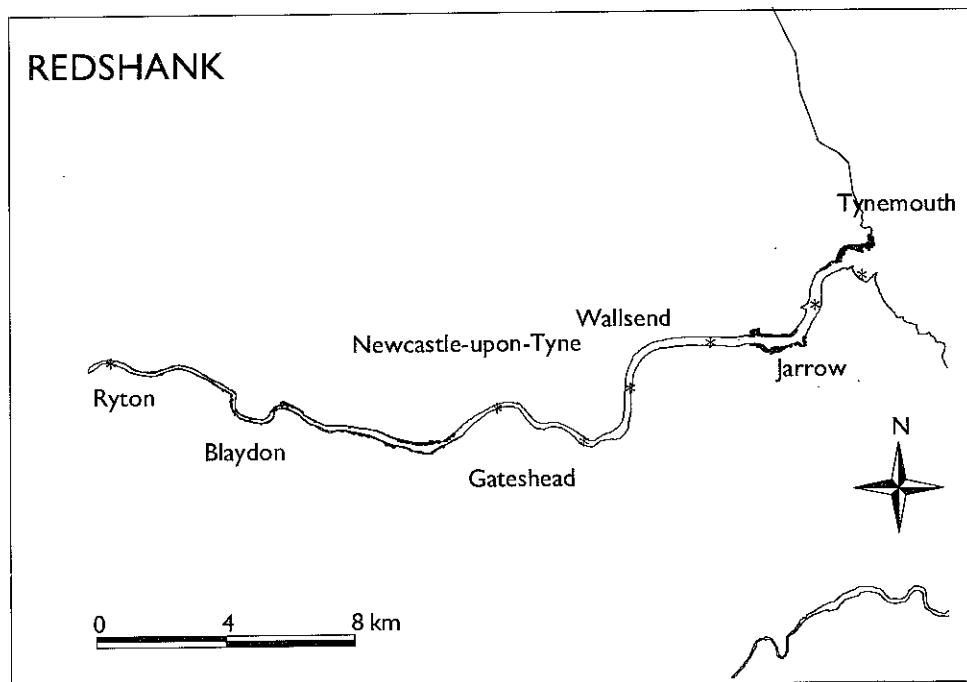


Figure 89. WeBS Low Tide Counts of Teal and Redshank on the Tyne Estuary, winter 1998-99. (\*=not counted)

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## GLOSSARY

The terms listed below are generally restricted to those that have been adopted specifically for use within WeBS or more widely for monitoring.

**Autumn** For waders, autumn comprises July to October inclusive. Due to differences in seasonality between species (see *Monthly Fluctuations*), a strict definition of autumn is not used for wildfowl.

**British Trust for Ornithology (BTO)** The BTO is a well respected organisation, combining the skills of professional scientists and volunteer birdwatchers to carry out research on birds in all habitats and throughout the year. Data collected by the various surveys form the basis of extensive and unique databases which enable the BTO to objectively advise conservation bodies, government agencies, planners and scientists on a diverse range of issues involving birds.

**Complex site** A WeBS site that consists of two or more sectors.

**Core Counts** The basic WeBS counts that monitor all wetlands throughout the UK once per month on priority dates. Used to determine population estimates and trends and identify important sites.

**Local Organiser** Person responsible for co-ordinating counters and counts at a local level, normally a county or large estuary, and the usual point of contact with WeBS partner HQs.

**Incomplete counts** When presenting counts of an individual species, a large proportion of the number of birds was suspected to have been missed, e.g. due to part coverage of the site or poor counting conditions, or when presenting the total number of birds of all species on the site, a significant proportion of the total number was missed.

**I-WeBS** An independent but complementary scheme operating in the Republic of Ireland to monitor non-breeding waterbirds, organised by the IWC BirdWatch Ireland, the National Parks and Wildlife Service (Ireland) and The Wildfowl & Wetlands Trust.

**Joint Nature Conservation Committee (JNCC)** JNCC is the statutory body constituted by the Environmental Protection Act 1990 to be responsible for research and advice on nature conservation at both UK and international levels. The committee is established by English Nature, Scottish Natural Heritage and the Countryside Council for Wales, together with independent members and representatives from the Countryside Commission and Northern Ireland, and is supported by specialist staff.

**Low Tide Counts (LTC)** WeBS counts made at low tide to assess the relative importance of different

parts of individual estuaries as feeding areas for intertidal waterbirds.

**Royal Society for the Protection of Birds (RSPB)**

The RSPB is the charity that takes action for wild birds and the environment in the UK. The RSPB is the national BirdLife partner in the UK.

**Spring** For waders, spring comprises April to June inclusive. Due to differences in seasonality between species (see *Monthly Fluctuations*), a strict definition of spring is not used for wildfowl.

**Waterbirds** WeBS follows the definition adopted by Wetlands International. This includes a large number of families, those occurring regularly in the UK being divers, grebes, cormorants, herons, storks, ibises and spoonbills, wildfowl, cranes, rails, waders and gulls and terns.

**WeBS count sector** The unit of division of large sites into areas which can be counted by one person in a reasonable time period. They are often demarcated by geographic features to facilitate recognition of the boundary by counters. The finest level at which data are recorded.

**WeBS count site** A biologically meaningful area that represents a discrete area used by waterbirds such that birds regularly move within but only occasionally between sites. The highest level at which count data are stored.

**WeBS count sub-site** A grouping of sectors within a site to facilitate co-ordination. In most cases, sub-sites also relate to biologically meaningful units for describing waterbird distribution.

**WeBS count unit** The area/boundary within which a count is made. The generic term for sites, sub-sites and sectors.

**Wetland Advisory Service (WAS)** The environmental consultancy wing of The Wildfowl & Wetlands Trust.

**The Wildfowl & Wetlands Trust (WWT)** Founded by Sir Peter Scott in 1946, WWT is the only wildlife conservation charity specialising in wetlands and the wildlife they support. It has pioneered the bringing together of people and wildlife for the benefit of both and seeks to raise awareness of the value of wetlands, the threats they face and the actions needed to save them. To this end, WWT has eight centres throughout the UK and is dedicated to saving wetlands for wildlife and people.

**Winter** For waders, winter comprises November to March inclusive. Due to differences in seasonality between species (see *Monthly Fluctuations*), a strict definition of winter is not used for wildfowl.

**Winter (five-year) peak mean** Calculated by averaging the peak count in each season for a particular species at an individual site (i.e. the right hand column of figures in the table in each species account). Normally calculated using the most recent five years' data, this figure is compared with the respective *1% thresholds* to determine if the site qualifies as nationally or internationally important.

**1% criterion** The Ramsar Convention has established site selection criteria. One such criterion (currently numbered Criterion 3c) indicates that a site is identified as being of international importance if it holds 1% or more of a population of waterbirds. A

change in the 1% criterion would be if the selection threshold changes to, say, 2% of a population (the 2% criterion) or 0.5% of a population (0.5% criterion). The term thus relates to the proportion (1%) that is used as a criterion for internationally important site selection.

**1% threshold** This logically derives from the *1% criterion* and relates to the number of birds that are used as the nominal 1% of the population for the purposes of site selection. Thus, an international population of 75,215 Shelduck has a derived 1% threshold (adopting rounding conventions) of 750.

## APPENDIX I. INTERNATIONAL DESIGNATIONS

The Ramsar Convention on Wetlands of International Importance especially as Waterfowl Habitat requires each Contracting Party to designate suitable wetlands, selected on account of their international significance in terms of ecology, botany, zoology, limnology or hydrology, for inclusion in a List of Wetlands of International Importance (known as Ramsar sites) (Carp 1972). The Directive on the Conservation of Wild Birds (EC/79/409) lays emphasis on the need to conserve bird habitats as a means of maintaining populations and that this, in part, should be achieved by the establishment of a network of protected areas termed Special Protection Areas (SPAs) (Stroud *et al.* 1990). Ramsar Sites and SPAs may be identified using a number of criteria, including a number of numeric selection criteria (see Appendix 2) which draw heavily

upon waterbird counts, especially WeBS and the other data presented in this report.

Between 1 January 1998 and 31 March 1999, a total of 38 SPAs and 23 Ramsar sites were designated by the UK, with 17 of these sites receiving dual designation. These new designations are indicated in Table A1 by 'N'.

This represents excellent progress during the period. By 31 March 1999, 137 Ramsar sites and 199 SPAs had been designated in the UK, with a further three UK Ramsar sites in Dependent Territories. The total area designated as Ramsar sites has reached 661,217.27 ha, and that as SPAs is 943,584.23 ha. Since many sites are designated as both a Ramsar site and SPA, this represents a total area designated of just under one million square kilometres.

**Table A1.** Ramsar Sites and SPAs designated in the UK as of 31 March 1999. (R) = Ramsar site only; (S) = SPA only; the remainder have dual designation. Sites designated during the period 1 January 1998 to 31 March 1999 are denoted by 'N'.

Abberton Reservoir	Castle Loch, Lochmaben	N Eoligarry (S)
Abernethy Forest (S)	Castlemartin Coast (S)	Esthwaite Water (R)
Achanalt Marshes (S)	Chesil Beach and The Fleet	Exe Estuary
Ailsa Craig (S)	Chew Valley Lake (S)	Fair Isle (S)
Alde-Ore Estuary	Chichester and Langstone	Fala Flow
Alt Estuary	Harbours	Farne Islands (S)
Ashdown Forest (S)	Chippenham Fen (R)	Fetlar (S)
N Auskerry (S)	Claisl Moss (R)	Feur Lochain (part of Rinnis of Islay)
N Avon Valley	Coll	Firth of Forth Islands (S)
N Ballochbuie (S)	Colne Estuary (Mid-Essex Coast Phase 2)	Flamborough Head and Bempton Cliffs (S)
N Ballynahone Bog (R)	Copinsay (S)	Flannan Isles (S)
N Beinn Dearg (S)	Coquet Island (S)	Foula (S)
N Belfast Lough	Cors Caron (R)	Foulness (Mid-Essex Coast Phase 5)
N Ben Wyvis (S)	Cors Fochno and Dyfi (R)	Fowlsheugh (S)
Benacre to Easton Bavents (S)	N Corsydd Môn a Llyn /Anglesey and Llyn Fens (R)	N Garron Plateau (R)
Bentfleet and Southend Marshes	N Creag Meagaidh (S)	Gibraltar Point
N Berwyn (S)	N Cromarty Firth (Moray Basin Firths and Bays)	Glac na Criche (part of Rinnis of Islay)
Blackwater Estuary (Mid-Essex Coast Phase 4)	N Crouch and Roach Estuaries (Mid-Essex Coast Phase 3)	Gladhouse Reservoir
Bowland Fells (S)	Crymlyn Bog (R)	Glannau Aberdaron and Ynys Enlli/Aberdaron Coast and Bardsey Island (S)
Breydon Water	N Cuilcagh Mountain (R)	Glannau Ynys Gybi /Holy Island Coast (S)
Bridgend Flats, Islay	Deben Estuary	N Glas Eileanan (S)
Bridgewater Bay (part of Severn Estuary) (R)	Dengie (Mid-Essex Coast Phase 1)	Glen Tanar (S)
N Broadland	Dersingham Bog (R)	Grassholm (S)
N Buchan Ness to Collieston Coast (S)	Derwent Ings (part of Lower Derwent Valley)	Great Yarmouth North Denes (S)
Bure Marshes (part of Broadland) (R)	Din Moss - Hoselaw Loch	Greenlaw Moor
Burry Inlet	Dornoch Firth and Loch Fleet	Gruinart Flats, Islay
Caenlochan (S)	N Dorset Heathlands	Hamford Water
Cairngorm Lochs (R)	Drumochter Hills (S)	Handa (S)
Cairngorms (S)	N Duddon Estuary	Hermaness and Saxa Vord (S)
N Caithness and Sutherland Peatlands	East Caithness Cliffs (S)	Hickling Broad and Horsey Mere (part of Broadland) (R)
N Caithness Lochs	N East Devon Heaths (S)	Holburn Lake and Moss
N Calf of Eday (S)	East Sanday Coast	Hornsea Mere (S)
Cameron Reservoir	Eilean na Muice Duibhe (Duich Moss) Islay	
N Canna and Sanday (S)	Elenydd-Malltraen (S)	
Cape Wrath (S)		
N Carlingford Lough		

Humber Flats, Marshes and Coast (Phase 1)	Montrose Basin	Salisbury Plain (S)
N Inner Moray Firth (Moray Basin Firths and Bays)	Moor House (S)	Severn Estuary
Irthinghead Mires (R)	Moray and Nairn Coast	Sheep Island (S)
N Kilpheder to Smerclate, South Uist (S)	Morecambe Bay	Shiant Isles (S)
N Kintyre Goose Roosts	Mousa (S)	Silver Flowe (R)
Laggan, Islay (S)	Nene Washes	Skomer (S)
Larne Lough	N Ness & Barvas, Lewis (S)	N Solent and Southampton Water
Leighton Moss	New Forest	Somerset Levels and Moors
Lindisfarne	North Caithness Cliffs (S)	South Pennine Moors Phase 1 (S)
Llyn Idwal (R)	North Colonsay and Western Cliffs (S)	South Pennine Moors Phase 2 (S)
Llyn Tegid (R)	North Harris Mountains (S)	South Tayside Goose Roosts
Loch an Duin (R)	North Inverness Lochs (S)	South Uist Machair and Lochs
Loch Ashie (S)	North Norfolk Coast	St Abb's Head to Fast Castle (S)
Loch Druidibeg, Loch a' Machair and Loch Stilligarry (R)	N North Sutherland Coastal Islands (S)	St Kilda (S)
Loch Eye	N North Uist Machair and Islands	Stodmarsh
Loch Flemington (S)	Noss (S)	Stour and Orwell Estuaries
Loch Ken and River Dee Marshes	Old Hall Marshes (part of Blackwater Estuary)	N Strangford Lough
Loch Knockie and Nearby Lochs (S)	Orfordness-Havergate (part of Alde-Ore Estuary) (S)	Sule Skerry and Sule Stack (S)
Loch Leven (R)	Ouse Washes	Sumburgh Head (S)
Loch Lomond	Pagham Harbour	Swan Island (S)
Loch Maree	Papa Westray (North Hill and Holm) (S)	Tamar Estuaries Complex (S)
N Loch of Inch and Torrs Warren	Pendland Firth Islands (S)	Teesmouth and Cleveland Coast
Loch of Kinnordy	Pettigoe Plateau	Thanet Coast and Sandwich Bay
Loch of Lintrathen	N Pevensey Levels (R)	'The Dee Estuary
Loch of Skene	N Poole Harbour	The Swale
Loch of Strathbeg	Porton Down (S)	The Wash
Loch Ruthven	Portsmouth Harbour	Thursley and Ockley Bog (R)
Loch Spynie	Priest Island (Summer Isles) (S)	Thursley, Hankley and Frensham Commons (Wealden Heaths Phase 1) (S)
Loch Vaa (S)	Ramna Stacks and Gruney (S)	Traeth Lafan/Lavan Sands, Conway Bay (S)
N Lochnagar (S)	Ramsey and St David's Peninsula Coast (S)	Treshnish Isles (S)
Lochs Druidibeg, a' Machair (S)	Rannoch Moor (R)	Troup, Pennan and Lion's Heads (S)
Lochs of Spiggie and Brow (S)	N Rathlin Island (S)	Upper Lough Erne
N Lough Foyle	Redgrave and South Lopham Fens (R)	Upper Severn Estuary (part of Severn Estuary)
Lough Neagh and Lough Beg	Ribble and Alt Estuaries (Phase 2)	Upper Solway Flats and Marshes
Lower Derwent Valley	Ribble Estuary (S)	Walmore Common
Malham Tarn (R)	Rinns of Islay	N Wealden Heaths Phase 2 (S)
Martin Mere	River Spey - Insh Marshes	West Westray (S)
Marwick Head (S)	Rockcliffe Marsh (part of Upper Solway Flats and Marshes)	Westwater
Medway Estuary and Marshes	Ronas Hill - North Roe and Tingon	Wicken Fen (R)
Mersey Estuary	Rostherne Mere (R)	Woodwalton Fen (R)
Midland Meres and Mosses Phase 0	Roydon Common (R)	Ynys Feurig, Cemlyn Bay and The Skerries (S)
Midland Meres and Mosses Phase 2 (R)	Rum (S)	N Ythan Estuary and Meikle Loch (R)
Mingulay and Berneray (S)	Rutland Water	N Ythan Estuary, Sands of Forvie and Meikle Loch (S)
Minsmere - Walberswick		
N Mointeach Scadabhaigh (S)		
Monach Isles (S)		

## APPENDIX 2. INTERNATIONAL AND NATIONAL IMPORTANCE

Any site recognised as being of international ornithological importance is considered for classification as a Special Protection Area (SPA) under the EC Directive on the Conservation of Wild Birds (EC/79/409), whilst a site recognised as an internationally important wetland qualifies for designation as a Ramsar site under the Convention on Wetlands of International Importance especially as Waterfowl Habitat. Criteria for assessing the international importance of wetlands have been agreed by the Contracting Parties to the Ramsar Convention on Wetlands of International Importance (Ramsar Convention Bureau 1988). Under one criterion, a wetland is considered internationally important if it regularly holds at least 1% of the individuals in a population of one species or subspecies of waterbird, while any site regularly holding a total of 20,000 or more waterbirds also qualifies. Britain and Ireland's wildfowl belong, in most cases, to the northwest European population (Pirot *et al.* 1989), and the waders to the east Atlantic flyway population (Smit & Piersma 1989).

A wetland in Britain is considered nationally important if it regularly holds 1% or more of the estimated British population of one species or subspecies of waterbird, and in Northern Ireland important in an all-Ireland context if it holds 1% or more of the estimated all-Ireland population.

The 1% thresholds for British, all-Ireland and international waterbird populations, where known, are listed in Table A2. Thus, any site regularly supporting at least this number of birds potentially qualifies for designation under national legislation, or the EC Bird's

Directive or Ramsar Convention. The international population for each species and sub-species is also specified in the table. However, it should be noted that, where 1% of the national population is less than 50 birds, 50 is normally used as a minimum qualifying threshold for the designation of sites of national or international importance.

1% thresholds have not been derived for introduced species since, for these species, protected sites (e.g. SSSIs) would not be identified on the basis of numbers for these birds.

Sources of qualifying levels represent the most up-to-date figures following recent reviews: for British wildfowl see Kirby (1995); for British waders see Cayford & Waters (1996); for all-Ireland importance for divers see Danielsen *et al.* (1993) and for other waterbirds see Whilde (in prep.) cited in Way *et al.* (1993). International criteria follow Smit & Piersma (1989) or Scott & Rose (1996).

It was agreed at the meeting of the Ramsar Convention in Brisbane that population estimates will be reviewed by Wetlands International every three years and 1% thresholds revised every nine years (Rose & Stroud 1994; Ramsar Resolution VI.4).

The third edition of *Waterfowl Population Estimates*, presented to the Seventh Meeting of the Contracting Parties to the Ramsar Convention in Costa Rica in May 1999, includes revisions for a number of goose populations (following Madsen *et al.* 1999) and of a number of east Atlantic flyway wader populations (see Davidson 1998a). The next revision of British population sizes will be undertaken in the year 2000.

**Table A2.** 1% thresholds for national and international importance.

	Great Britain	all-Ireland	International	Population
Red-throated Diver	50	10 *	750	Europe/Greenland
Black-throated Diver	7 *	1 *	1,200	Europe/NW Siberia
Great Northern Diver	30 *	?	50	Europe
Little Grebe	30 *	?	?	W Palearctic
Great Crested Grebe	100	30 *	?	NW Europe
Red-necked Grebe	1 *	?	330	NW Europe
Slavonian Grebe	4 *	?	50	NW Europe
Black-necked Grebe	1 *	?	1,000	W Palearctic
Cormorant	130	?	1,200	NW Europe
Little Egret	?	?	1,250	W Mediterranean
Grey Heron	?	?	4,500	Europe/N Africa
Mute Swan	260	55	2,400	NW Europe
Bewick's Swan	70	25 *	170	W Siberia/NW Europe
Whooper Swan	55	100	160	Iceland/UK/Ireland
Bean Goose	4 *	+ *	800	NE & NW Europe
Pink-footed Goose: Iceland/Greenland	1,900	+ *	2,250	E Greenland/Iceland/UK
European White-fronted Goose	60	+ *	6,000	NW Siberia/NE & NW Europe
Greenland White-fronted Goose	140	140	300	Greenland/Ireland/UK
Greylag Goose: Iceland	1,000	40 *	1,000	Iceland/UK/Ireland
Hebrides/N Scotland	50	n/a	50	NW Scotland

	<b>Great Britain</b>	<b>all-Ireland</b>	<b>International</b>	<b>Population</b>
Barnacle Goose: Greenland	270	75	320	E Greenland/ Ireland/Scotland
Svalbard	120	+ *	120	Svalbard/SW Scotland
Dark-bellied Brent Goose	1,000	+ *	3,000	<i>berniota</i>
Light-bellied Brent Goose: Canada	+ *	200	200	Canada/Ireland
Svalbard	25 *	+ *	50	Svalbard/Denmark/UK
Shelduck	750	70	3,000	NW Europe
Wigeon	2,800	1,250	12,500	NW Europe
Gadwall	80	+ *	300	NW Europe
Teal	1,400	650	4,000	NW Europe
Mallard	5,000	500	20,000 **	NW Europe
Pintail	280	60	600	NW Europe
Garganey	+ *	+ *	20,000 **	Europe/W Africa
Shoveler	100	65	400	NW Europe/Central Europe
Red-crested Pochard	+ *	+ *	250	C & SW Europe/W Mediterranean
Pochard	440	400	3,500	NW Europe
Tufted Duck	600	400	10,000	NW Europe
Scaup	110	30 *	3,100	NW Europe
Eider	750	20 *	20,000 **	Europe
Long-tailed Duck	230	+ *	20,000 **	Iceland/Greenland/ NW Europe
Common Scoter	350	40 *	16,000	W Siberia/W Europe/ NW Africa
Velvet Scoter	30 *	+ *	10,000	W Siberia/NW Europe
Goldeneye	170	110	3,000	NW & Central Europe
Smew	2 *	+ *	250	NW & Central Europe
Red-breasted Merganser	100	20 *	1,250	NW & Central Europe
Goosander	90	+ *	2,000	NW & Central Europe
Coot	1,100	250	15,000	NW Europe
Oystercatcher	3,600	500	9,000	Europe/W Africa (win)
Avocet	10 *	+ *	700	Europe/NW Africa (bre)
Little Ringed Plover	?	?	?	Europe/W Africa
Ringed Plover	290	125	500	Europe/NW Africa (win)
passage	300			
Golden Plover	2,500	2,000	18,000	NW Europe (bre)
Grey Plover	430	40 *	1,500	E Atlantic
Lapwing	20,000 **	2,500	20,000 **	Europe/W Africa
Knot <i>C. c. islandica</i>	2,900	375	3,500	W Europe/Canada
<i>C. c. canutus</i>			5,000	W Africa/W Siberia
Sanderling	230	35 *	1,000	E Atlantic
passage	300			
Little Stint	?	?	2,100	W Africa/Europe
Curlew Sandpiper	?	?	4,500	W Africa/SW Europe(win)
Purple Sandpiper	210	10 *	500	E Atlantic
Dunlin <i>C. a. arctica</i>			150	Greenland (bre)
<i>C. a. schinzii</i> (Icelandic)			8,000	Iceland/Greenland (bre)
<i>C. a. schinzii</i> (temperate)			200	UK/Ireland/Baltic
<i>C. a. alpina</i>	5,300	1,250	14,000	Europe (bre)
passage	2,000			
Ruff	7 *	+ *	10,000	W Africa (win)
Jack Snipe	?	250	?	Europe/W Africa (win)
Snipe	?	?	10,000	Europe/W Africa (bre)
Woodcock	?	?	20,000 **	Africa/Europe
Black-tailed Godwit	70	90	700	Iceland (bre)
Bar-tailed Godwit	530	175	1,000	W Europe (win)
Whimbrel	+ *	+ *	6,500	Europe/W Africa (win)
passage	50			

	<b>Great Britain</b>	<b>all-Ireland</b>	<b>International</b>	<b>Population</b>
Curlew	1,200	875	3,500	Europe/NW Africa
Spotted Redshank	+ *	+ *	1,500	Europe/W Africa
Redshank <i>T. t. totanus</i>	1,100	245	1,500	Europe/W Africa (win)
<i>T. t. robusta</i>	1,100		1,500	NW Europe (win)
passage	1,200			
Greenshank	+ *	9 *	3,000	Europe/W Africa
Green Sandpiper	?	?	?	Europe (bre)
Common Sandpiper	?	?	?	Europe (bre)
Turnstone	640	225	700	Europe (win)
Little Gull	?	?	750	Cent/E Europe (bre)
Black-headed Gull	?	?	20,000 **	NW Europe
Common Gull	?	?	16,000	NW Europe
Lesser Black-backed Gull	?	?	4,500	W Europe
Herring Gull	?	?	13,000	W Europe/Iceland
Great Black-backed Gull	?	?	4,800	W Atlantic
Kittiwake	?	?	20,000 **	E Atlantic
Sandwich Tern	?	?	1,500	W Europe/W Africa
Common Tern	?	?	6,000	N/E Europe
Little Tern	?	?	340	E Atlantic
Black Tern	?	?	2,000	Europe/Asia

? Population size not accurately known

+ Population too small for meaningful figure to be obtained

\* Where 1% of the British or all-Ireland wintering population is less than 50 birds, 50 is normally used as a minimum qualifying level for national or all-Ireland importance respectively

\*\* A site regularly holding more than 20,000 waterbirds qualifies as internationally important by virtue of absolute numbers

### APPENDIX 3. ANALYSES

This appendix provides additional detail about the analyses used in this report to that presented in *Analyses* and lists the index values used to produce

the graphs of annual and monthly indices in the species accounts.

#### Data availability

The count scheme first begun in 1947 has developed considerably over time (see Cranswick *et al.* 1997). In particular, coverage of species and area has expanded

during this time. The first year for which data for certain species or areas are available for use in analyses are given below:

**Table A3.** First year of availability of WeBS Core Count data for different species and areas

Wildfowl in GB	1960 on computer (collected since 1947)
Waders in UK	1969-70
Great Crested Grebe	1982-83
Coot	1982-83
Little Grebe	1985-86
Cormorant	1986-87
Wildfowl in Northern Ireland	1986-87
All other species (rare grebes, divers, rarities, gulls, terns)	1993-94

#### National totals for goose populations

Figures presented in Tables 1 & 2 and in Appendices 4-9 for total counts of the various goose populations are derived initially from WeBS Core Counts, but are replaced by results of dedicated censuses (see *Survey Methods*, *Analyses* and *Coverage* for appropriate

references, methods and dates) where these provide better counts. Several goose populations are identified according to location (and totals derived by summing counts from particular WeBS regions) where they cannot be separated in the field by appearance.

**Table A4.** Use of WeBS Core Count and goose census data to compile national totals for goose populations in 1998-99.

Bean Goose	WeBS Core Counts in all months
Pink-footed Goose	October and November counts replaced by summed counts from the co-ordinated national censuses
European White-fronted Goose	WeBS Core Counts in all months
Greenland White-fronted Goose	November and March counts replaced by summed counts from the co-ordinated late autumn and late spring international censuses, respectively
Greylag Goose: Iceland	WeBS Core Counts from all WeBS regions in Scotland except those on the west coast (see NW Scotland population) plus Northumberland and North Cumbria. October and November counts replaced by summed counts from the co-ordinated national censuses.
NW Scotland	WeBS Core Counts from WeBS regions Islay/Jura/Colonsay, Mull/Lismore/Coll/Tiree Skye, Highland Southwest and North and South Outer Hebrides. August and February counts replaced by summed counts from co-ordinated censuses of Outer Hebrides. August 1997 count replaced by total from full national survey
naturalised	WeBS Core Counts for all sites in Wales and England, except for Northumberland and North Cumbria
Canada Goose	WeBS Core Counts in all months
Barnacle Goose: Greenland	WeBS Core Counts from all WeBS regions on Scottish west coast, plus Shetland and Orkney. November and March counts replaced by summed counts from the co-ordinated late autumn and late spring censuses in Argyll plus the monthly maximum count from Hoy, Orkney.

Note that Icelandic and NW Scotland populations overlap in WeBS regions Orkney and North Highland. NW Scotland birds counted by WeBS in these regions will be included Icelandic population totals. Note also that up to 2,340 naturalised birds occur in Scotland (Delany 1993) and others in Northumberland and North Cumbria which are therefore incorrectly included in totals of Icelandic birds in Appendices 4-9

Barnacle Goose: Svalbard	WeBS Core Counts from WeBS regions Dumfries & Galloway, North Cumbria, Northumberland, Borders, Lothians, Central, Fife, Perth & Kinross, Angus, Grampian, Moray and SE Highland. Dumfries & Galloway and North Cumbria WeBS Core Counts replaced by Solway-wide counts and censuses between October and March.
naturalised	WeBS Core Counts for all WeBS regions in Wales and England, except for Northumberland and North Cumbria
Dark-bellied Brent Goose	WeBS Core Counts, plus additional counts of inland areas in January and February
Light-bellied Brent Goose: Canada	WeBS Core Counts for sites in Northern Ireland, Wales and WeBS regions Shetland, Orkney, Highland North, Western Isles, Skye, Highland Southwest, Islay/Jura/Colonsay, Argyll West Mainland, Mull/Lismore/Coll/Tiree, Dumbarton/SE Argyll, Renfrew, Lanarkshire/Strathkelvin, Ayrshire & Arran, Dumfries & Galloway West, Cornwall, Devon and the Channel Islands. October count in Northern Ireland replaced by counts in Northern Ireland made during all-Ireland census.
Svalbard	WeBS Core Counts from regions not used to compile Canada population totals (see above)

#### Annual indices

Underhill index values are derived from sites where at least 50% of the maximum possible number of counts, bearing in mind that different months are used for different species, were complete. Index values provided extend back to 1966-67 for wildfowl and 1971-72 for waders, representing the first years in which coverage was deemed sufficient for data to be included in the calculation of the index. A number of species were only first included in WeBS in the 1980s, whilst counts of wildfowl in Northern Ireland only began in earnest in 1985-86.

Underhill (1989) recommends that, where possible, the index is based on counts from more than one month. The months chosen for each species are given below. The most appropriate grouping of months on which to base the annual index for waders is December, January and February, the period when the wintering population in Britain and Northern Ireland is most stable (Prys-Jones *et al.* 1994). However, the peak abundance of different wildfowl occur in different months according to species, and thus different months and different numbers of months were selected for each (Kirby *et al.* 1995).

The selection of months for calculating indices for wildfowl and their allies was made by first calculating monthly index values for all months September to March, and selecting that with the highest index value and any adjacent months with overlapping consistency intervals. Data from all years from 1966-67 onwards were used for calculating the index for each of these species, as recommended in Kirby *et al.* (1995), or from the years in which data were first available for species added to the scheme subsequently (see above). Caution is urged in particular regarding the first few years' index values for these species only recently included in the scheme; missing counts may have been incorrectly recorded as nil counts, giving rise to anomalous index values. The parameters used for indexing each species follow Kirby *et al.* (1995).

Due to more stable populations of waders during the winter, the months December to February are chosen for calculation of index values for all waders for which there are suitable data. Due to the small number of sites in Northern Ireland, data are combined for analysis at the UK level.

**Table A5.** Months used in calculating indices for wildfowl species in Great Britain and Northern Ireland (indicated using the first letter of the months September to March)

Species	GB	NI	Species	GB	NI
Little Grebe	SO	SON	Shelduck	JF	DJFM
Great Crested Grebe	SON	SONDJFM	Wigeon	J	SONDJFM
Cormorant	SONDJFM	SOND	Gadwall	SONDJFM	SONDJ
Mute Swan	SONDJFM	SONDJ	Teal	D	DJ
Bewick's Swan	JF	NDJF	Mallard	D	SO
Whooper Swan	ND	ONDJFM	Pintail	ONDJ	ONDJFM
Pink-footed Goose	O or N	-	Shoveler	SO	SONDJFM
European Whitefront	JF	-	Pochard	NDJ	NDJF
Greenland Whitefront	N or M	N or M	Tufted Duck	NDJF	ONDJFM
Greylag Goose: Icelandic naturalised	O or N	-	Goldeneye	F	DJFM
Canada Goose	S	-	Red-breasted Merganser	ONDJFM	SONDJFM
Barnacle Goose: Svalbard	any month	-	Goosander	DJF	-
Dark-bellied Brent	DJF	-	Ruddy Duck	SONDJFM	-
Light-bellied Brent	-	SONDJFM	Coot	SONDJ	SONDJFM

**Table A6.** Great Britain annual index values for wildfowl

Year	LG	GG	CA	MS	BS	WS	PG	EW	NW	J	JE	CG	YS	DB	SU	WN	GA	T	MA	PT	SV	PO	TU	GN	RM	GD	RY	CO	
1966-67	61	26	57	33	161	73	3	14	28	78	61	5	28	147	26	56	112	68	75	36	44	0							
1967-68	61	28	31	29	306	64	3	14	34	88	71	5	20	129	36	61	118	73	64	32	47	0							
1968-69	55	21	36	28	416	73	2	17	16	29	83	61	6	34	133	44	33	14	85	102	77	102	56	-					
1969-70	57	21	54	32	452	75	2	20	19	32	119	64	6	39	107	40	69	93	77	55	69	72	-						
1970-71	53	45	37	31	361	78	3	24	12	39	102	67	12	36	156	59	59	90	85	78	74	54	-						
1971-72	53	33	58	28	151	77	5	21	14	38	108	51	14	41	133	55	91	110	97	94	53	63	-						
1972-73	55	20	55	30	95	88	6	30	17	43	93	59	13	42	130	72	87	123	105	97	50	48	3						
1973-74	53	32	43	36	278	92	5	26	20	57	95	60	11	53	121	24	104	118	104	121	56	107	3						
1974-75	53	25	64	39	76	83	6	26	20	48	90	53	14	48	130	07	77	132	101	117	73	93	3						
1975-76	51	35	50	32	154	76	5	20	23	67	109	49	13	60	116	02	65	135	107	70	65	66	7						
1976-77	49	51	39	31	197	67	7	29	28	62	101	65	14	56	133	95	82	102	84	72	74	59	12						
1977-78	48	58	60	30	134	80	12	32	26	66	89	21	60	103	10	96	116	90	81	78	52	12							
1978-79	51	62	45	34	256	92	12	38	34	78	138	73	21	73	126	81	101	97	90	79	81	95	13						
1979-80	52	62	65	35	133	97	14	42	30	99	15	59	25	69	125	05	103	95	98	82	77	79	20						
1980-81	52	80	57	42	159	108	16	45	35	80	31	58	29	83	129	28	93	98	102	68	88	105	35						
1981-82	56	78	41	39	192	115	20	48	32	87	45	67	34	105	125	88	33	121	93	86	91	86	99	120	31				
1982-83	57	68	66	39	161	33	97	24	55	33	17	10	44	37	88	133	21	92	102	98	92	96	115	34	81				
1983-84	73	52	82	50	44	148	37	98	29	52	32	18	19	42	42	92	143	121	98	105	88	73	89	93	44	88			
1984-85	86	51	123	51	37	200	43	77	39	63	40	17	12	105	40	73	121	48	106	100	90	85	98	85	50	92			
1985-86	19	74	54	106	72	56	189	51	128	39	69	40	24	132	86	44	75	148	14	13	90	93	74	136	124	51	88		
1986-87	29	73	30	58	137	82	59	172	52	123	39	71	24	138	95	48	66	131	76	103	101	97	97	150	134	53	87		
1987-88	26	75	65	63	75	75	75	215	54	82	44	20	17	73	54	77	151	121	99	90	84	82	123	138	58	83			
1988-89	69	81	89	70	83	108	77	192	58	131	50	96	46	136	16	72	62	87	134	10	101	106	105	82	123	131	64	95	
1989-90	75	97	90	75	75	114	102	80	167	65	101	53	74	45	108	22	69	59	110	127	108	16	98	85	78	82	66	95	
1990-91	80	96	103	84	126	115	83	134	69	138	58	81	46	146	31	69	66	96	122	94	129	96	94	105	104	107	68	84	
1991-92	74	93	94	79	134	79	102	187	73	106	55	93	51	178	36	90	59	91	117	11	125	93	88	97	92	71	83		
1992-93	71	105	93	77	92	78	86	46	69	118	62	51	21	17	86	60	115	80	105	78	91	90	103	89	67	86			
1993-94	88	102	108	83	81	69	98	158	77	119	64	86	55	155	29	87	72	99	105	78	101	97	99	119	85	71	98		
1994-95	104	104	116	88	64	80	114	87	104	76	79	69	123	11	98	82	96	105	84	107	108	95	98	143	86	69	99		
1995-96	127	102	118	89	126	73	87	121	97	100	84	89	78	117	130	101	91	102	91	132	109	93	90	111	137	82	102		
1996-97	103	99	108	92	122	101	102	141	94	96	99	103	88	126	33	117	92	91	101	95	127	92	100	130	12	71	100		
1997-98	103	103	103	96	66	103	137	93	96	100	100	91	127	17	86	106	111	91	80	126	88	98	92	126	105	114	90		
1998-99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100		

#### Wildfowl species codes

LG	Little Grebe	PG	Pink-footed Goose	YS	Svalbard Barnacle Goose
GG	Great Crested Grebe	EW	European White-fronted Goose	DB	Dark-bellied Brent
CA	Cormorant	NW	Greenland White-fronted Goose	PB	Light-bellied Brent
MS	Mute Swan	J	Icelandic Greylag Goose	SU	Shelduck
BS	Bewick's Swan	JE	Naturalised Greylag	WN	Shoveler
WS	Whooper Swan	CG	Canada Goose	GA	Pochard

T	T. Teal	MA	Svalbard Barnacle Goose
LG	Mallard	PT	Dark-bellied Brent
GG	Pintail	SV	Light-bellied Brent
CA	Shoveler	PO	Shelduck
MS	Pochard	TU	Wigeon
BS	Tufted Duck		Gadwall
WS			

**Table A7.** Northern Ireland annual index values for wildfowl

Year	LG	GG	CA	MS	BS	VWS	PB	SU	VN	GA	T.	MA	PT	SV	PO	TU	GN	RM	CO
1986-87	51	67	2	56	1051	139	36	73	133	59	62	100	35	171	111	59	130	65	75
1987-88	21	85	25	64	1555	188	84	62	141	84	101	74	58	115	117	113	148	110	91
1988-89	118	106	56	70	1493	212	80	106	178	87	99	90	87	132	168	118	123	125	86
1989-90	120	82	65	77	2664	146	83	73	127	126	108	106	46	112	152	125	114	119	116
1990-91	92	73	47	74	2925	166	100	86	159	99	125	99	74	96	155	119	146	115	107
1991-92	101	84	38	77	1455	149	102	70	147	115	93	99	91	122	165	133	158	93	106
1992-93	116	104	55	81	704	158	73	64	113	136	64	84	71	90	120	124	139	121	117
1993-94	124	66	50	72	1193	130	66	75	91	109	66	92	70	147	105	127	96	90	63
1994-95	146	147	53	86	390	144	81	81	104	144	69	102	47	119	101	127	103	112	101
1995-96	155	130	59	90	565	111	81	97	93	105	74	125	51	122	143	151	105	126	140
1996-97	111	105	52	76	985	150	84	90	104	107	80	88	70	110	110	121	83	94	98
1997-98	105	156	78	90	300	133	95	104	123	74	90	86	72	87	101	108	70	115	101
1998-99	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100

**Table A8.** UK annual index values for waders

Year	OC	AV	RP	GV	KN	SS	DN	BW	BA	CU	RK	TT
1970-71	69	4	91	18	128	64	85	19	101	69	70	87
1971-72	75	5	94	18	163	97	102	23	98	81	99	110
1972-73	75	4	116	21	133	87	117	36	96	73	95	98
1973-74	79	5	138	30	145	107	140	27	119	84	99	105
1974-75	81	4	129	33	103	123	132	37	93	98	108	99
1975-76	101	3	141	33	105	110	134	31	99	92	107	117
1976-77	100	1	131	37	107	79	138	31	124	82	98	123
1977-78	93	5	138	26	80	93	109	31	109	70	88	118
1978-79	90	3	115	35	96	122	109	31	120	70	91	119
1979-80	96	4	118	43	99	131	107	32	127	90	92	118
1980-81	102	3	114	55	108	97	105	32	102	77	85	107
1981-82	101	8	98	42	96	81	95	27	136	78	76	102
1982-83	92	8	112	45	101	92	89	38	113	80	74	100
1983-84	98	6	113	50	96	86	97	39	100	76	81	124
1984-85	99	14	122	59	96	80	87	35	120	81	85	125
1985-86	112	16	126	64	125	93	93	49	125	87	92	148
1986-87	106	14	119	65	102	87	80	37	126	95	90	134
1987-88	118	16	132	86	118	99	84	46	107	101	116	160
1988-89	113	24	162	96	118	96	101	63	103	94	112	133
1989-90	112	29	150	84	112	78	103	74	103	98	110	140
1990-91	120	34	134	96	113	86	124	55	123	91	94	129
1991-92	108	39	123	101	118	104	117	65	99	108	103	141
1992-93	105	56	127	94	125	85	99	65	101	111	96	123
1993-94	97	68	127	108	104	65	101	83	88	97	95	121
1994-95	103	84	130	128	112	95	112	92	91	122	111	125
1995-96	93	71	132	113	103	74	103	89	114	88	88	106
1996-97	120	73	115	130	121	133	129	102	160	93	98	107
1997-98	100	112	120	102	107	87	104	101	97	118	104	100
1998-99	100	100	100	100	100	100	100	100	100	100	100	100

Wader species codes

OC	Oystercatcher	DN	Dunlin
AV	Avocet	BW	Black-tailed Godwit
RP	Ringed Plover	BA	Bar-tailed Godwit
GV	Grey Plover	CU	Curlew
KN	Knot	RK	Redshank
SS	Sanderling	TT	Turnstone

**Table A9.** Great Britain monthly index values for wildfowl.

	Sep	Oct	Nov	Dec	Jan	Feb	Mar
BS	0.0	4.0	16.0	73.9	100.0	73.8	4.7
CA	89.4	100.0	83.9	83.9	78.1	72.4	61.9
CO	90.8	96.6	100.0	94.7	82.1	59.0	36.6
DB	0.2	82.2	93.0	100.0	96.7	92.3	44.9
EW	0.3	2.0	6.4	64.2	100.0	98.7	9.9
GA	49.0	69.7	77.1	100.0	82.8	67.5	30.6
GD	22.1	26.4	43.2	100.0	94.6	98.4	41.9
GG	100.0	92.3	86.9	77.2	58.5	63.7	58.4
GN	1.4	3.1	51.9	86.7	93.2	100.0	80.0
LG	100.0	93.2	81.0	83.0	66.2	64.4	58.2
MA	93.0	91.4	94.5	100.0	87.5	56.3	34.8
PO	31.7	41.0	66.7	100.0	92.2	63.4	13.1
PT	17.4	60.1	80.9	72.2	100.0	38.3	6.8
SU	64.1	83.7	100.0	89.6	99.4	84.1	67.7
SV	82.7	99.4	84.9	88.4	100.0	87.6	63.9
T.	37.6	68.7	78.8	100.0	90.3	52.9	28.0
TU	93.9	83.5	89.6	100.0	94.1	78.1	63.6
WN	6.5	43.3	58.6	100.0	95.0	66.7	27.1
WS	1.1	20.3	89.7	81.7	100.0	71.5	78.3

**Table A11.** Northern Ireland monthly index values for wildfowl.

	Sep	Oct	Nov	Dec	Jan	Feb	Mar
BS	0.0	1.6	1.6	35.5	100.0	56.5	6.5
CA	80.4	100.0	31.6	68.7	37.9	40.9	29.6
CO	67.5	95.1	74.3	100.0	70.8	43.1	24.4
GA	100.0	75.5	43.2	52.4	59.8	72.1	96.5
GG	100.0	63.9	37.4	38.1	24.2	35.5	64.2
GN	0.5	4.9	46.5	89.2	100.0	73.5	80.7
LG	76.8	100.0	42.7	93.6	78.1	41.4	19.5
MA	100.0	86.0	56.4	56.3	46.4	31.2	18.9
I3.3	85.0	100.0	86.6	25.9	15.2	19.8	13.3
PO	0.8	7.1	25.1	44.4	100.0	16.1	2.6
PT	26.0	47.7	81.5	100.0	63.8	55.8	5.4
SP	3.9	4.7	20.1	46.5	79.1	100.0	53.1
SU	5.4	28.0	54.0	100.0	78.9	68.8	40.2
SV	21.2	59.6	97.4	100.0	71.2	78.8	34.6
T.	29.7	53.1	36.7	100.0	59.4	78.9	29.7
TU	12.5	29.7	56.9	100.0	93.5	44.8	36.2
WN	20.8	100.0	38.4	37.2	27.4	34.2	16.9
WS	0.8	18.2	99.3	92.1	48.8	100.0	81.4

**APPENDIX 4. TOTAL NUMBERS OF WATERBIRDS RECORDED BY WeBS IN ENGLAND, 1998-99**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sectors	1,047	966	877	922	1,018	1,446	1,754	1,906	1,868	1,827	1,855	1,768
Sites	613	601	572	575	588	824	962	1,008	966	967	973	939
Red-t. Diver	59	0	0	4	0	21	65	81	199	535	722	116
Black-t. Diver	1	0	0	0	0	0	0	3	9	14	3	4
Great N. Diver	3	4	2	2	0	0	6	28	47	59	17	9
Unidentified diver	0	0	0	0	0	0	0	1	11	2	1	0
Pied-billed Grebe	0	0	0	0	0	0	0	0	0	0	1	1
Little Grebe	785	665	561	784	1,504	2,556	2,910	2,748	2,856	2,393	2,140	1,881
Great C. Grebe	3,218	2,778	2,633	3,178	5,037	7,277	8,022	8,043	7,154	6,298	6,233	5,722
Red-n. Grebe	6	3	1	2	2	3	4	17	14	22	15	9
Slavonian Grebe	5	0	0	0	1	2	12	42	84	76	32	19
Black-n. Grebe	12	23	9	17	19	21	26	29	15	17	26	19
Unidentified grebe	0	0	0	0	0	0	0	0	0	0	0	1
Cormorant	4,333	3,333	3,104	3,774	7,120	9,473	12,020	10,657	10,845	10,201	9,193	8,408
Bittern	5	8	1	4	2	4	8	8	27	22	14	15
Squacco Heron	0	0	1	0	1	0	0	0	0	0	0	0
Cattle Egret	1	0	0	0	0	0	0	0	0	0	0	0
Little Egret	40	8	21	88	479	756	639	490	433	350	389	433
Grey Heron	1,743	1,664	1,545	1,623	2,467	2,880	2,743	2,496	2,454	2,071	2,335	2,135
White Stork	1	2	2	1	1	0	4	2	4	4	3	3
Sacred Ibis	0	0	0	0	0	0	0	0	1	1	0	1
Spoonbill	5	9	9	9	4	5	9	6	8	6	4	4
Lesser Flamingo	0	0	0	0	0	0	1	1	1	0	0	0
Greater Flamingo	1	1	0	0	0	0	0	0	0	0	0	0
Fulv. Whist. Duck	0	1	0	0	0	0	0	2	0	0	0	0
Mute Swan	6,798	6,700	6,386	7,792	9,467	11,770	14,354	14,787	14,491	12,449	11,873	10,968
Black Swan	10	10	15	15	25	34	27	17	22	20	13	21
Bewick's Swan	2	1	0	0	0	4	37	179	842	1,442	1,716	48
Whooper Swan	19	14	10	10	11	12	90	626	907	1,020	1,465	374
hybrid Cygnus	0	0	0	1	0	0	0	1	0	0	0	0
Swan Goose	0	0	0	0	0	2	0	2	1	1	1	0
Bean Goose	1	0	0	0	0	0	20	115	179	202	43	1
Pink-f. Goose	3,012	37	20	12	18	20	40,116	102,343	43,917	25,389	27,660	7,805
White-f. Goose	0	0	0	0	0	0	3	0	46	6	11	0
Euro. Whitefront	3	1	1	1	2	14	56	170	1,846	4,139	3,217	253
Greenl. Whitefront	0	0	0	0	0	62	1	3	5	6	9	7
Lesser W-f. Goose	0	0	0	1	0	3	3	1	1	1	0	1
Greylag (Iceland)	106	133	404	645	126	131	929	1,834	1,812	734	1,540	1,764
Greylag (natur.)	4,358	4,925	6,432	8,300	12,068	16,699	17,929	18,148	17,600	15,943	11,112	9,361
Bar-headed Goose	8	6	17	10	11	13	7	16	18	9	12	13
Snow Goose	21	15	15	19	10	20	39	25	33	30	34	37
Ross's Goose	0	0	1	0	0	2	1	1	0	0	0	1
Emperor Goose	0	0	0	0	2	0	3	4	3	5	5	5
Canada Goose	10,396	10,375	17,033	19,886	27,327	37,052	39,910	39,587	40,138	38,856	27,592	22,171
Barnacle (natur.)	79	38	19	150	74	190	196	751	931	497	750	368
Barnacle (Sva.)	11,543	3,012	27	11	0	33	1,054	8,297	2	72	6,755	3,568
Brent Goose	0	0	0	0	0	0	0	0	1	0	0	0
Dark-b. Brent	14,951	13,010	33	39	28	77	55,201	67,300	70,261	73,669	66,214	27,714
Black Brant	0	0	0	0	0	0	0	0	1	1	1	1
Light-b. Brent (Sva)	3	0	2	1	1	286	1,663	2,818	2,487	1,971	267	18
Light-b. Brent (Can)	0	0	0	0	0	1	0	0	2	4	0	1
Red-b. Goose	0	1	0	1	1	1	0	1	1	0	6	1
Egyptian Goose	72	142	259	304	304	314	195	155	137	144	108	88
feral/hybrid goose	62	51	38	59	68	111	435	413	503	415	259	282
unidentified goose	0	0	0	0	0	0	0	0	0	0	1,120	0
Ruddy Shelduck	4	4	3	5	3	3	6	0	3	1	5	1
Australian Shelduck	0	0	0	0	0	0	2	1	0	0	0	0
Paradise Shelduck	0	1	0	0	0	0	0	0	0	0	0	0
Shelduck	18,867	13,508	12,885	11,765	14,325	23,692	37,244	48,077	45,845	52,639	40,737	32,403

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
hybrid Shelduck	0	0	0	0	0	0	0	0	0	0	1	0
Muscovy Duck	24	15	21	21	15	22	42	52	53	39	39	38
Wood Duck	0	0	0	0	0	0	1	2	1	2	1	1
Mandarin	81	95	112	131	66	198	282	256	185	161	88	115
Crested Duck	0	0	0	0	0	0	0	1	1	1	1	0
Wigeon	1,316	184	129	99	253	13,741	101,090	163,540	295,120	284,356	206,262	81,758
American Wigeon	1	1	1	0	1	3	1	1	0	0	0	0
Chloe Wigeon	0	0	1	0	0	1	14	13	10	1	12	8
Gadwall	1,770	1,322	1,996	1,319	2,497	6,223	10,090	11,269	14,856	12,088	10,167	4,795
Baikal Teal	0	0	0	0	0	0	0	0	1	0	0	0
Teal	2,658	328	525	662	3,678	34,125	72,694	82,706	106,941	111,456	61,488	29,974
Am. Green-w. Teal	0	0	0	0	0	0	1	1	2	3	2	2
Speckled Teal	0	0	0	0	2	3	5	2	2	0	1	1
Mallard	19,382	20,453	25,975	32,438	51,988	85,090	96,343	106,808	109,248	94,114	62,088	38,770
Chestnut Teal	0	0	0	0	0	1	1	0	0	1	0	0
Pintail	166	20	9	11	29	4,704	13,558	19,418	15,095	19,816	10,661	3,429
Yellow-billed Pintail	0	0	0	1	0	0	0	0	0	0	0	0
Bahama Pintail	0	0	1	0	0	0	0	0	0	0	0	0
Red-billed Teal	0	0	0	0	0	0	0	0	0	0	0	1
Cape Teal	0	0	0	0	0	0	0	0	0	0	0	0
Silver Teal	0	0	0	1	0	0	0	0	0	0	0	0
Garganey	21	60	17	13	46	32	10	3	1	1	0	5
Blue-winged Teal	0	0	1	0	0	0	0	0	0	1	0	1
Cinnamon Teal	0	0	0	0	0	0	0	1	0	0	0	0
Shoveler	1,078	894	534	668	2,139	5,608	7,742	6,570	6,228	6,633	7,047	5,211
Ringed Teal	0	0	4	0	0	0	0	3	0	4	1	1
Maned Duck	1	1	1	1	1	1	1	1	0	1	1	0
Red-c. Pochard	4	3	0	8	16	27	74	84	65	28	50	54
Pochard	761	642	584	1,203	4,191	7,805	11,525	22,514	36,629	34,571	27,441	4,733
Ring-necked Duck	1	0	1	0	0	1	2	2	3	3	4	6
Ferruginous Duck	0	0	0	0	0	1	1	0	4	3	1	0
Tufted Duck	12,291	6,800	6,084	12,768	23,948	33,599	34,037	40,522	45,630	42,314	38,128	30,302
Scaup	569	3	1	6	3	28	8	118	351	233	273	505
Lesser Scaup	0	0	0	0	0	0	0	0	0	2	3	2
Eider	6,180	5,266	4,135	4,466	8,574	7,997	12,099	5,932	5,022	5,166	7,997	4,292
Long-tailed Duck	9	0	0	0	0	1	3	25	23	61	9	12
Common Scoter	593	401	260	339	139	504	171	2,285	1,810	2,425	1,082	1,943
Velvet Scoter	1	0	1	1	1	3	9	16	21	11	4	0
Bufflehead	0	0	0	0	0	0	0	0	1	1	1	0
Goldeneye	510	20	8	12	15	22	169	3,712	6,749	7,145	7,714	5,617
Hooded Merganser	1	0	0	0	0	0	0	0	0	0	0	0
Smew	0	0	0	0	0	0	1	4	276	331	329	48
Red-b. Merganser	427	149	177	341	187	500	660	1,834	2,425	1,866	1,674	2,193
Goosander	242	128	75	160	173	204	356	869	2,084	2,267	2,611	1,020
Ruddy Duck	738	577	445	490	781	1,548	2,609	2,713	3,390	2,762	3,331	2,025
feral/hybrid Duck	70	71	73	95	81	106	137	169	180	145	145	132
hybrid Anas	0	0	0	0	0	1	1	0	0	0	0	0
hybrid Aythya	1	0	1	0	1	1	5	1	2	3	4	3
unidentified duck	0	0	0	0	0	0	0	3	6	1	0	0
Water Rail	49	20	20	77	35	78	182	320	453	293	272	279
Spotted Crake	0	3	0	0	0	3	0	0	0	0	0	0
Moorhen	3,752	3,211	2,636	3,400	5,718	9,164	10,093	10,705	10,608	9,794	9,829	9,051
Coot	14,126	11,255	13,338	22,858	38,563	68,277	87,682	96,835	101,706	85,247	62,694	38,321
Crane	0	0	0	0	0	0	0	0	0	0	0	2
Oystercatcher	42,866	25,547	22,250	31,602	100,631	157,872	130,800	151,304	145,242	144,315	115,469	78,023
Black-winged Stilt	1	1	1	1	1	0	1	1	1	1	1	1
Avocet	1,260	956	916	1,326	811	883	1,834	2,517	2,316	2,118	2,107	1,738
Little R. Plover	193	255	223	229	110	37	0	0	6	0	0	26
Ringed Plover	6,339	9,574	1,067	1,468	10,122	17,967	8,691	5,389	5,338	5,362	4,679	3,010
Semipal. Plover	1	0	0	0	0	0	0	0	0	0	0	0
Kentish Plover	0	0	0	0	2	0	0	0	0	0	0	0
Dotterel	0	12	0	0	0	0	0	0	0	0	0	0
Golden Plover	3,362	25	19	3,136	12,922	23,617	55,511	100,671	96,458	144,214	72,424	19,548

	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>
Grey Plover	28,256	25,800	1,382	2,067	10,006	30,098	33,501	30,019	37,127	44,247	31,699	39,863
Sociable Plover	0	0	0	0	0	0	1	0	0	0	0	0
Lapwing	4,873	4,651	6,529	15,131	41,479	59,140	103,233	158,620	223,294	393,868	163,837	15,928
Knot	86,055	21,992	6,358	26,013	56,601	104,971	175,502	178,711	208,751	188,142	175,110	121,631
Sanderling	6,173	10,642	994	3,785	15,813	8,300	6,169	4,987	6,168	6,136	6,499	6,099
Little Stint	5	6	0	5	11	870	166	39	24	14	16	8
Temminck's Stint	0	1	0	0	0	1	1	0	0	0	0	0
Pectoral Sandpiper	0	0	0	0	1	0	1	0	0	0	0	0
Curlew Sandpiper	1	17	4	5	54	935	41	0	2	0	0	17
Purple Sandpiper	301	5	1	3	36	263	447	1,029	361	811	593	665
Dunlin	119,529	83,944	1,544	45,642	84,910	72,488	181,077	313,152	440,926	381,253	279,863	121,181
Ruff	88	22	10	92	230	1,174	758	367	380	360	753	517
Jack Snipe	8	0	0	1	0	1	48	52	66	60	115	61
Snipe	364	115	66	123	655	1,832	2,610	4,147	5,999	5,462	4,369	3,043
Long-b. Dowitcher	0	0	0	0	1	1	2	2	1	2	1	1
Woodcock	1	1	0	0	1	0	5	23	31	22	18	30
Black-t. Godwit	7,413	2,046	1,790	3,906	17,901	11,246	16,277	12,519	12,557	10,812	12,292	12,920
Bar-t. Godwit	2,335	1,527	1,318	3,524	12,650	18,821	20,541	14,303	37,724	33,354	31,938	9,049
Whimbrel	2,221	735	63	833	1,014	280	33	18	2	5	3	3
Curlew	9,653	2,621	6,355	27,257	47,739	64,619	51,260	53,980	42,488	46,029	46,911	39,194
Spotted Redshank	140	6	24	83	129	214	145	41	57	47	160	45
Redshank	18,569	4,222	3,649	13,739	38,828	57,774	60,461	58,806	54,020	49,514	46,486	47,187
Greenshank	345	100	16	711	1,347	2,162	569	202	174	132	153	133
Lesser Yellowlegs	1	1	0	0	0	0	3	0	0	1	1	1
Green Sandpiper	20	2	22	220	561	380	150	120	125	94	101	74
Wood Sandpiper	1	18	0	3	17	29	1	0	0	0	0	0
Common Sand.	399	431	234	686	1,143	706	79	33	30	19	21	20
Turnstone	5,870	1,499	265	1,439	4,783	8,452	9,346	9,303	9,848	9,250	7,487	8,041
Red-n. Phalarope	0	0	0	0	0	1	0	0	0	0	0	0
Mediterranean Gull	18	16	9	26	20	26	53	20	22	21	40	79
Laughing Gull	0	1	0	0	0	0	0	0	0	0	0	0
Little Gull	145	30	34	64	149	50	9	2	0	9	3	1
Sabine's Gull	0	0	0	0	1	1	0	0	0	0	0	0
Black-headed Gull	35,312	27,391	23,725	42,161	119,341	145,487	145,395	182,358	180,263	191,728	166,063	84,018
Ring-billed Gull	1	0	0	0	0	1	1	2	1	1	4	1
Common Gull	4,467	2,317	840	1,542	8,167	13,916	28,504	61,999	50,716	45,460	55,293	19,880
Lesser B-b Gull	39,989	39,496	35,987	42,148	55,331	21,854	12,942	16,955	6,640	6,801	11,054	35,769
Herring Gull	27,497	23,654	26,956	27,840	39,411	26,840	31,005	31,251	45,238	36,791	47,772	34,350
Yellow-legged Gull	0	0	5	23	162	104	110	49	30	5	15	9
W. Yellow-l. Gull	0	0	0	0	0	1	0	0	1	1	3	0
Iceland Gull	1	0	0	0	0	0	0	0	2	1	4	5
Glaucous Gull	1	1	1	1	2	1	1	1	6	4	6	1
Great B-b Gull	1,160	995	1,226	1,605	3,293	4,868	7,718	8,377	7,839	7,512	6,206	1,754
Kittiwake	61	105	59	111	619	822	0	0	6	47	5	195
Unidentified gull	40	0	0	6	200	9,285	11,572	1,666	2,965	2,781	13,570	5,285
Caspian Tern	0	0	0	0	1	0	0	0	0	0	0	0
Sandwich Tern	796	650	1,252	3,411	4,909	2,956	30	2	0	0	17	32
Roseate Tern	0	0	1	1	3	1	0	0	0	0	0	0
Common Tern	569	2,033	2,449	3,512	4,747	3,064	19	6	0	0	0	0
Arctic Tern	26	146	111	201	140	72	2	1	0	0	0	0
Forster's Tern	0	0	0	0	0	0	0	0	1	0	1	0
Little Tern	113	539	457	455	633	333	0	0	0	0	0	0
Black Tern	0	9	0	0	1	332	0	0	0	0	0	0
Unidentified tern	52	4	9	8	6	0	0	0	0	0	0	0
Kingfisher	71	82	87	134	164	290	293	296	268	180	153	160
<b>TOTALS</b>												
WATERFOWL	493,999	309,179	163,755	323,132	684,1581,038,3001,556,9532,009,9912,360,8952,440,7311,748,216	928,762						
GULLS	108,692	94,006	88,842	115,527	226,696	223,256	237,310	302,680	293,729	291,162	300,038	181,347
TERNS	1,556	3,381	4,279	7,588	10,440	6,758	51	9	1	0	18	32

**APPENDIX 5. TOTAL NUMBERS OF WATERBIRDS RECORDED BY WeBS IN SCOTLAND, 1998-99**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar		
Sectors	247	229	226	216	235	514	670	642	664	654	657	650		
Sites	199	192	194	184	195	430	550	547	541	540	539	544		
Red-t. Diver	165	63	6	50	44	110	101	194	203	154	150	146		
Black-t. Diver	5	1	1	1	0	1	3	6	24	4	9	85		
Great N. Diver	40	7	1	0	0	0	11	19	31	31	20	83		
Unidentified diver	0	0	0	0	0	0	0	0	0	0	0	13		
Little Grebe	103	83	78	112	190	546	577	300	363	306	274	252		
Great C. Grebe	258	182	199	308	481	565	357	321	337	280	216	353		
Red-n. Grebe	10	0	0	9	41	25	10	23	23	5	12	16		
Slavonian Grebe	56	6	0	0	1	20	57	77	113	88	51	74		
Black-n. Grebe	1	2	2	5	1	0	0	1	0	0	0	3		
Cormorant	572	396	383	595	721	2,147	1,926	1,908	1,891	1,691	1,536	1,219		
Great White Pelican	0	0	0	0	0	0	1	0	1	1	0	0		
Little Egret	0	0	0	0	0	0	0	0	0	0	0	0		
Grey Heron	194	138	181	280	251	645	800	552	619	581	458	386		
White Stork	0	0	0	0	0	1	0	0	0	0	0	0		
Spoonbill	0	3	0	0	0	0	0	0	0	0	0	0		
Fulv. Whist. Duck	0	0	1	0	0	0	0	0	0	0	0	0		
Mute Swan	1,342	1,267	1,501	1,402	1,429	2,922	3,833	3,439	3,914	3,518	3,262	2,576		
Black Swan	1	0	7	6	8	8	6	1	1	5	2	0		
Whooper Swan	25	12	10	6	11	12	553	1,840	1,572	1,737	1,170	1,391		
Bean Goose	0	0	0	0	0	0	0	119	6	132	10	1		
Pink-f. Goose	8,700	38	9	4	17	95	189,292	119,660	49,904	23,587	39,206	44,981		
Euro. Whitefront	0	0	0	0	0	0	1	0	0	0	0	0		
Greenl. Whitefront	1	0	1	0	1	1	469	20,239	388	1,032	564	21,997		
Lesser W-f. Goose	0	0	0	0	0	0	0	1	0	0	0	0		
Greylag (Iceland)	671	177	507	540	314	719	78,619	79,129	24,827	25,107	15,622	10,975		
Greylag (NW Scot.)	189	179	357	559	5,962	299	386	213	562	258	5,190	193		
Snow Goose	4	2	4	2	2	1	4	3	3	4	3	3		
Ross's Goose	0	0	0	0	0	1	1	0	1	0	0	0		
Canada Goose	116	185	246	434	379	1,104	798	792	558	387	438	348		
Barnacle (Gre)	30	20	19	18	19	1	36,798	274	3,517	1,028	1,779	39,430		
Barnacle (Sva)	4,883	0	1	0	2	9	25,787							
Dark-b. Brent	1	0	0	0	0	0	0	0	0	0	0	0		
Light-b. Brent (Sva)	0	0	0	0	0	0	17	1	0	5	0	0		
Light-b. Brent (Can)	4	0	0	0	0	0	108	15	21	2	0	0		
Egyptian Goose	0	0	2	1	0	1	2	2	1	1	1	1		
feral/hybrid goose	3	6	3	1	0	5	102	92	77	75	93	55		
Shelduck	2,167	1,787	2,410	1,527	5,503	8,444	5,572	6,640	6,349	5,724	4,675	3,625		
Magellan Goose	0	0	0	0	0	0	1	1	1	1	1	1		
Muscovy Duck	1	0	0	0	0	6	7	15	4	7	4	4		
Mandarin	0	0	0	1	1	3	2	1	0	2	2	0		
Wigeon	937	198	124	110	57	2,963	53,352	30,217	58,352	52,430	34,398	15,496		
American Wigeon	0	0	0	0	0	0	1	2	3	3	3	1		
Chiloe Wigeon	2	2	2	2	2	2	0	0	0	0	0	0		
Gadwall	49	68	68	31	55	107	115	73	79	48	44	39		
Teal	542	49	113	95	284	4,578	13,863	14,358	18,676	18,722	11,085	5,302		
Am. Green-w. Teal	1	0	0	0	0	0	0	1	1	2	0	1		
Mailard	2,204	2,805	3,922	4,329	6,081	19,639	27,905	26,348	35,715	30,811	19,792	8,772		
Pintail	94	0	1	4	0	272	2,712	1,576	3,258	2,560	2,068	330		
Garganey	2	4	0	0	0	0	0	0	0	0	0	0		
Blue-winged Teal	0	1	0	0	0	0	0	0	0	0	0	0		
Shoveler	47	34	21	9	124	258	504	249	293	292	164	171		
Ringed Teal	0	0	0	0	0	1	0	0	0	0	0	0		
Red-c. Pochard	0	0	0	0	0	1	0	0	0	0	0	0		
Pochard	32	30	55	52	161	286	1,516	2,627	2,441	1,981	1,700	238		
Tufted Duck	2,131	908	1,143	1,989	2,819	4,224	5,551	6,424	7,429	7,167	6,979	5,729		
Scaup	759	21	0	87	0	17	1,389	3,495	1,894	2,398	2,600	1,244		
Lesser Scaup	0	0	0	0	0	0	0	1	1	0	0	0		
Eider	10,419	10,617	11,506	18,512	10,815	16,883	11,784	18,711	11,690	11,634	9,780	11,425		
King Eider	0	0	0	1	0	0	0	0	0	0	0	0		
Long-tailed Duck	273	66	0	0	0	0	290	663	2,161	869	1,915	1,001		

	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>
Common Scoter	1,469	168	525	433	552	195	1,398	2,503	1,989	1,119	2,248	1,877
Surf Scoter	1	0	0	0	0	0	2	2	4	4	4	5
Velvet Scoter	417	33	47	18	8	67	692	492	1,269	387	475	384
Unid. scoter sp.	0	0	0	0	0	0	0	0	200	300	77	0
Goldeneye	932	67	46	93	55	150	680	4,551	7,123	5,359	8,437	5,879
Smew	2	0	0	0	0	0	0	3	14	19	12	8
Red-b. Merganser	828	431	400	560	810	1,002	1,313	948	1,663	1,311	971	1,429
Goosander	235	319	244	542	616	545	640	694	1,096	936	857	428
Ruddy Duck	95	57	53	61	83	137	138	91	60	37	15	35
feral/hybrid Duck	2	2	6	7	3	4	9	19	25	46	24	17
hybrid Aythya	0	0	0	0	0	0	0	0	0	1	1	1
unidentified duck	0	0	0	0	0	0	0	0	0	0	50	0
Water Rail	13	4	6	7	2	16	21	12	23	15	6	11
Moorhen	256	242	205	215	320	706	957	982	849	802	834	789
Coot	960	834	970	1,221	1,936	3,618	5,022	5,866	5,677	5,456	4,698	2,898
Oystercatcher	12,405	7,414	7,116	10,695	22,335	66,992	58,074	53,957	67,492	53,576	55,557	36,281
Ringed Plover	1,867	2,976	653	297	1,367	2,216	2,926	2,887	2,183	2,299	1,460	658
Golden Plover	1,358	10	1	123	1,066	1,604	12,217	16,126	14,348	6,654	3,008	1,768
Grey Plover	1,017	205	58	82	688	873	1,716	1,414	1,799	1,668	1,287	1,389
Lapwing	847	587	971	3,600	7,916	25,200	18,785	27,867	23,936	15,956	10,861	3,354
Knot	485	192	156	114	659	1,748	4,242	8,607	22,151	23,338	19,777	3,106
Sanderling	205	135	7	77	50	344	298	378	576	322	246	233
Little Stint	0	0	3	0	1	176	4	0	1	0	0	0
Curlew Sandpiper	0	1	0	0	4	136	0	0	0	0	0	0
Purple Sandpiper	250	4	0	0	5	13	28	236	577	508	525	186
Dunlin	3,820	2,733	242	750	3,524	4,576	13,083	25,304	40,988	32,881	31,213	2,585
Ruff	4	3	0	1	47	96	35	5	5	1	3	4
Jack Snipe	0	0	0	0	0	0	7	41	26	13	11	8
Snipe	37	16	11	14	111	241	759	758	649	501	357	348
Long-b. Dowitcher	0	0	0	0	0	0	1	0	0	0	0	0
Woodcock	0	0	0	0	0	0	0	0	4	4	0	4
Black-t. Godwit	393	27	67	55	144	366	292	424	340	326	344	182
Bar-t. Godwit	359	266	177	452	871	1,367	2,569	2,849	6,999	8,347	6,363	1,674
Whimbrel	22	94	3	5	45	14	1	0	0	0	0	0
Curlew	1,767	716	1,225	6,155	8,654	13,221	17,745	16,634	19,443	20,458	17,784	9,986
Spotted Redshank	2	0	0	1	0	2	1	0	1	1	1	0
Redshank	5,641	707	656	2,170	7,032	13,075	17,753	17,000	22,218	18,019	15,436	9,923
Greenshank	9	2	7	11	51	71	72	37	47	29	23	20
Green Sandpiper	1	0	0	2	10	5	2	1	2	0	3	3
Wood Sandpiper	0	0	0	0	0	1	0	0	0	0	0	0
Common Sand.	62	78	114	134	38	72	0	0	0	0	2	3
Turnstone	1,308	185	151	194	1,001	1,395	2,443	2,487	2,659	2,670	2,411	1,499
Mediterranean Gull	0	0	0	0	0	0	0	0	1	1	0	0
Little Gull	0	6	1	1	1	0	0	0	0	0	3	0
Black-headed Gull	5,009	3,888	1,923	4,210	5,009	16,128	18,888	19,237	20,984	19,669	18,357	11,601
Common Gull	1,196	1,029	1,286	1,071	2,726	10,123	14,058	20,203	17,651	16,758	15,178	16,012
Lesser B-b Gull	1,038	955	1,406	1,733	1,800	2,179	1,534	502	231	229	145	895
Herring Gull	6,586	6,198	7,115	7,236	9,369	14,226	7,424	10,260	11,479	8,894	9,597	12,386
Iceland Gull	1	0	0	0	0	0	0	0	1	1	2	3
Glaucous Gull	1	0	0	0	0	0	0	1	2	2	2	2
Great B-b Gull	382	251	338	439	1,110	1,926	1,278	1,395	1,283	881	541	874
Kittiwake	0	39	27	23	74	633	1	2	0	1	0	0
Unidentified gull	0	0	6	50	29	1,490	2,721	857	855	741	1,047	530
Sandwich Tern	60	1,258	1,173	1,040	1,453	1,614	5	0	0	0	0	3
Roseate Tern	0	2	0	0	0	0	0	0	0	0	0	0
Common Tern	13	390	246	412	266	114	0	0	0	0	0	0
Arctic Tern	20	446	190	328	74	50	1	0	0	0	0	0
Little Tern	12	17	8	18	1	1	0	0	0	0	0	0
Black Tern	0	1	0	0	0	1	0	0	0	0	0	0
Unidentified tern	0	0	0	1	0	0	0	0	0	0	0	0
Kingfisher	2	3	7	2	11	24	16	11	15	7	10	3
<b>TOTALS</b>												
WATERFOWL	74,103	37,865	37,004	59,171	95,780	207,274	629,017	554,526	509,863	416,476	373,179	287,168
GULLS	14,213	12,366	12,102	14,763	20,118	46,705	45,904	52,457	52,487	47,177	44,872	42,303
TERNS	105	2,114	1,617	1,799	1,794	1,780	6	0	0	0	0	3

**APPENDIX 6. TOTAL NUMBERS OF WATERBIRDS RECORDED BY WeBS IN WALES, 1998-99**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sectors	96	77	72	79	79	143	192	199	199	168	188	159
Sites	48	42	39	45	41	78	104	117	112	95	110	89
Red-t. Diver	6	0	0	0	0	0	9	5	14	271	79	0
Black-t. Diver	0	0	0	0	0	0	0	1	2	1	0	0
Great N. Diver	0	1	0	0	0	0	0	6	11	5	2	1
Pied-billed Grebe	0	0	0	0	0	0	0	0	0	0	1	1
Little Grebe	27	19	18	51	59	138	284	244	279	223	207	138
Great C. Grebe	107	78	52	110	105	95	104	206	337	171	192	164
Red-n. Grebe	0	0	0	0	0	0	0	0	1	0	0	0
Slavonian Grebe	0	0	0	0	0	1	0	0	4	4	2	2
Black-n. Grebe	0	0	0	0	0	0	0	1	0	0	1	0
Cormorant	298	135	317	275	227	720	529	580	594	416	519	390
Bittern	0	0	0	0	0	0	0	1	2	2	1	1
Little Egret	0	2	0	1	27	29	15	31	58	23	60	46
Grey Heron	54	38	61	65	124	133	138	176	199	88	102	120
Spoonbill	0	0	0	0	4	3	0	0	0	0	0	0
Mute Swan	193	151	211	344	369	586	610	538	442	388	423	363
Black Swan	1	1	1	1	1	1	0	0	0	0	0	0
Bewick's Swan	0	0	0	0	0	0	0	3	24	10	26	0
Whooper Swan	0	0	0	0	0	0	2	26	51	31	38	36
Pink-f. Goose	0	0	0	0	0	0	1	0	0	3	1	7
Greenl. Whitefront	0	0	0	0	0	0	36	0	83	0	127	131
Greylag (natur.)	159	172	94	204	612	100	624	515	696	278	430	237
Bar-headed Goose	0	0	0	0	0	0	0	0	0	0	0	1
Canada Goose	261	308	237	1,257	1,262	1,226	1,834	1,749	1,653	1,291	1,477	1,007
Barnacle (natur.)	0	1	0	0	0	0	36	37	51	38	38	5
Brent Goose	0	0	0	0	0	6	1	0	1	0	1	0
Dark-b. Brent	44	0	0	0	0	0	482	708	818	740	1,045	21
Light-b. Brent (Can)	0	0	0	0	0	1	0	5	25	55	41	17
feral/hybrid goose	5	6	6	5	5	5	2	0	1	1	0	0
unidentified goose	2	0	0	0	0	0	0	0	0	0	0	0
Shelduck	1,606	1,061	857	329	222	517	1,508	3,765	3,737	4,740	4,836	3,411
Muscovy Duck	12	1	3	3	3	1	3	4	6	0	3	3
Mandarin	0	0	0	0	0	10	4	4	4	12	0	0
Wigeon	5	5	11	3	0	1,371	10,423	9,839	16,326	10,352	7,645	1,244
American Wigeon	0	0	0	0	0	0	1	1	0	0	0	0
Gadwall	31	37	14	8	61	44	81	151	276	211	181	95
Teal	82	9	26	4	62	1,477	3,743	6,961	9,448	7,984	5,741	1,751
Mallard	885	965	1,272	1,416	2,435	5,247	6,322	6,941	6,151	3,972	3,594	1,928
Pintail	0	0	0	0	0	23	343	1,480	2,518	4,407	995	153
Garganey	0	4	0	0	0	0	0	0	0	0	0	0
Shoveler	34	32	12	11	67	189	250	682	1,096	1,246	442	176
Red-c. Pochard	1	2	1	0	0	1	0	1	1	0	1	1
Pochard	110	82	28	69	119	194	372	763	1,331	1,272	612	194
Ring-necked Duck	0	1	0	0	0	0	0	0	0	0	0	0
Tufted Duck	344	199	104	451	864	740	1,211	1,334	1,219	1,361	948	865
Scaup	0	0	0	1	1	1	0	2	7	6	2	3
Eider	0	0	24	39	24	0	0	19	1	31	24	46
Long-tailed Duck	0	0	0	0	0	0	0	0	1	0	0	0
Common Scoter	12	0	0	46	0	7	164	679	458	312	68	0
Surf Scoter	0	0	0	0	0	0	0	0	0	2	0	0
Goldeneye	11	0	0	1	0	1	4	222	495	363	426	308
Smew	0	0	0	0	0	0	0	0	4	1	0	1
Red-b. Merganser	74	40	71	12	21	107	78	131	234	92	153	207
Goosander	14	8	0	1	6	17	7	37	74	41	84	41
Ruddy Duck	47	41	22	31	52	161	115	142	191	252	192	98
feral/hybrid Duck	16	8	8	12	14	18	2	3	0	0	2	2
hybrid Aythya	0	0	0	0	0	0	0	0	0	0	0	1
unidentified duck	0	0	0	0	0	0	0	2	0	0	0	0

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Water Rail	3	0	0	1	0	8	27	32	45	30	28	21
Moorhen	184	215	249	234	306	439	542	554	458	454	487	401
Coot	446	366	416	994	2,148	2,718	3,503	2,885	2,843	2,609	1,857	1,360
Oystercatcher	4,690	2,581	2,467	3,065	12,535	32,196	30,497	23,647	28,484	26,906	20,179	9,921
Stone-curlew	0	0	0	0	1	0	0	0	0	0	0	0
Little R. Plover	6	10	6	8	0	0	0	0	0	0	0	0
Ringed Plover	272	182	44	65	634	728	606	589	401	228	419	91
Golden Plover	0	2	0	0	0	0	90	1,791	1,971	1,963	2,261	153
Grey Plover	4	6	0	0	1	276	129	381	1,075	522	530	125
Lapwing	219	242	114	232	644	719	1,382	4,885	10,824	9,434	7,433	309
Knot	1	0	0	0	19	262	45	950	4,076	2,062	1,648	285
Sanderling	7	27	9	0	82	157	245	665	728	960	248	1,441
Little Stint	0	0	0	0	0	17	6	0	1	0	0	0
Curlew Sandpiper	0	4	0	0	1	49	2	0	0	0	0	0
Purple Sandpiper	0	0	0	0	0	0	1	1	2	16	11	20
Dunlin	489	805	27	54	1,066	2,086	2,080	15,913	25,255	32,495	27,608	1,850
Ruff	0	0	0	0	0	10	6	0	1	0	0	0
Jack Snipe	0	0	0	0	0	0	2	1	13	11	10	1
Snipe	3	4	0	0	24	46	141	368	1,120	573	762	183
Woodcock	0	0	0	0	0	0	0	7	14	2	1	0
Black-t. Godwit	235	173	149	141	292	301	462	1,502	596	439	81	59
Bar-t. Godwit	1	12	4	1	4	148	202	241	411	567	246	226
Whimbrel	479	108	2	32	90	39	20	10	0	0	1	0
Curlew	549	340	522	2,926	5,332	7,898	6,643	7,582	7,662	7,323	8,087	4,416
Spotted Redshank	2	14	0	7	10	22	31	9	6	7	10	4
Redshank	466	52	81	1,186	2,249	4,974	6,285	5,668	3,965	4,487	4,399	3,292
Greenshank	3	0	1	12	55	152	63	40	41	32	39	33
Green Sandpiper	0	0	0	1	3	17	5	5	4	1	3	6
Common Sand.	64	12	11	44	53	48	12	1	8	2	4	1
Turnstone	129	19	15	14	115	210	527	556	538	486	554	392
Mediterranean Gull	0	2	0	5	12	7	13	5	1	3	10	2
Little Gull	0	0	0	0	0	2	0	0	0	1	0	0
Black-headed Gull	992	598	1,006	4,808	10,367	17,341	12,357	9,412	10,730	18,987	11,654	2,575
Ring-billed Gull	0	0	1	0	0	0	0	0	0	1	1	0
Common Gull	382	58	34	290	1,046	1,184	1,276	2,044	1,348	1,020	4,436	1,130
Lesser B-b Gull	299	7,347	629	720	3,006	3,072	1,579	1,390	383	631	803	2,918
Herring Gull	1,481	2,118	1,802	2,277	2,402	3,676	6,268	4,629	3,188	5,124	2,626	2,469
Yellow-legged Gull	0	0	0	1	1	1	1	1	1	1	1	0
Iceland Gull	1	0	0	0	0	0	0	0	0	0	0	0
Glaucous Gull	0	0	0	0	0	0	0	0	0	0	1	0
Great B-b Gull	74	50	78	166	292	377	336	434	184	326	152	353
Kittiwake	0	0	0	0	0	0	0	0	0	6	70	0
Unidentified gull	0	0	0	0	0	0	0	43	0	0	0	0
Sandwich Tern	274	37	5	351	568	321	0	0	0	0	0	0
Common Tern	0	10	2	14	121	52	0	5	0	0	0	0
Arctic Tern	0	0	0	0	5	1	0	0	0	0	0	19
Little Tern	24	80	100	150	0	4	0	0	0	0	0	0
Black Tern	0	0	0	0	0	7	0	0	0	0	0	0
White-w. Black Tern	0	0	0	0	0	1	0	0	0	0	0	0
Kingfisher	0	1	1	1	5	15	28	19	22	8	9	10
TOTALS												
WATERFOWL	12,693	8,581	7,567	13,767	32,410	66,690	82,892	106,278	139,466	132,305	107,668	37,806
GULLS	3,229	10,173	3,550	8,267	17,126	25,660	21,830	17,958	15,835	26,100	19,754	9,447
TERNS	298	127	107	515	694	386	0	5	0	0	0	19

**APPENDIX 7. TOTAL NUMBERS OF WATERBIRDS RECORDED BY WeBS IN THE ISLE OF MAN, 1998-99**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sectors	/	/	/	/	/	/	/	/	0	/	/	0
Sites	/	/	/	/	/	/	/	/	0	/	/	0
Little Grebe	0	0	0	0	1	0	0	0	0	0	0	0
Cormorant	0	0	1	0	0	3	0	1	0	2	1	0
Grey Heron	2	2	2	6	6	1	2	0	0	1	4	0
Mute Swan	0	0	1	0	11	7	0	0	0	0	0	0
feral/hybrid goose	0	0	0	0	0	0	1	0	0	0	0	0
Shelduck	22	28	18	14	0	0	0	6	0	3	11	0
Wigeon	0	0	0	0	0	13	130	46	0	53	76	0
Teal	0	0	0	0	3	0	0	0	0	0	0	0
Mallard	4	14	5	0	44	14	8	8	0	19	8	0
Eider	6	6	0	0	0	0	0	0	0	0	0	0
Goldeneye	0	0	0	0	0	0	0	0	0	4	3	0
Oystercatcher	38	63	51	73	68	33	21	32	0	45	69	0
Ringed Plover	1	29	3	5	0	0	0	16	0	1	29	0
Grey Plover	0	0	0	0	0	0	0	1	0	2	0	0
Lapwing	0	0	0	0	0	0	0	0	0	0	50	0
Dunlin	0	4	0	0	0	0	0	11	0	0	1	0
Black-t. Godwit	0	0	0	0	0	3	0	0	0	0	0	0
Bar-t. Godwit	0	0	0	0	0	1	0	0	0	0	0	0
Whimbrel	0	4	0	0	1	0	0	0	0	0	0	0
Curlew	5	14	10	58	178	8	39	9	0	7	63	0
Redshank	0	0	1	0	1	0	1	5	0	17	11	0
Common Sand.	0	0	0	0	1	0	0	0	0	0	0	0
Turnstone	0	0	0	0	0	0	3	0	0	0	4	0
Black-headed Gull	0	1	0	23	95	68	52	34	0	99	79	0
Common Gull	0	0	0	0	0	0	0	0	0	1	0	0
Lesser B-b Gull	0	1	0	2	1	0	0	1	0	0	1	0
Herring Gull	70	38	37	55	600	560	500	225	0	172	71	0
Great B-b Gull	11	6	4	7	13	18	37	25	0	8	24	0
Sandwich Tern	0	1	0	0	0	0	0	0	0	0	0	0
TOTALS												
WATERFOWL	78	164	92	156	314	83	205	135	0	154	330	0
GULLS	81	46	41	87	709	646	589	285	0	280	175	0
TERNS	0	1	0	0	0	0	0	0	0	0	0	0

**APPENDIX 8. TOTAL NUMBERS OF WATERBIRDS RECORDED BY WeBS IN THE CHANNEL ISLANDS, 1998-99**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sectors	/	/	/	/	/	/	9	7	20	23	23	9
Sites	/	/	/	/	/	/	9	8	10	10	10	9
Black-t. Diver	0	0	0	0	0	0	0	1	0	0	0	0
Little Grebe	0	0	0	0	0	0	11	10	8	8	2	4
Great C. Grebe	0	0	0	0	0	0	0	2	6	10	13	0
Slavonian Grebe	0	0	0	0	0	0	1	1	1	1	1	0
Cormorant	10	4	2	5	7	15	9	31	9	23	8	6
Little Egret	0	0	0	1	12	3	129	122	127	87	74	13
Grey Heron	0	0	1	1	11	16	58	36	34	31	23	4
Mute Swan	0	0	0	0	0	0	1	1	1	1	1	0
Brent Goose	0	0	0	0	0	0	0	0	12	0	0	0
Dark-b. Brent	0	0	0	0	0	0	0	21	21	101	103	12
Light-b. Brent	0	0	0	0	0	0	0	0	0	0	14	0
feral/hybrid goose	0	0	0	0	0	0	0	0	0	0	10	0
Wigeon	0	0	0	0	0	0	0	0	0	6	1	0
Gadwall	0	0	0	0	0	0	0	0	1	1	0	1
Teal	0	0	0	0	0	0	39	111	98	69	144	72
Mallard	7	11	26	30	37	41	247	181	104	134	154	109
Shoveler	0	0	0	0	0	0	12	14	22	30	18	19
Pochard	0	0	0	0	0	0	3	6	29	23	10	8
Tufted Duck	0	0	0	0	0	0	113	13	50	48	58	48
Red-b. Merganser	0	0	0	0	0	0	0	0	0	6	15	0
feral/hybrid Duck	0	0	0	0	0	0	37	0	13	19	11	5
Water Rail	0	0	0	0	0	0	20	20	20	20	15	7
Moorhen	3	1	1	3	4	7	85	74	89	92	113	88
Coot	0	4	3	8	9	8	268	123	66	98	162	23
Oystercatcher	313	214	185	270	490	526	901	771	1,612	1,967	1,870	535
Ringed Plover	0	15	0	0	101	352	112	173	289	378	246	4
Golden Plover	0	0	0	0	0	0	35	80	0	102	115	13
Grey Plover	2	0	0	0	17	66	30	117	427	409	554	3
Lapwing	0	0	0	0	0	0	113	70	89	189	310	0
Sanderling	0	12	0	0	0	18	0	30	266	442	651	0
Purple Sandpiper	10	2	0	0	0	1	6	0	8	3	2	1
Dunlin	4	30	0	0	0	55	7	453	2,070	2,345	2,253	23
Ruff	0	0	0	0	0	0	1	0	0	0	0	0
Jack Snipe	0	0	0	0	0	0	0	0	0	1	0	0
Snipe	0	0	0	0	0	0	40	49	59	58	57	25
Woodcock	0	0	0	0	0	0	0	6	40	35	35	1
Bar-t. Godwit	0	0	0	0	0	2	2	0	124	176	117	0
Whimbrel	23	4	0	0	0	0	0	0	0	0	0	0
Curlew	20	11	24	16	54	48	47	88	304	422	324	31
Redshank	1	0	0	13	8	33	37	29	289	367	270	4
Greenshank	1	0	0	0	0	0	28	0	6	7	6	1
Common Sand.	1	1	0	2	2	0	0	0	0	0	0	0
Turnstone	129	71	1	3	66	247	193	261	447	494	398	105
Black-headed Gull	5	27	36	119	295	371	270	541	397	467	333	118
Common Gull	1	0	0	0	0	0	0	0	0	1	0	0
Lesser B-b Gull	24	7	5	109	57	18	23	9	15	8	45	74
Herring Gull	1,140	613	390	511	453	1,316	948	1,337	909	1,506	1,360	1,187
Great B-b Gull	93	34	70	15	196	139	60	147	201	218	214	158
Sandwich Tern	7	0	1	0	22	10	0	0	0	2	0	3
Common Tern	0	26	9	1	18	0	0	0	0	0	0	0
Kingfisher	0	0	0	0	1	0	1	0	0	0	0	0
<b>TOTALS</b>												
WATERFOWL	524	380	243	352	818	1,438	2,585	2,894	6,741	8,203	8,158	1,165
GULLS	1,263	681	501	754	1,001	1,844	1,301	2,034	1,522	2,200	1,952	1,537
TERNS	7	26	10	1	40	10	0	0	0	2	0	3

**APPENDIX 9. TOTAL NUMBERS OF WATERBIRDS RECORDED BY WeBS AT INLAND AND COASTAL SITES, 1998-99**

**GREAT BRITAIN: COASTAL SITES**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sectors	486	402	327	362	437	627	730	709	765	718	734	738
Sites	120	98	91	98	105	155	182	176	188	172	187	212
Red-t. Diver	223	62	3	49	42	131	173	270	416	942	947	242
Black-t. Diver	5	0	1	0	0	0	3	9	35	18	11	84
Great N. Diver	41	8	1	0	0	0	10	39	63	71	34	89
Unidentified diver	0	0	0	0	0	0	0	1	11	2	1	13
Little Grebe	204	167	107	120	261	501	825	1,063	1,354	994	790	547
Great C. Grebe	292	185	149	277	629	870	1,037	1,278	1,616	1,970	1,272	688
Red-n. Grebe	14	1	0	9	41	28	13	35	32	19	21	18
Slavonian Grebe	61	6	0	0	1	19	45	105	185	141	67	82
Black-n. Grebe	2	1	1	1	3	1	2	10	8	13	20	7
Unidentified grebe	0	0	0	0	0	0	0	0	0	0	0	1
Cormorant	2,385	1,721	1,920	2,588	4,349	7,713	7,396	5,957	5,532	5,264	4,324	3,755
Great White Pelican	0	0	0	0	0	0	1	0	1	1	0	0
Bittern	0	0	0	0	0	0	0	1	2	0	1	0
Cattle Egret	1	0	0	0	0	0	0	0	0	0	0	0
Little Egret	40	8	16	87	491	754	635	495	443	332	414	454
Grey Heron	578	457	515	667	1,059	1,651	1,462	1,126	1,191	838	694	654
Spoonbill	5	12	9	9	7	6	8	6	7	5	3	3
Lesser Flamingo	0	0	0	0	0	0	1	1	1	1	0	0
Greater Flamingo	1	1	0	0	0	0	0	0	0	0	0	0
Fulv. Whist. Duck	0	1	0	0	0	0	0	0	0	0	0	0
Mute Swan	1,925	1,939	1,619	2,076	2,200	3,294	3,382	3,548	4,107	3,922	3,922	3,202
Black Swan	0	2	6	6	8	5	3	2	0	1	0	0
Bewick's Swan	0	0	0	0	0	0	5	106	383	794	289	37
Whooper Swan	7	3	0	0	4	3	183	285	367	445	202	183
Bean Goose	0	0	0	0	0	0	17	0	2	5	6	0
Pink-f. Goose	3,804	37	7	2	2	12	40,665	16,040	73,078	27,357	43,333	14,996
White-f. Goose	0	0	0	0	0	0	0	0	0	3	11	0
Euro. Whitefront	2	0	0	1	0	6	49	161	1,202	2,939	1,926	6
Greenl. Whitefront	0	0	0	0	0	62	47	9	109	19	460	306
Lesser W-f. Goose	0	0	0	0	0	2	1	0	0	0	0	1
Greylag Goose	898	1,146	770	833	1,146	3,397	6,710	4,054	12,058	13,576	5,894	5,285
Bar-headed Goose	1	0	0	0	1	3	0	2	2	1	0	2
Snow Goose	0	1	0	0	1	0	6	0	0	2	4	9
Ross's Goose	0	0	0	0	0	1	2	2	0	1	0	0
Emperor Goose	0	0	0	0	2	0	0	1	1	1	0	0
Canada Goose	1,560	1,591	1,446	2,047	4,340	9,718	6,060	6,856	7,044	7,700	4,638	3,554
Barnacle Goose	12,550	3,007	2	0	1	190	15,530	10,644	5,528	3,068	12,622	5,665
Brent Goose	0	0	0	0	0	6	1	0	1	0	1	0
Dark-b. Brent	14,983	13,008	32	38	28	77	53,856	64,927	69,271	70,914	64,722	27,458
Black Brant	0	0	0	0	0	0	0	0	0	0	1	1
Light-b. Brent	6	0	2	0	0	396	1,694	2,844	2,516	2,034	308	36
Red-b. Goose	0	0	0	0	0	0	0	0	0	0	1	0
Egyptian Goose	0	10	20	8	13	13	3	8	33	9	4	7
feral/hybrid goose	4	1	3	0	1	8	1	8	3	5	24	21
unidentified goose	2	0	0	0	0	0	0	0	0	0	1,120	0
Ruddy Shelduck	0	1	2	0	0	0	2	0	1	1	4	1
Australian Shelduck	0	0	0	0	0	0	2	1	0	0	0	0
Shelduck	20,362	14,198	14,884	13,079	19,690	32,471	44,092	57,932	54,752	61,105	47,635	36,360
hybrid Shelduck	0	0	0	0	0	0	0	0	0	0	1	0
Muscovy Duck	0	0	0	0	0	0	0	1	0	0	0	0
Wood Duck	0	0	0	0	0	0	0	0	0	2	1	1
Mandarin	0	1	0	0	0	102	25	51	42	34	0	0
Wigeon	1,416	282	116	49	73	12,095	14,663	18,368	243,524	203,608	117,615	36,410
American Wigeon	0	0	0	0	1	1	2	2	3	2	1	1
Chiloe Wigeon	0	0	1	0	0	0	1	0	1	1	1	1
Gadwall	262	200	182	48	129	322	488	608	1,205	1,125	1,320	1,032
Teal	1,394	137	235	310	1,274	19,288	43,767	45,786	66,861	67,055	33,486	15,321
Am. Green-w. Teal	0	0	0	0	0	0	0	0	0	1	0	1
Mallard	4,741	5,045	7,134	5,688	11,410	26,798	31,783	30,731	39,075	35,894	19,947	10,203
Pintail	213	12	4	8	8	4,506	15,484	20,503	17,876	23,109	8,720	1,355

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	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>
Bahama Pintail	0	0	1	0	0	0	0	0	0	0	0	0
Garganey	4	25	5	3	13	9	3	0	0	0	0	1
Shoveler	328	277	144	121	476	697	1,216	1,704	2,336	2,695	1,931	1,321
Red-c. Pochard	0	1	0	0	6	0	0	0	0	0	0	0
Pochard	255	218	114	161	214	123	419	1,221	2,711	2,795	2,529	596
Ring-necked Duck	0	0	0	0	0	0	0	0	0	0	1	0
Tufted Duck	994	629	376	514	607	856	1,049	1,295	2,856	2,945	1,778	1,764
Scaup	1,319	24	1	92	3	40	1,138	3,312	2,149	2,513	2,684	1,502
Eider	16,488	15,834	15,591	22,988	19,406	24,855	23,806	24,645	16,702	16,802	17,585	15,536
King Eider	0	0	0	1	0	0	0	0	0	0	0	0
Long-tailed Duck	282	66	0	0	0	0	222	606	2,096	872	1,823	809
Common Scoter	2,072	566	778	816	690	706	1,732	5,347	4,234	3,809	3,398	3,819
Surf Scoter	1	0	0	0	0	0	2	2	4	6	4	5
Velvet Scoter	418	33	48	19	9	70	701	507	1,290	395	479	384
Unid. scoter sp.	0	0	0	0	0	0	0	0	200	300	77	0
Goldeneye	379	29	6	11	8	44	319	3,238	7,079	5,035	6,751	3,363
Smew	0	0	0	0	0	0	0	2	16	26	25	24
Red-b. Merganser	1,085	371	397	618	847	1,433	1,681	2,623	3,926	3,125	2,481	3,489
Goosander	64	93	144	422	501	309	127	120	229	147	189	66
Ruddy Duck	56	40	39	32	52	78	61	36	3	11	48	77
feral/hybrid Duck	0	0	0	0	0	0	2	3	0	0	2	2
unidentified duck	0	0	0	0	0	0	0	2	0	0	50	0
Water Rail	5	1	3	65	8	27	46	55	59	62	96	99
Spotted Crake	0	0	0	0	0	3	0	0	0	0	0	0
Moorhen	579	505	374	530	637	1,582	1,190	1,302	1,552	1,297	1,393	2,088
Coot	1,500	1,081	857	1,286	2,100	2,905	3,401	3,237	4,544	4,898	4,286	2,797
Oystercatcher	57,995	34,328	30,491	43,934	134,684	256,511	218,768	228,116	239,614	222,799	184,862	114,204
Black-winged Stilt	1	1	1	1	1	0	1	1	1	1	1	1
Avocet	706	425	467	1,025	740	837	1,777	2,510	2,307	2,113	2,081	1,355
Stone-curlew	0	0	0	0	1	0	0	0	0	0	0	0
Little R. Plover	10	30	26	20	26	5	0	0	0	0	0	1
Ringed Plover	8,233	12,448	1,553	1,635	11,795	20,181	11,516	8,567	7,629	7,744	6,293	3,501
Semipal. Plover	1	0	0	0	0	0	0	0	0	0	0	0
Kentish Plover	0	0	0	0	2	0	0	0	0	0	0	0
Dotterel	0	12	0	0	0	0	0	0	0	0	0	0
Golden Plover	3,853	22	18	3,250	13,625	23,911	54,596	89,800	90,385	118,681	48,239	16,115
Grey Plover	29,275	25,989	1,440	2,149	10,544	31,243	35,152	31,613	39,788	46,426	33,511	41,372
Sociable Plover	0	0	0	0	0	0	1	0	0	0	0	0
Lapwing	3,213	2,859	4,041	10,744	30,059	55,167	80,438	123,674	173,226	260,406	104,471	9,902
Knot	86,541	22,179	6,514	26,126	57,245	106,945	179,784	188,257	234,972	213,458	196,534	125,021
Sanderling	6,383	10,800	1,010	3,861	15,924	8,785	6,704	6,011	7,451	7,352	6,978	7,765
Little Stint	4	5	3	5	9	728	105	19	24	5	10	4
Temminick's Stint	0	0	0	0	0	1	1	0	0	0	0	0
Curlew Sandpiper	0	22	4	5	56	907	39	0	2	0	0	17
Purple Sandpiper	551	9	1	3	41	276	476	1,256	934	1,327	1,123	864
Dunlin	123,571	87,133	1,762	46,273	88,792	78,112	194,520	351,605	503,077	444,667	335,952	124,434
Ruff	39	11	6	70	87	653	334	58	140	100	122	107
Jack Snipe	3	0	0	0	0	1	14	24	59	27	63	23
Snipe	77	19	13	33	397	676	794	1,730	2,466	2,172	1,718	1,087
Long-b. Dowitcher	0	0	0	0	1	1	2	2	1	2	1	1
Woodcock	0	0	0	0	0	0	3	14	10	13	0	2
Black-t. Godwit	6,800	1,895	1,662	3,499	17,515	11,623	15,366	13,488	13,274	10,844	10,742	9,471
Bar-t. Godwit	2,680	1,791	1,499	3,971	13,511	20,248	23,276	17,368	45,132	42,265	38,541	10,928
Whimbrel	2,572	833	65	860	1,141	320	52	14	2	5	4	3
Curlew	11,483	3,405	7,787	34,993	60,968	84,300	70,760	70,522	64,105	64,925	64,211	48,326
Spotted Redshank	134	20	22	77	131	210	145	47	62	55	168	46
Redshank	22,892	4,018	3,447	16,376	46,383	73,864	83,177	79,339	77,767	69,535	63,164	57,366
Greenshank	338	81	16	648	1,232	1,995	667	264	251	185	207	171
Lesser Yellowlegs	1	1	0	0	0	0	2	0	0	1	1	0
Green Sandpiper	6	0	10	47	177	178	51	29	23	21	26	26
Wood Sandpiper	1	8	0	2	11	16	0	0	0	0	0	0
Common Sand.	183	121	64	444	616	465	47	17	25	13	24	13
Turnstone	7,258	1,672	423	1,637	5,847	9,999	12,101	12,106	12,878	12,227	10,404	9,894
Red-n. Phalarope	0	0	0	0	0	1	0	0	0	0	0	0
Mediterranean Gull	16	10	3	25	32	30	57	20	19	20	42	60
Laughing Gull	0	1	0	0	0	0	0	0	0	0	0	0
Little Gull	130	22	14	21	9	30	2	0	0	9	5	0
Sabine's Gull	0	0	0	0	1	1	0	0	0	0	0	0
Black-headed Gull	13,442	6,883	10,018	31,335	98,035	120,011	86,531	73,847	68,858	90,923	86,593	42,931

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Ring-billed Gull	0	0	!	0	0	1	1	1	1	1	3	1
Common Gull	3,271	2,833	1,753	2,316	10,007	14,942	11,595	14,418	14,786	11,785	27,142	9,992
Lesser B-b Gull	38,003	45,987	34,752	38,861	50,881	7,211	4,312	3,487	2,318	2,414	8,040	34,639
Herring Gull	31,630	28,897	31,584	33,643	48,482	40,500	36,781	33,592	43,795	37,467	47,982	39,819
Yellow-legged Gull	0	0	0	2	152	103	99	35	23	5	4	7
Iceland Gull	3	0	0	0	0	0	0	0	1	1	3	4
Glaucous Gull	0	0	0	0	1	1	1	1	5	4	4	1
Great B-b Gull	1,316	1,069	1,321	1,893	4,350	6,506	6,904	7,389	5,179	4,861	3,159	2,057
Kittiwake	61	110	86	133	693	1,455	0	2	6	52	74	188
Unidentified gull	40	0	0	0	200	10,715	8,172	1,879	2,320	2,429	1,130	285
Sandwich Tern	706	576	762	4,010	6,868	4,831	34	2	0	0	15	27
Roseate Tern	0	2	1	1	2	1	0	0	0	0	0	0
Common Tern	211	1,161	1,312	2,278	3,967	2,954	14	10	0	0	0	0
Arctic Tern	29	328	168	431	148	117	3	1	0	0	0	19
Forster's Tern	0	0	0	0	0	0	0	0	0	0	1	0
Little Tern	87	478	388	464	634	334	0	0	0	0	0	0
Black Tern	0	0	0	0	0	119	0	0	0	0	0	0
Unidentified tern	50	0	0	2	0	0	0	0	0	0	0	0
Kingfisher	3	5	7	13	31	62	59	44	63	34	28	17

#### GREAT BRITAIN: INLAND SITES

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sectors	903	871	849	856	896	1,475	1,882	2,035	1,958	1,928	1,959	1,831
Sites	741	738	715	707	720	1,178	1,435	1,497	1,461	1,431	1,436	1,360
Red-t. Diver	7	1	3	5	2	0	2	10	0	18	4	20
Black-t. Diver	1	1	0	1	0	1	0	1	0	1	1	5
Great N. Diver	2	4	2	2	0	0	7	14	26	24	5	4
Pied-billed Grebe	0	0	0	0	0	0	0	0	0	0	2	2
Little Grebe	711	600	550	827	1,493	2,739	2,946	2,229	2,144	1,928	1,831	1,724
Great C. Grebe	3,291	2,853	2,735	3,319	4,994	7,067	7,446	7,292	6,212	4,779	5,369	5,551
Red-n. Grebe	2	2	1	2	2	0	1	5	6	8	6	7
Slavonian Grebe	0	0	0	0	1	4	24	14	16	27	18	13
Black-n. Grebe	11	24	10	21	17	20	24	21	7	4	7	15
Cormorant	2,818	2,143	1,885	2,056	3,719	4,630	7,079	7,189	7,798	7,046	6,925	6,262
Bittern	5	8	1	4	2	4	8	8	27	24	14	16
Squacco Heron	0	0	1	0	1	0	0	0	0	0	0	0
Little Egret	0	2	5	2	15	31	20	26	48	41	35	25
Grey Heron	1,415	1,385	1,274	1,307	1,789	2,008	2,221	2,098	2,081	1,903	2,205	1,987
White Stork	1	2	2	1	1	1	4	2	4	4	3	3
Sacred Ibis	0	0	0	0	0	0	0	0	1	0	1	1
Spoonbill	0	0	0	0	1	2	1	0	1	1	1	1
Fulv. Whist. Duck	0	0	1	0	0	0	0	2	0	0	0	0
Mute Swan	6,408	6,179	6,480	7,462	9,076	11,991	15,415	15,216	14,740	12,433	11,636	10,705
Black Swan	12	9	17	16	26	38	30	16	23	24	15	21
Bewick's Swan	2	1	0	0	0	4	32	76	483	658	1,453	11
Whooper Swan	37	23	20	16	18	21	462	2,207	2,163	2,343	2,471	1,618
hybrid Cygnus	0	0	0	1	0	0	0	1	0	0	0	0
Swan Goose	0	0	0	0	0	2	0	2	1	1	1	0
Bean Goose	1	0	0	0	0	0	3	234	183	329	47	2
Pink-f. Goose	7,908	38	22	14	33	103	82,479	40,018	20,743	21,622	23,534	37,797
White-f. Goose	0	0	0	0	0	0	3	0	46	3	0	0
Euro. Whitefront	1	1	1	0	2	8	8	9	644	1,200	1,291	247
Greenl. Whitefront	1	0	1	0	1	1	459	981	367	1,019	240	463
Lesser W-f. Goose	0	0	0	1	0	1	3	1	1	1	0	0
Greylag Goose	4,585	4,440	7,024	9,415	12,441	14,547	36,007	38,479	33,439	28,745	23,050	17,245
Bar-headed Goose	7	6	17	10	10	10	7	14	16	8	12	12
Snow Goose	25	16	19	21	11	21	37	28	36	32	33	31
Ross's Goose	0	0	1	0	0	2	0	0	0	0	0	1
Emperor Goose	0	0	0	0	0	0	3	3	2	4	5	5
Canada Goose	9,213	9,277	16,070	19,530	24,628	29,664	36,482	35,272	35,305	32,834	24,869	19,972
Barnacle Goose	3,985	64	64	179	94	193	14,926	10,153	9,085	17,011	4,627	8,133
Brent Goose	0	0	0	0	0	0	0	0	1	0	0	0
Dark-b. Brent	13	2	1	1	0	0	1,827	3,081	1,808	3,495	2,537	277
Black Brant	0	0	0	0	0	0	0	0	1	1	0	0
Light-b. Brent	1	0	0	1	1	0	1	1	0	1	0	0
Red-b. Goose	0	1	0	1	1	1	0	1	1	0	5	1

	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>
Egyptian Goose	72	132	241	297	291	302	194	149	105	136	105	82
feral/hybrid goose	66	62	44	65	72	113	539	497	578	486	328	316
Ruddy Shelduck	4	3	1	5	3	3	4	0	2	0	1	0
Paradise Shelduck	0	1	0	0	0	0	0	0	0	0	0	0
Shelduck	2,300	2,186	1,286	556	360	182	232	556	1,179	2,001	2,624	3,079
Magellan Goose	0	0	0	0	0	0	1	1	1	1	1	1
Muscovy Duck	37	16	24	24	18	29	52	70	63	46	46	45
Wood Duck	0	0	0	0	0	0	1	2	1	0	0	0
Mandarin	81	94	112	132	67	109	263	210	147	141	90	115
Crested Duck	0	0	0	0	0	0	0	1	1	1	1	0
Wigeon	842	105	148	163	237	5,993	50,332	85,274	126,274	143,583	130,766	62,088
American Wigeon	1	1	1	0	1	2	2	2	1	0	1	0
Chiloe Wigeon	2	2	2	2	2	3	13	12	10	0	11	7
Gadwall	1,588	1,227	1,896	1,310	2,484	6,052	9,798	10,885	14,006	11,222	9,072	3,897
Baikal Teal	0	0	0	0	0	0	0	0	1	0	0	0
Teal	1,888	249	429	451	2,753	20,892	46,533	58,239	68,204	71,107	44,828	21,706
Am. Green-w. Teal	1	0	0	0	0	0	1	2	3	4	2	2
Speckled Teal	0	0	0	0	2	3	5	2	2	0	1	1
Mallard	17,734	19,192	24,040	32,495	49,138	83,192	98,795	109,374	112,039	93,022	65,535	39,267
Chestnut Teal	0	0	0	0	0	1	1	0	0	1	0	0
Pintail	47	8	6	7	21	493	1,129	1,971	2,995	3,674	5,004	2,557
Yellow-billed Pintail	0	0	0	1	0	0	0	0	0	0	0	0
Red-billed Teal	0	0	0	0	0	0	0	0	0	0	0	1
Cape Teal	0	0	0	0	0	0	0	0	0	0	1	0
Silver Teal	0	0	0	1	0	0	0	0	0	0	0	0
Garganey	19	43	12	10	33	23	7	3	1	1	0	4
Blue-winged Teal	0	1	1	0	0	0	0	0	0	1	0	1
Cinnamon Teal	0	0	0	0	0	0	0	1	0	0	0	0
Shoveler	831	683	423	567	1,854	5,358	7,280	5,797	5,281	5,476	5,722	4,237
Ringed Teal	0	0	4	0	0	1	0	3	1	4	1	1
Maned Duck	1	1	1	1	1	1	1	1	0	1	1	0
Red-c. Pochard	5	4	1	8	10	29	74	85	66	28	51	55
Pochard	648	536	553	1,163	4,257	8,162	12,994	24,683	37,690	35,029	27,224	4,569
Ring-necked Duck	1	1	1	0	0	1	2	2	3	3	3	6
Ferruginous Duck	0	0	0	0	0	1	1	0	4	3	1	0
Tufted Duck	13,772	7,278	6,955	14,694	27,024	37,707	39,750	46,985	51,422	47,897	44,277	35,132
Scaup	9	0	0	2	1	6	259	303	103	124	191	250
Lesser Scaup	0	0	0	0	0	0	0	1	1	2	3	2
Eider	117	55	74	29	7	25	77	17	11	29	216	227
Long-tailed Duck	0	0	0	0	0	1	71	82	89	58	101	204
Common Scoter	2	3	7	2	1	0	1	120	23	47	0	1
Velvet Scoter	0	0	0	0	0	0	0	1	0	3	0	0
Bufflehead	0	0	0	0	0	0	0	0	1	1	1	0
Goldeneye	1,074	58	48	95	62	129	534	5,247	7,288	7,836	9,829	8,441
Hooded Merganser	1	0	0	0	0	0	0	0	0	0	0	0
Smew	2	0	0	0	0	0	1	5	278	325	316	33
Red-b. Merganser	244	249	251	295	171	176	370	290	396	144	317	340
Goosander	427	362	175	281	294	457	876	1,480	3,025	3,097	3,363	1,423
Ruddy Duck	824	635	481	550	864	1,768	2,801	2,910	3,638	3,040	3,490	2,081
feral/hybrid Duck	88	81	87	114	98	128	146	188	205	191	169	149
hybrid Anas	0	0	0	0	0	1	1	0	0	0	0	0
hybrid Aythya	1	0	1	0	1	1	5	1	2	4	5	5
unidentified duck	0	0	0	0	0	0	0	3	6	1	0	0
Water Rail	60	23	23	20	29	75	184	309	462	276	210	212
Spotted Crake	0	3	0	0	0	0	0	0	0	0	0	0
Moorhen	3,613	3,163	2,716	3,319	5,707	8,727	10,402	10,939	10,363	9,753	9,757	8,153
Coot	14,032	11,374	13,867	23,787	40,547	71,708	92,806	102,349	105,682	88,414	64,963	39,782
Crane	0	0	0	0	0	0	0	0	0	0	0	2
Oystercatcher	2,004	1,277	1,393	1,501	885	582	624	824	1,604	2,043	6,412	10,021
Avocet	554	531	449	301	71	46	57	7	9	5	26	383
Little R. Plover	189	235	203	217	84	32	0	0	6	0	0	25
Ringed Plover	246	313	214	200	328	730	707	314	293	146	294	258
Golden Plover	867	15	2	9	363	1,310	13,222	28,788	22,392	34,150	29,454	5,354
Grey Plover	2	22	0	0	151	4	194	202	213	13	5	5
Lapwing	2,726	2,621	3,573	8,219	19,980	29,892	42,962	67,698	84,828	158,852	77,710	9,689
Knot	0	5	0	1	34	36	5	11	6	84	1	1
Sanderling	2	4	0	1	21	16	8	19	21	66	15	8
Little Stint	1	1	0	0	3	335	71	20	2	9	6	4
Temminck's Stint	0	1	0	0	0	0	0	0	0	0	0	0

	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>
Pectoral Sandpiper	0	0	0	0	3	213	4	0	0	0	0	0
Curlew Sandpiper	1	0	0	0	0	0	0	10	6	8	6	7
Purple Sandpiper	0	0	0	0	0	0	0	0	0	0	0	0
Dunlin	267	353	51	173	708	1,038	1,720	2,775	4,092	1,962	2,733	1,182
Ruff	53	14	4	23	190	627	465	314	246	261	634	414
Jack Snipe	5	0	0	1	0	0	43	70	46	57	73	47
Snipe	327	116	64	104	393	1,443	2,716	3,543	5,302	4,364	3,770	2,487
Long-b. Dowitcher	0	0	0	0	0	0	1	0	0	0	0	0
Woodcock	1	1	0	0	1	0	2	16	39	15	19	32
Black-t. Godwit	1,241	351	344	603	822	293	1,665	957	219	733	1,975	3,690
Bar-t. Godwit	15	14	0	6	14	89	36	25	2	3	6	21
Whimbrel	150	108	3	10	9	13	2	14	0	0	0	0
Curlew	491	286	325	1,403	935	1,446	4,927	7,683	5,488	8,892	8,634	5,270
Spotted Redshank	10	0	2	14	8	28	32	3	2	0	3	3
Redshank	1,784	963	940	719	1,727	1,959	1,323	2,140	2,436	2,502	3,168	3,036
Greenshank	19	21	8	86	221	390	37	15	11	8	8	15
Lesser Yellowlegs	0	0	0	0	0	0	1	0	0	0	0	1
Green Sandpiper	15	2	12	176	397	224	106	97	108	74	81	57
Wood Sandpiper	0	10	0	1	6	14	1	0	0	0	0	0
Common Sand.	342	400	295	420	619	361	44	17	13	8	3	11
Turnstone	49	31	8	10	52	58	218	240	167	179	52	38
Mediterranean Gull	2	8	6	6	0	3	9	5	5	5	8	21
Little Gull	15	14	21	44	141	22	7	2	0	1	1	1
Black-headed Gull	27,871	24,995	16,636	19,867	36,777	59,013	90,161	137,194	143,119	139,560	109,560	55,263
Ring-billed Gull	1	0	0	0	0	0	0	1	0	1	2	0
Common Gull	2,774	571	407	587	1,932	10,281	32,243	69,828	54,929	51,454	47,765	27,030
Lesser B-b Gull	3,323	1,812	3,270	5,742	9,257	19,894	11,743	15,361	4,936	5,247	3,963	4,943
Herring Gull	4,004	3,111	4,326	3,765	3,300	4,802	8,416	12,773	16,110	13,514	12,084	9,386
Yellow-legged Gull	0	0	5	22	11	2	12	15	8	1	12	2
W. Yellow-l. Gull	0	0	0	0	0	1	0	0	1	1	3	0
Iceland Gull	0	0	0	0	0	0	0	0	2	1	3	4
Glaucous Gull	2	1	1	1	1	0	0	1	3	2	5	2
Great B-b Gull	311	233	325	324	358	683	2,465	2,842	4,127	3,866	3,764	924
Kittiwake	0	34	0	1	0	0	1	0	0	2	1	7
Unidentified gull	0	0	6	56	29	60	6,121	687	1,500	1,093	13,487	5,530
Caspian Tern	0	0	0	0	1	0	0	0	0	0	0	0
Sandwich Tern	424	1,370	1,668	792	62	60	1	0	0	0	2	8
Roseate Tern	0	0	0	0	1	0	0	0	0	0	0	0
Common Tern	371	1,272	1,385	1,660	1,167	276	5	1	0	0	0	0
Arctic Tern	17	264	133	98	71	6	0	0	0	0	0	0
Forster's Tern	0	0	0	0	0	0	0	0	1	0	0	0
Little Tern	62	158	177	159	0	4	0	0	0	0	0	0
Black Tern	0	10	0	0	1	221	0	0	0	0	0	0
White-w. Black Tern	0	0	0	0	0	1	0	0	0	0	0	0
Unidentified tern	2	4	9	7	6	0	0	0	0	0	0	0
Kingfisher	70	81	88	124	149	267	278	282	242	161	144	156

#### NORTHERN IRELAND: COASTAL SITES

	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>
Sectors	11	10	6	10	10	24	19	62	66	29	66	27
Sites	3	2	2	2	2	7	6	8	8	7	8	7
Red-t. Diver	0	0	0	0	0	0	0	36	16	12	22	57
Great N. Diver	0	0	0	0	0	0	0	25	1	8	2	1
Unidentified diver	0	0	0	0	0	0	0	0	0	0	1	0
Little Grebe	0	0	0	0	0	97	124	85	138	119	101	49
Great C. Grebe	0	0	0	0	0	1,003	176	1,667	1,257	557	2,104	817
Red-n. Grebe	0	0	0	0	0	0	0	0	0	0	1	0
Slavonian Grebe	0	0	0	0	0	0	0	0	1	0	0	0
Cormorant	44	20	15	18	39	890	528	1,061	671	401	545	254
Grey Heron	4	3	3	8	9	164	110	89	129	66	56	31
Spoonbill	0	0	0	0	0	0	1	0	0	0	0	0
Mute Swan	52	83	67	41	37	236	268	287	287	196	167	166
Bewick's Swan	0	0	0	0	0	0	0	0	10	13	1	0
Whooper Swan	0	0	0	0	0	4	71	677	455	247	642	420
Pink-f. Goose	0	0	0	0	0	5	5	0	1	0	0	0
Greenl. Whitefront	0	0	0	0	0	0	8	2	12	2	0	9

	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>
Greylag Goose	0	0	0	0	0	113	151	29	395	304	622	345
Canada Goose	0	0	0	0	0	40	12	32	161	119	90	116
Barnacle Goose	0	0	0	0	0	105	121	120	123	121	121	81
Dark-b. Brent.	0	0	0	0	0	0	0	0	0	0	1	1
Black Brant	0	0	0	0	0	0	0	0	0	0	0	0
Light-b. Brent	74	0	0	0	0	13,217	15,976	13,282	4,303	2,713	3,681	2,743
Shelduck	81	63	50	6	4	269	1,258	2,404	4,777	3,769	3,368	1,749
Mandarin	4	3	0	0	1	2	0	0	0	0	0	0
Wigeon	10	0	0	0	0	2,433	10,861	3,693	3,531	2,746	2,400	1,274
Gadwall	4	0	0	0	0	83	44	48	61	53	82	39
Teal	10	0	2	0	0	1,125	2,171	1,607	3,335	2,619	2,263	1,116
Am. Green-w. Teal	0	0	0	0	0	0	0	0	0	1	1	1
Mallard	48	52	75	103	137	3,314	2,269	2,010	2,380	1,699	1,166	631
Pintail	0	0	0	0	0	90	178	302	367	238	204	19
Shoveler	0	0	0	0	0	10	81	126	108	79	20	34
Pochard	0	0	0	0	0	4	13	9	112	81	64	24
Tufted Duck	0	0	0	0	0	136	88	63	177	62	263	93
Scaup	0	0	0	0	0	8	3	17	588	658	736	1
Eider	10	6	0	1	1	666	40	893	657	201	847	375
Long-tailed Duck	0	0	0	0	0	0	0	2	14	0	1	14
Common Scoter	0	0	0	0	0	0	1	756	1	0	5	271
Goldeneye	4	0	0	0	0	3	4	351	720	569	971	439
Smew	0	0	0	0	0	0	0	0	0	1	1	0
Red-b. Merganser	32	3	3	3	0	523	377	559	465	354	432	356
Water Rail	0	0	0	0	0	0	0	0	0	1	0	0
Moorhen	0	0	0	0	0	8	8	8	4	5	10	2
Coot	0	0	0	0	0	321	273	40	345	85	172	128
Oystercatcher	672	255	167	254	1,466	12,539	11,616	19,545	19,140	15,201	16,261	10,488
Ringed Plover	40	104	19	21	136	280	429	794	880	379	660	55
Golden Plover	0	0	0	0	0	224	8,128	9,679	8,267	3,887	9,667	3,248
Grey Plover	6	4	0	0	3	39	119	153	484	227	266	145
Lapwing	0	0	16	125	110	985	2,846	10,727	16,620	8,288	12,019	134
Knot	16	0	0	0	2	443	526	647	7,640	7,666	4,370	680
Sanderling	10	37	0	0	3	9	2	54	0	72	22	0
Little Stint	0	0	0	0	0	5	0	0	0	0	0	0
Curlew Sandpiper	0	0	0	0	0	34	7	0	0	0	0	0
Purple Sandpiper	0	0	0	0	0	7	0	112	79	44	176	38
Dunlin	45	65	7	10	117	1,312	2,329	10,789	18,406	13,460	18,597	2,880
Ruff	0	0	0	0	0	11	6	1	0	0	0	0
Jack Snipe	0	0	0	0	0	0	0	3	2	1	4	3
Snipe	0	0	0	0	0	5	14	116	106	41	113	95
Black-t. Godwit	7	0	0	1	4	104	284	215	337	166	153	308
Bar-t. Godwit	3	1	3	0	1	28	286	779	1,509	5,336	378	95
Whimbrel	16	6	1	1	3	16	0	0	0	0	0	0
Curlew	62	19	40	535	627	4,285	4,132	4,765	6,823	4,749	6,067	3,219
Spotted Redshank	0	0	0	0	0	0	1	0	0	0	0	1
Redshank	509	7	23	402	606	7,230	6,960	9,725	8,322	5,968	7,422	5,649
Greenshank	1	0	0	6	5	118	181	78	134	59	87	71
Common Sand.	1	0	0	2	2	1	0	0	0	0	0	0
Turnstone	12	1	0	0	12	978	329	1,802	1,873	806	1,857	577
Black-headed Gull	63	81	100	259	818	4,821	5,011	11,975	11,487	6,042	10,651	5,380
Common Gull	45	31	53	50	394	1,220	2,909	3,900	1,552	2,883	3,420	712
Lesser B-b Gull	9	0	0	2	6	65	98	98	12	5	36	67
Herring Gull	105	114	39	112	190	1,697	639	3,242	3,504	4,181	8,333	2,955
Iceland Gull	0	0	0	0	0	0	0	0	0	0	4	1
Glaucous Gull	0	0	0	0	0	0	0	0	0	0	3	0
Great B-b Gull	53	58	20	87	192	364	213	740	682	1,185	476	214
Kittiwake	3	0	0	323	37	0	0	0	0	0	0	0
Sandwich Tern	123	37	24	425	356	296	24	0	0	0	0	0
Common Tern	0	0	0	17	12	1	0	0	0	0	0	0
Arctic Tern	0	39	3	0	0	0	0	0	0	0	0	0
Little Tern	1	0	0	0	0	0	0	0	0	0	0	0
Kingfisher	0	0	0	0	1	0	1	0	0	0	0	0

**NORTHERN IRELAND: INLAND SITES**

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Sectors	0	0	0	0	91	122	135	136	251	250	134	136
Sites	0	0	0	0	2	7	18	18	22	21	16	18
Little Grebe	0	0	0	0	171	361	469	198	465	449	141	76
Great C. Grebe	0	0	0	0	1,599	686	299	134	278	202	143	435
Cormorant	0	0	0	0	1,012	1,559	2,077	599	1,731	922	833	651
Grey Heron	0	0	0	0	359	171	280	93	165	158	202	99
Mute Swan	0	0	0	0	2,422	1,933	2,193	1,623	2,091	2,043	1,508	1,447
Bewick's Swan	0	0	0	0	0	0	1	1	12	53	34	4
Whooper Swan	0	0	0	0	7	7	173	662	1,426	1,630	848	817
Greenl. Whitefront	0	0	0	0	0	0	0	0	0	97	0	0
Greylag Goose	0	0	0	0	0	34	3	78	299	181	345	66
Canada Goose	0	0	0	0	0	0	0	0	332	357	0	1
Shelduck	0	0	0	0	36	5	3	79	19	40	115	264
Wigeon	0	0	0	0	4	189	1,735	1,336	2,624	2,230	2,399	1,045
Gadwall	0	0	0	0	59	146	129	51	67	84	84	184
Teal	0	0	0	0	27	469	690	392	3,395	929	2,516	683
Mallard	0	0	0	0	5,074	6,491	5,857	3,714	4,085	3,122	2,016	1,315
Pintail	0	0	0	0	2	7	0	2	12	0	4	5
Shoveler	0	0	0	0	2	35	12	46	80	32	129	31
Pochard	0	0	0	0	163	227	2,093	7,458	13,346	29,847	4,790	786
Tufted Duck	0	0	0	0	3,078	3,869	6,038	11,667	20,711	19,652	9,149	7,552
Scaup	0	0	0	0	0	1	208	888	2,057	3,462	4,441	2,351
Goldeneye	0	0	0	0	34	37	387	3,498	6,865	7,815	5,405	6,158
Red-b. Merganser	0	0	0	0	42	24	1	12	27	1	9	14
Goosander	0	0	0	0	0	1	0	1	1	0	1	1
Ruddy Duck	0	0	0	0	5	44	90	12	31	9	6	17
Water Rail	0	0	0	0	0	0	0	1	3	1	2	0
Moorhen	0	0	0	0	174	175	360	156	311	310	175	175
Coot	0	0	0	0	3,463	4,620	5,760	4,764	6,505	5,127	2,654	1,504
Oystercatcher	0	0	0	0	0	1,884	0	1,560	1,150	0	1,380	622
Ringed Plover	0	0	0	0	0	7	0	0	52	0	0	8
Golden Plover	0	0	0	0	0	1	1,243	9,359	6,618	5,975	9,930	1,610
Grey Plover	0	0	0	0	0	0	0	0	2	0	0	0
Lapwing	0	0	0	0	1,200	502	1,768	2,988	7,331	2,951	4,775	128
Knot	0	0	0	0	0	24	0	0	0	0	8	0
Little Stint	0	0	0	0	0	6	0	0	0	0	1	0
Curlew Sandpiper	0	0	0	0	0	7	0	0	0	0	0	0
Dunlin	0	0	0	0	0	41	24	75	347	46	286	0
Ruff	0	0	0	0	0	6	0	0	0	0	0	0
Jack Snipe	0	0	0	0	0	0	0	0	1	0	0	1
Snipe	0	0	0	0	8	20	51	71	93	114	122	113
Black-t. Godwit	0	0	0	0	0	428	0	130	33	0	84	8
Bar-t. Godwit	0	0	0	0	0	30	0	16	22	0	128	1
Whimbrel	0	0	0	0	0	2	0	0	0	0	0	0
Curlew	0	0	0	0	171	803	125	610	764	625	553	134
Spotted Redshank	0	0	0	0	0	1	0	0	0	0	0	0
Redshank	0	0	0	0	1	259	0	19	69	9	56	34
Greenshank	0	0	0	0	0	1	0	1	1	0	1	1
Common Sand.	0	0	0	0	0	3	0	0	0	0	0	0
Turnstone	0	0	0	0	0	27	0	0	0	0	0	17
Black-headed Gull	0	0	0	0	4,409	1,134	1,019	3,177	2,259	1,060	4,177	2,646
Ring-billed Gull	0	0	0	0	0	0	0	1	0	0	1	0
Common Gull	0	0	0	0	59	49	255	549	245	104	494	137
Lesser B-b Gull	0	0	0	0	745	1,130	894	442	82	225	138	278
Herring Gull	0	0	0	0	139	13	15	128	351	53	102	96
Glaucous Gull	0	0	0	0	0	0	0	0	0	0	1	0
Great B-b Gull	0	0	0	0	34	68	36	31	26	69	46	50
Sandwich Tern	0	0	0	0	0	70	0	0	0	0	0	0
Common Tern	0	0	0	0	46	6	0	0	0	0	0	0
Kingfisher	0	0	0	0	0	0	0	0	0	1	0	0

## APPENDIX 10. LOCATIONS OF WeBS COUNT SITES MENTIONED IN THIS REPORT

The location of all counts sites or areas mentioned in this report are given here. Sites are listed alphabetically, with the 1km square OS grid reference for the centre of the site, the habitat (H) and the county or district. Note that this is not an exhaustive list of WeBS sites counted in 1998-99, simply those mentioned by name in this report. Figure A1 shows the location of many of the more important sites for waterbirds.

Habitat codes (the predominant habitat type is given for complex sites containing many different habitats)

L	Lake	M	Marsh
R	Reservoir	S	Sewage treatment works
P	Gravel or sand pit	E	Estuary
V	River	O	Open coast
C	Canal	N	Non-wetland

Site	I km sq	H	County	Site	I km sq	H	County
Abberton Reservoir	TL9818	R	Essex	Bewl Water	TQ6733	R	Sussex
Aberlady Bay	NT4581	E	Lothian	Bicton Reservoir	SM8407	R	Dyfed
Acre Nook Sand Quarry	SJ8272	P	Cheshire	Birgham Haugh	NT7938	N	Borders
Aignish Bay	NB4932	O	Western Isles	Black Cart Water	NS4767	M	Borders
Alaw Reservoir	SH3968	R	Gwynedd	Blackmoorfoot Reservoir	SE0912	R	W Yorkshire
Alde Complex	TM4257	E	Suffolk	Blackwater Estuary	TL9307	E	Essex
Aldenham Reservoir	TQ1695	R	Hertfordshire	Blagdon Lake	ST5150	R	Avon
Allington Gravel Pits	SU4717	P	Hampshire	Blatherwyke Lake	SP9796	L	Northants
Allot Inch	NS8792	N	Central	Blenheim Park Lake	SP4316	L	Oxfordshire
Alnmouth	NU2410	E	N'th'mberland	Blickling Lake	TG1729	L	Norfolk
Alt Estuary	SD2903	E	Merseyside	Blithfield Reservoir	SK0524	R	Staffordshire
Altofts Ings	SE3624	L	W Yorkshire	Bluemull/Colgrave Sound	HU5697	O	Shetland
Altofts Ings	SE3624	L	W Yorkshire	Blunham Gravel Pits	TL1551	P	Bedfordshire
Alton Water	TM1356	R	Essex	Blyth to Newbiggin	NZ3084	O	N'th'mberland
Alvecote Pools	SK2504	L	Warwickshire	Blyth Estuary (Suffolk)	TM4675	E	Suffolk
Ampton Water	TL8770	L	Suffolk	Bolton-on-Swale Gravel Pits	SE2498	P	N Yorkshire
Appin/Erriska/Benderloch	NM9043	O	Strathclyde	Bough Beech Reservoir	TQ4947	R	Kent
Aqualate Mere	SJ7720	L	Staffordshire	Brading Harbour	SZ6388	E	Isle of Wight
Ardleigh Reservoir	TM0328	R	Essex	Bramshill Park	SK7560	L	Hampshire
Argal Reservoir	SW7632	R	Cornwall	Brandon Marsh Nature Reserve	SP3875	M	Warwickshire
Arlington Reservoir	TQ5307	R	Sussex	Brent Reservoir	TQ2287	R	Gtr London
Arran	NR9535	O	Strathclyde	Breydon Water & Berney Marshes	TG4907	E	Norfolk
Arun Valley	TQ0314	V	West Sussex	Bridge of Earn	NO1417	N	Tayside
Ash Levels	TR3162	M	Kent	Broad Water Canal	J1462	C	Antrim
Ashford Common Waterworks	TQ0869	S	Surrey	Buckden/Stirtloe Gravel Pits	TL2066	P	Canbs
Ashleworth Ham	SO8326	M	Glos	Buckenham Marshes	TG3505	M	Norfolk
Attenborough Gravel Pits	SK5234	P	Notts	Burghfield Gravel Pits	SU6870	P	Berkshire
Auchencairn Bay	NX8252	E	Dumfries & Galloway	Burrator Reservoir	SX5568	R	Devon
Avon Estuary	SX6745	E	Devon	Burry Inlet	SS5096	E	W Glamorgan, Dyfed
Ayr to Troon	NS3425	O	Strathclyde	Busbridge Lakes	SU9742	L	Surrey
Bainton Pits	TF1107	P	Cambs	Bush River: Deepstown	C9434	V	Antrim
Ballo Reservoir	NO2205	R	Fife	Bute	NS0761	L	Strathclyde
Ballyroney Lake	J229382	L	Down	Caerlaverock WWT	NY0565	E	Dumfries & Galloway
Ballysaggart Lough	H7961	L	Tyrone	Castron Quarry	NJ0001	P	N'th'mberland
Balranald RSPB Reserve	NF7169	L	Western Isles	Caithness Lochs	ND1859	L	Highland
Bann Estuary	C7935	E	Londonderry	Calf Hey Reservoir	SD7522	R	Lancashire
Bardney Pits	TF1168	P	Lincolnshire	Calvert Brick Works	SP6824	P	Bucks
Bardowie Loch	NS5873	L	Strathclyde	Cambois to Newbiggin	NZ3084	O	N'th'mberland
Barleycroft Gravel Pits	TL3672	P	Cambs	Camel Estuary	SW9474	E	Cornwall
Barn Elms Reservoir	TQ2277	R	Gtr London	Cameron Reservoir	NO4711	R	Fife
Barnstone Pool	SK7334	P	Notts	Canary Road	H8755	M	Armagh
Baron's Haugh	NS7555	L	Strathclyde	Cardigan Bay	SH5020	O	Gwynedd, Dyfed
Barrow Gurney Reservoir	ST5367	R	Avon	Carlhurlie Reservoir	NO3904	R	Fife
Barton Pits	SK2017	P	Staffordshire	Carlingford to Newcastle	J3718	O	Down
Baston/Langtoft Gravel Pits	TFI212	P	Lincolnshire	Carlingford Lough	J2013	E	Down
Bayfield Loch	NH8271	L	Highland	Castle Loch, Lochmaben	SN2501	E	Dyfed
Beadnell to Seahouses	NU2231	O	N'th'mberland	Castle Howard Lake	NS7196	N	Central
Beaulieu Estuary	SZ4298	E	Hampshire	Castlecaldwell Refuge Area	NN8609	L	Tayside
Beauly Firth	NH5848	E	Highland	Carse of Stirling	NY0881	L	D'ries & G'wy
Beddington Sewage Farm	TQ2966	S	Gtr London	Carsebreck/Rhynd Lochs	SE7170	L	N Yorkshire
Bedfont & Ashford Gravel Pits	TQ0872	P	Gtr London	Castle Loch, Lochmaben	H0060	L	Fermanagh
Beesands Ley	SX8141	L	Devon	Castle Howard Lake	SH4475	R	Anglesey
Belfast Lough	J4083	E	Down	Castlecaldwell Refuge Area	SH3393	O	Gwynedd
Belvide Reservoir	SJ8610	R	Staffordshire	Cefni Reservoir	SK0307	R	W Midlands
Benacre Broad	TM5383	L	Suffolk	Cemlyn Bay & Lagoon	SK2670	L	Derbyshire
Benbecula	NF8150	N	Western Isles	Chasewater	ST4454	R	Somerset
Berwick Little Beach	NU0053	O	N'th'mberland	Chatsworth Park Lake			
Besthorpe & Girton Gravel Pits	SK8165	P	Notts	Cheddar Reservoir			

<b>Site</b>	<b>I km sq</b>	<b>H</b>	<b>County</b>	<b>Site</b>	<b>I km sq</b>	<b>H</b>	<b>County</b>
Chew Valley Lake	ST5659	R	Avon	Doxey Marshes	SJ9024	M	Staffordshire
Chichester Harbour	SU7700	E	West Sussex	Draycote Water	SP4469	R	Warwickshire
Chichester Gravel Pits	SU8703	P	West Sussex	Drumgoy Lough	H2448	L	Fermanagh
Chilham & Charlham Gravel Pits	TR0954	P	Kent	Drummond Pond	NN8518	L	Tayside
Chillington Hall Pool	SJ8550	L	Staffordshire	Druridge Pool	NZ2796	L	N'th'mberland
Chorlton Water Park	SJ8291	P	Greater Manchester	Duddon Estuary	SD2081	E	Cumbria
Christchurch Harbour	SZ1792	E	Dorset	Dundrum Outer Bay	J4535	E	Down
Church Wilne Reservoir	SK4632	R	Derbyshire	Dundrum Bay	J4235	E	Down
Clachan/Whitehouse	NR7959	N	Strathclyde	Dungeness Gravel Pits	TR0619	P	Kent
Clarydale Water	SN0417	L	Dyfed	Dun's Dish	NO6460	L	Tayside
Clea Lake I	JS06557	L	Down	Dupplin Loch	NO0320	L	Tayside
Cleddau Estuary	SN0005	E	Dyfed	Durham Coast	NZ4349	O	Durham
Clifford Hill Gravel Pits	SP8061	P	Northants	Dyfi Estuary	SN6394	E	Dyfed
Clumber Park Lake	SK6374	L	Notts	Dysynni Estuary	SH5702	E	Gwynedd
Clwyd Estuary	SJ0079	E	Clwyd	Earls Barton Gravel Pits	SP8966	P	Northants
Clyde Est.	NS3576	E	Strathclyde	Earlsferry to Anstruther	NOS302	O	Fife
Coll	NM2055	N	Strathclyde	East Fortune Ponds	NT5580	L	Lothian
College Lake Reserve	SP9314	P	Bucks	East Sanday Coast	HY7241	O	Orkney
Colliford Reservoir	SX1871	R	Cornwall	East Loch Tarbet	NR8769	O	Strathclyde
Colne Valley Gravel Pits	TQ0489	P	Gtr London	Easterloch/Uyeasound	HP5901	O	Shetland
Colne Estuary	TM0614	E	Essex	Eccup Reservoir	SE2941	R	W Yorkshire
Colonsay/Oronsay	NR3896	N	Strathclyde	Eden Estuary	NO4719	E	Fife
Colwick Country Park	SK6039	L	Notts	Edington Lake	ST9253	L	Wiltshire
Colwyn Bay	SH9079	O	Clwyd	Egilsay	HY4730	L	Orkney
Combermere	SJ5884	L	Cheshire	Eglwys Nunydd Reservoir	SS7984	R	W Glamorgan
Conaught Water	TQ4095	L	Essex	Elland Gravel Pits	SE1322	P	W Yorkshire
Conwy Estuary	SH7877	E	Caernarvon	Ellesmere Lakes	SJ4035	L	Shropshire
Coombe Country Park	SP3974	P	Warwickshire	Emberton Gravel Pits	SP8850	P	Bucks
Coquet Estuary	NU2706	E	Gwynedd	Erme Estuary	SX6249	E	Devon
Corby Loch	NJ9214	L	Grampian	Esthwaite Water	SD3596	L	Cumbria
Cosmeston Lakes	ST1769	P	Glamorgan	Etherow Country Park	SJ9791	L	Greater Manchester
Cotswold Water Park (East)	SU1999	P	Glos, Oxon	Eversley Cross & Yateley GPs	SU8601	P	Hampshire
Cotswold Water Park (West)	SU0595	P	Glos, Wilt	Exe Estuary	SX9883	E	Devon
Cowden Loch & Ponds	NN7820	L	Tayside	Eyebrook Reservoir	SP8595	R	Leicestershire
Cowden Loch & Ponds	NN7820	L	Tayside	Fairburn Ings	SE4627	P	N Yorkshire
Cowgill Reservoirs	NT0327	R	Strathclyde	Fal Complex	SV8541	E	Cornwall
Craigalea to Newcastle	J704337	O	Down	Fala Flow	NT4258	L	Lothian
Craigiuscar Reservoirs	NT0690	R	Fife	Farmoor Reservoirs	SP4406	R	Oxfordshire
Cranwich Gravel Pits	TL7796	P	Norfolk	Farmwood Pool	SJ8173	L	Cheshire
Cresswell to Chevington Burn	NZ2895	O	N'th'mberland	Farne Islands	NU2136	O	N'th'mberland
Crichel Lake	ST9907	L	Dorset	Fen Drayton Gravel Pits	TL3470	P	Cambs
Criddling Stubbs Quarry Pool	SE5120	P	W Yorkshire	Ferry Meadows	TLI497	P	Cambs
Cromarty Firth	NH7771	E	Highland	Fiddlers Ferry Power Station	SJ5585	P	Cheshire
Crombie Reservoir	NO5240	R	Tayside	Filey Bay	TA1279	O	N Yorkshire
Cropston Reservoir	SK5410	R	Leicestershire	Fillingham Lake	SK9485	L	Lincolnshire
Crouch/Roach Estuary	TQ0496	E	Essex	Fincastle Loch	NN8762	L	Tayside
Crowdy Reservoir	SX1483	R	Cornwall	Findhorn Bay	NJ0462	E	Grampian
Croxall Pits	SK1814	P	Staffordshire	Fisherwick & Elford Gravel Pits	SK1710	P	Staffordshire
Cults Reservoir	NJ9002	R	Grampian	Fleet Pond	SUB255	L	Hampshire
Cuttini Ponds	SU9145	L	Surrey	Fleet/Wey	SY6976	E	Dorset
Darwell Reservoir	TQ7121	R	Sussex	Fonthill Lake	ST9331	L	Wiltshire
Daventry Reservoir	SP5763	R	Northants	Fordwich & Westbere Gravel Pits	TR1860	P	Kent
Deben Estuary	TM2942	E	Suffolk	Foreland	SZ6584	O	Isle of Wight
Dee Flood Meadows	SJ4159	V	Cheshire	Foremark Reservoir	SK3224	R	Derbyshire
Dee Estuary (England/Wales)	SJ2675	E	Merseyside,	Fort Henry Ponds & Exton Park	SK9412	L	Leicestershire
			Cheshire,	Forth/Teith Valley	NS7595	N	Central
			Clwyd	Forth Estuary	NT2080	E	Lothians, Central, Fife
Dee Estuary (Scotland)	NJ9505	E	Grampian	Fordy Bay	SH4559	E	Gwynedd
Deene Lake	SP9492	L	Northants	Fowey Estuary	SX1254	E	Cornwall
Deeping St James Gravel Pits	TF1808	P	Lincolnshire	Frainslake to Freshwater West	SR8898	O	Dyfed
Dengie Flats	TM0300	E	Essex	Fraserburgh to Rosehearty	NJ9667	O	Grampian
Derwent Water	NY2621	L	Cumbria	Frenchess Road Pond	TO2851	L	Surrey
Derwent Reservoir	NZ0251	R	Durham	Frimley Hatches Gravel Pits	SU8757	P	Surrey
Deveron Estuary	NJ6964	E	Grampian	Gadloch	NS6471	L	Strathclyde
Didlington Lakes	TL7796	P	Norfolk	Girvan to Turnberry	NS2002	O	Strathclyde
Dinnet Lochs	NJ4800	L	Grampian	Gladhouse Reservoir	NT2953	R	Lothian
Dinton Pastures	SU7872	M	Berkshire	Glenfarg Reservoir	NO1011	R	Tayside
Dishley Pool	SK5221	L	Leicestershire	Goring	TQ1001	O	Sussex
Ditchford Gravel Pits	SP9468	P	Northants	Graham Water	TL1568	R	Cambs
Doddington Pool	SJ7146	L	Cheshire	Great Pool Westwood Park	SO8763	L	Hereford & Worcester
Don Mouth to Ythan Mouth	NJ9815	O	Grampian	Grimsthope Lake	TF0222	L	Lincolnshire
Doon Estuary	NS3219	O	Strathclyde	Grouville Marsh	WV6949	M	Channel Isles
Dorchester Gravel Pits	SU5795	P	Oxfordshire	Gruinard Bay	NG9393	O	Highland
Dornoch Firth	NH7384	E	Highland				
Dowlaw Dam	NT8569	R	Borders				

Site	I	km	sq	H	County	Site	I	km	sq	H	County
Grutness to Quendale	HU3811	O	Shetland	Kinnordy Loch	NO3654	L	Tayside				
Guernsey Shore	WV27	O	Channel Isles	Kirkby-on-Bain Gravel Pits	TF2360	P	Lincolnshire				
Gun Knowe Loch	NT5135	L	Borders	Kislingbury Gravel Pits	SP7158	P	Northants				
Gunton Park Lake	TG2234	L	Norfolk	Knight & Bessborough Reservoirs	TQ1268	R	Surrey				
Haddo House Lakes	NJ8734	L	Grampian	Knockshinnoch Lagoons	NS6013	L	Strathclyde				
Hamford Water	TM2225	E	Essex	Lackford Gravel Pits	TL7971	P	Suffolk				
Hamilton Low Parks	NS7257	L	Strathclyde	Lade Sands	TR0921	O	Kent				
Hammer Wood Pond	SU8423	L	West Sussex	Linkeath Fen	TL7186	M	Suffolk				
Hampton & Kempton Reservoirs	TQ1269	R	Gtr London	Lambeth Reservoirs	TQ1268	R	Surrey				
Hanningfield Reservoir	TQ7398	R	Essex	Lancaster Canal	SD4766	C	Lancashire				
Hardley Flood	TM3899	M	Norfolk	Landbeach & Waterbeach GP	TL4866	P	Suffolk				
Harewood Lake	SE3144	L	W Yorkshire	Langstone Harbour	SU6902	E	Hampshire				
Hascosy, Bluemull & Colgrave Sound	NU5697	O	Shetland	Langtoft West End Gravel Pits	TF1111	P	Lincolnshire				
Haverton Hole	NZ4923	L	Cleveland	Larne Lough	D4200	E	Antrim				
Hay-a-Park Gravel Pits	SE3658	P	N Yorkshire	Lavan Sands	SH6474	E	Gwynedd				
Hayle Estuary	SW5537	E	Cornwall	Lee Valley Gravel Pits	TL3702	P	Hertfordshire, Essex				
Headley Mill Pond	SU8138	L	Hampshire	Leen Valley/Mill Lake Country Park	SK5447	L	Notts				
Heathfield Gravel Pits	SM9231	P	Dyfed	Leighton Moss	SD4875	L	Lancashire				
Heaton Park Reservoir	SD8205	R	Greater Manchester	Leighton & Roundhill Reservoirs	SE1577	R	N Yorkshire				
Heigham Holmes	TG4420	M	Norfolk	Leventhorpe Flood Meadows	SE3629	M	W Yorkshire				
Helford Estuary	SW7526	E	Cornwall	Leybourne/New Hythe Gravel Pits	TQ6959	P	Kent				
Herne Bay	TR1768	O	Kent	Lindisfarne	NU1041	E	N'th'mberland				
Hickling Broad	TG4121	L	Norfolk	Linford Gravel Pits	SP8442	P	Bucks				
Hilfield Park Reservoir	TQ1596	R	Hertfordshire	Linne Muirich & Loch Na Cille	NR7080	O	Strathclyde				
Hill Ridware Lake	SK0717	L	Staffordshire	Little Paxton Gravel Pits	TL1963	P	Cambs				
Hillsborough Main Lake	J2458	L	Down	Little Stour Valley	TR2056	M	Kent				
Hindley Golf Course	SD6106	L	Greater Manchester	Livermere	TL8771	L	Suffolk				
Hirsel Lake	NT8240	L	Borders	Llangorse Lake	SO1326	L	Powys				
Hogganfield Loch	NS6467	L	Strathclyde	Llyn Alaw	SH3986	R	Anglesey				
Holburn Moss	NU0536	L	N'th'mberland	Llyn Llywennan	SH3877	L	Anglesey				
Holden Wood Reservoir	SD7722	R	Lancashire	Llyn Dinam	SH3077	L	Anglesey				
Holkham Bay	TF8845	E	Norfolk	Llyn Penrhyn	SH3077	L	Gwynedd				
Holland Haven	TM2117	M	Essex	Llyn Trawfyll	SH13276	L	Gwynedd				
Hollowell Reservoir	SP6872	R	Northants	Llynnaun Y Fali	SH3177	L	Anglesey				
Holme Pierrepont Gravel Pits	SK6239	P	Notts	Llysfran Reservoir	SN0324	R	Dyfed				
Hornsea Mere	TA1947	L	Humberside	Loch Ardinning	NS5677	L	Central				
Horrocks' Flash	SD5902	L	Greater Manchester	Loch Ardnave	NR2872	L	Strathclyde				
Horsey Mere	TG4422	L	Norfolk	Loch a'Phuill	NL9541	L	Strathclyde				
Houghton Green Pool	SJ6292	L	Cheshire	Loch Bhasapoll	NL9747	L	Strathclyde				
Hule Moss	NT7149	L	Borders	Loch Branaahuie & Aignish	NB4732	L	Western Isles				
Humber Estuary	TA2020	E	Humberside, Lincolnshire	Loch Calder	ND0760	L	Highland				
Hurleston Reservoir	SJ6255	R	Cheshire	Loch Clunie	NO1144	L	Tayside				
Huttoft Clay Pits	TF5477	P	Lincolnshire	Loch Coalsport	NR7677	L	Strathclyde				
Inland Sea	SH2779	E	Gwynedd	Loch Etive	NM9434	L	Strathclyde				
Inner Clyde Estuary	NS3576	E	Strathclyde	Loch Ewe: Aultbea	NG8788	L	Highland				
Inner Moray Firth	NH6752	E	Highland	Loch Eye	NH8379	L	Highland				
Irvine/Garnock Estuary	NS3038	E	Strathclyde	Loch Fleet Complex	NH7896	E	Highland				
Irvine to Saltcoats	NS2839	E	Strathclyde	Loch Gairloch	NG7975	O	Highland				
Islay	NR3560	N	Strathclyde	Loch Garten & Mallachie	NH9718	L	Highland				
Isle of Cumbrae	NS1656	O	Strathclyde	Loch Gelly	NT2092	L	Fife				
Islesteps	NX9772	V	Dumfries & Galloway	Loch Gruinart	NR2971	E	Strathclyde				
Jersey Shore	WV6249	O	Channel Isles	Loch Indaal	NR2361	E	Strathclyde				
Jura	NR5672	N	Strathclyde	Loch Insh & Spey Marshes	NH8304	L	Highland				
Kedleston Park Lake	SK3141	L	Derbyshire	Loch Ken	NX7168	R	Dumfries & Galloway				
Keills Peninsula & Isle of Danna	NR7385	O	Strathclyde	Loch Leven	NO1401	L	Tayside				
Keltie Loch	NO0013	L	Tayside	Loch Lomond	NS4388	L	Strathclyde				
Kenfig Pool	SS7981	L	Glamorgan	Loch Mahaick	NN7006	L	Central				
Kentra Moss/Lower Loch Shiel	NM6668	L	Highland	Loch Mullion	NN9833	L	Tayside				
Kessingland Levels	TMS185	L	Suffolk	Loch na Cille	NR6980	L	Strathclyde				
Kilconquhar Loch	NO4801	L	Fife	Loch of Wester	ND3259	L	Highland				
Kilkeel to Lee Stone Point	J3214	O	Down	Loch of Boardhouse	HY2725	L	Orkney				
Killimster Loch	ND3056	L	Caithness	Loch of Harray	HY2915	L	Orkney				
Killough Harbour	J5437	O	Down	Loch of Hempriggs	ND3447	L	Caithness				
King George V Reservoir	TQ3796	R	Gtr London	Loch of Hundland	HY2926	L	Orkney				
King George VI Reservoir	TQ0473	R	Surrey	Loch of Isbister	HY2523	L	Orkney				
Kings Bromley Gravel Pits	SK1116	P	Staffordshire	Loch of Kinnordy	NO3655	L	Tayside				
Kings Mill Reservoir	SK5159	R	Notts	Loch of Lintrathen	NO2754	L	Tayside				
Kingsbridge Estuary	SX7411	E	Devon	Loch of Skail	HY2418	L	Orkney				
King's Meads	TL3413	M	Hertfordshire	Loch of Skene	NJ7807	L	Grampian				
King's Dyke Pits	TL2397	P	Cambs	Loch of Spiggie	HU3716	L	Shetland				
				Loch of Stenness	NY2812	L	Orkney				
				Loch of Strathbeg	NK0758	L	Grampian				
				Loch of Swannay	HY3127	L	Orkney				
				Loch of the Clans	NH9353	L	Highland				

Site	I km sq	H County	Site	I km sq	H County
Loch of the Lowes	NO0443	L Tayside	North Norfolk Marshes	TF8546	E Norfolk
Loch Ore	NT1695	L Fife	North Ronaldsay	HY7655	N Orkney
Loch Ryan	NX0565	E Dumfries & Galloway	North Uist	NF8370	N Western Isles
Loch Spynie	NJ2366	L Grampian	North Warren & Thorpeness Mere	TM4658	L Suffolk
Loch Tullybelton	NO0034	L Tayside	North West Solent	SZ3395	E Hampshire
Loch Watten	ND2256	L Highland	Nostertfield Gravel Pits	SE2880	P N Yorkshire
Lochs Heilen & Mey	ND2568	L Highland	Nunnery Lakes	TL8781	L Norfolk
Lochs Beg & Scridain	NM5027	L Strathclyde	Ogden Reservoir	SD7622	R Lancashire
Loe Pool	SW6424	L Cornwall	Old Moor Wetlands	SE43 02	L S Yorkshire
Longnewton Reservoir	NZ3616	R Cleveland	Orkney	HY4010	N Orkney
Longside Lake	TQ0168	P Surrey	Orwell Estuary	TM2238	E Suffolk
Longueville Marsh	WV6748	M Channel Isles	Osterley Park Lakes	TL1478	L Gtr London
Looe Estuary	SX2553	E Cornwall	Ouse/Lairo Water	HY5019	L Orkney
Lossie Estuary	NJ2470	E Grampian	Ouse Washes	TL5394	M Cambs
Lothing Lake & Oulton Broad	TM5292	E Suffolk	Outer Ards	J6663	O Down
Lough Money	J5345	L Down	Outwood Swan Sanctuary	TQ3347	L Surrey
Lough Foyle	C6025	E Londonderry	Overstone Park Lakes	SP8065	L Northants
Lough Aghery	J2853	L Down	Pagham Harbour	SZ8796	E West Sussex
Loughs Neagh & Beg	J0575	L Down, Antrim, Londonderry, Tyrone, Armagh	Pannel Valley	TQ8815	M East Sussex
Lowbank Gravel Pit	NN9417	P Tayside	Panshanger Estate	TL2812	L Hertfordshire
Lower Teviot Valley	V	V Borders	Par Sands Pools	SX0853	L Cornwall
Lower Windrush Valley GPs	SP4004	P Oxfordshire	Passfield Lake	SU8234	L Hampshire
Lower Bogrotten	NJ4861	N Grampian	Paultons Bird Park	SU3116	L Hampshire
Lower Derwent Valley	SE6938	M Humberside	Pegwell Bay	TR3563	E Kent
Luckford Lake	SY8683	L Dorset	Pen Ponds	TQ1972	L Gtr London
Lurgashall Mill Pond	SU9326	L West Sussex	Pennington Flash	SJ6499	L Greater Manchester
Lynford Gravel Pit	TL8194	P Norfolk	Pentney Gravel Pits	TF7013	P Norfolk
Machrihanish	NR6522	N Strathclyde	Pirton Pool	SO8847	L Hereford & Worcester
Maer Lake	SK2070	M Cornwall	Pitsford Reservoir	SP7669	R Northants
Margam Park Ponds	SS8086	L W Glamorgan	Polbain	NB9909	O Highland
Marley Sewage Treatment Works	SE0840	S W Yorkshire	Poole Harbour	SY9988	E Dorset
Marsh Lane Gravel Pits	TL3069	P Cambs	Port Meadow	SP4908	M Oxfordshire
Marston Sewage Treatment Works	SK9042	S Lincolnshire	Portavo Lake	J5582	L Down
Martin Mere	SD4105	L Lancashire	Portsmouth Harbour	SU6204	E Hampshire
Martin's Pond	SK5240	L Notts	Portworth Mica Dam	SX5660	P Devon
Marton Mere	SD3435	L Lancashire	Possil Loch	NS5870	L Strathclyde
Masham Gravel Pits	SE2182	P N Yorkshire	Pugneys Country Park Lakes	SE3317	P W Yorkshire
Meadow Lane Gravel Pits	TL3270	P Cambs	Queen Elizabeth II Reservoir	TQ1167	R Surrey
Medway Estuary	TQ8471	E Kent	Quorn Lodge Far Borrow Pits	SK5518	L Leicestershire
Mere Sands Wood	SD4415	L Lancashire	Queen Mary Reservoir	TQ0769	R Surrey
Merryton Ponds	NS7654	L Strathclyde	Queen Mother Reservoir	TQ0076	R Berkshire
Mersey Estuary	SJ4578	E Cheshire	Ramsbury Lake	SU2671	L Wiltshire
Mickleton Ings	SE4027	L W Yorkshire	Ranworth & Cockshoot Broads	TG2515	L Norfolk
Middle Yare Marshes	TG3504	M Norfolk	Ravensthorpe Reservoir	SP6770	R Northants
Middle Tame Valley Gravel Pits	SP2096	P Staffordshire, Warwickshire	Red Point to Port Henderson	NG7470	O Highland
Milldam & Balfour Mains Pools	HY4817	L Orkney	Revesby Reservoir	TF3067	R Lincolnshire
Minsmere	TM4666	L Suffolk	Rhunahaorine	NR7049	N Argyll
Monach Isles	NF6262	O Western Isles	Ribble Estuary	SD3825	E Lancashire
Monikie Reservoir	NO5038	R Tayside	Ringstead Gravel Pits	SP9775	P Northants
Monlough	J3964	L Down	R Arrow/R Lugg Floodplain	SO5057	R Hereford & Worcester
Montrose Basin	NO6958	E Tayside	R Avon: Britford Water Meadows	SU1628	M Wiltshire
Moorgreen Reservoir	SK4849	R Notts	R Avon: Fordingbridge - Ringwood	SU1510	M Hampshire
Moray Coast	NJ3067	O Grampian	R Avon: Ringwood - Christchurch	SZ1499	M Hampshire
Moray Firth	NI8060	E Highland	R Avon: Salisbury to Fordingbridge	SU1721	V Wiltshire
Morecambe Bay	SD4070	E Lancashire, Cumbria	River Avon: West Amesbury	SU1541	V Wiltshire
Munlochy Bay	NH6752	E Highland	River Cam: Kingfishers Bridge	TL5473	V Cambs
Nafferton Mere	TA0558	L Humberside	River Clyde: Carstairs Junction	NS9744	V Strathclyde
NE Glamorgan Moorland Pools	SO0808	L Glamorgan	River Clyde: The Meetings	NS9744	V Strathclyde
Nene Washes	TF3300	M Cambs	River Clyde: Lamington	NS9833	V Strathclyde
Netherfield Gravel Pits	SK6339	P Notts	River Derwent: Chatsworth	SK2569	V Derbyshire
New Road Pits	TII549	P Bedfordshire	R Eamont & Eden: Honeypot - E'fall	NY5631	V Cumbria
Newark Bay	ND4689	O Orkney	R Eamont: Watersmeet - Pooley Br	NY5329	V Cumbria
Newgate Beach	SM8421	O Dyfed	R Eden & Eamont Confluence	NY5830	V Cumbria
Newtown Estuary	SZ4291	E Isle of Wight	River Earn: Millands Marsh & Floods	NN9917	V Tayside
Nigg Bay to Cove Bay	NJ9602	O Grampian	R Forth: W Carse Farm - R Teith	NS7693	V Central
Nocton/Dunston Fens	TF1065	M Lincolnshire	River Foyle: Grange	C3606	V Tyrone
North Sutherland	NC5060	H Highland	River Frome: Wareham to Wool	SY8487	V Dorset
North Killingholme Haven Pits	TA1619	P Humberside	R Hull: Riverhead-Whinbill	TA0356	V Humberside
North Mainland Orkney	HY2915	O Orkney	River Idle: Bawtry to Miserton	SK7195	V Notts
			River Irwell		V Greater Manchester
			River Lagan: Flatfield	J1961	V Down

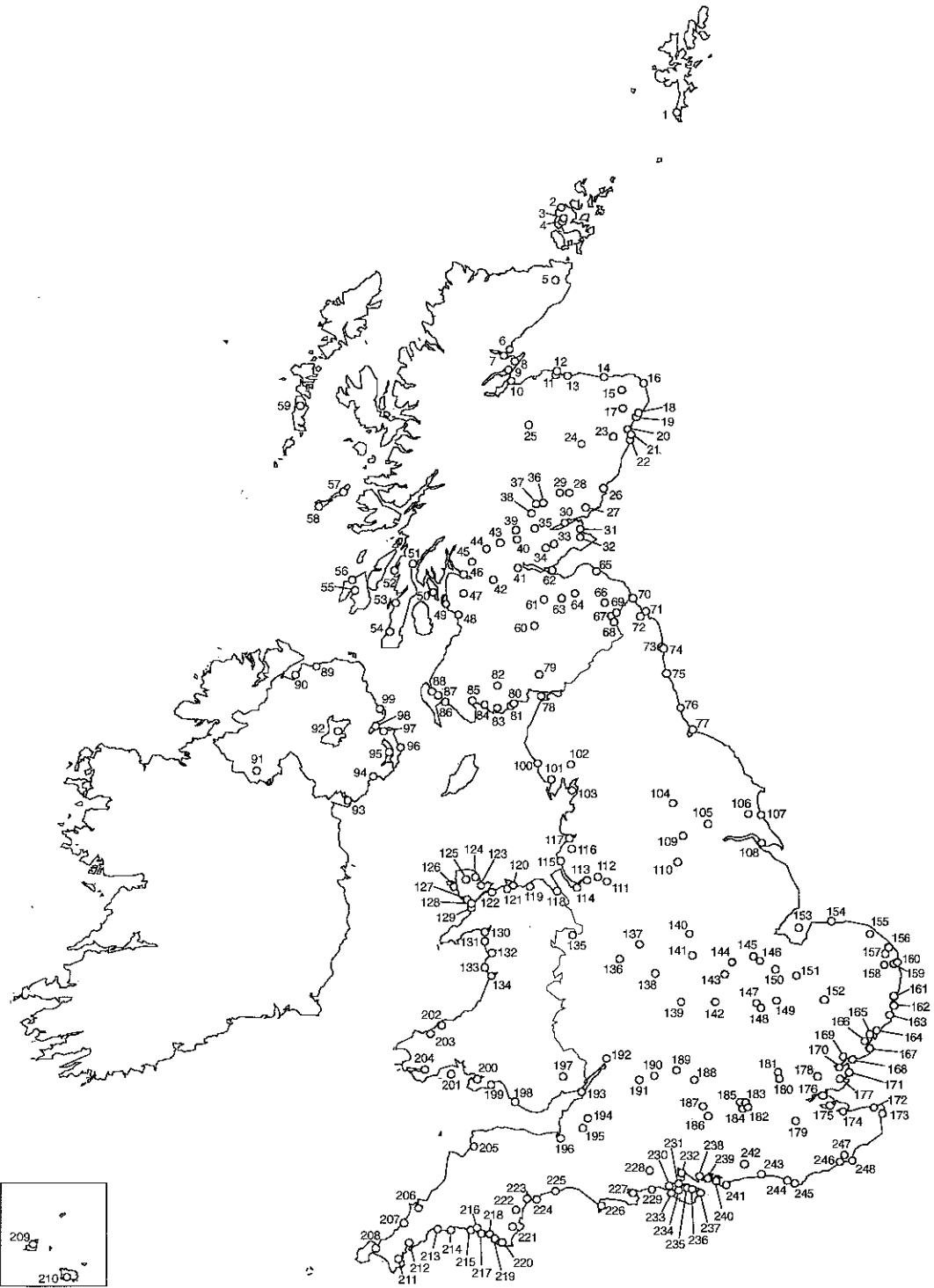
Site	I km sq	H County	Site	I km sq	H County
River Nith: Keltonbank to Nutholm	NX9774	V Dumfries & Galloway	South Iver Gravel Pits	TQ0377	P Bucks
River Severn/River Vyrnwy Conf	SJ3215	V Shropshire	South Ford	NF7747	O Western Isles
River Soar: Leicester	SK5805	V Leicestershire	South Milton Ley	SX6842	M Devon
River Spey: Boat of Ballieborth	NH9922	V Highland	South Down	J5036	O Down
River Tame (Manchester)		V Greater Manchester	Southampton Water	SU4507	E Hampshire
River Tay: Dunkeld	NO0042	V Tayside	Southern Yell Sound	HU4081	O Shetland
River Tay: Scone	NO1026	V Tayside	Southill Lake	TL1443	L Bedfordshire
R. Test: Fullerton to Stockbridge	SU3535	V Hampshire	Spade Oak Gravel Pit	SU8887	P Bucks
R. Teviot: Kalemouth to Roxburgh	NT7030	V Borders	Spey Mouth	NJ3465	E Grampian
R. Teviot: Nisbet to Kalemouth	NT6925	V Borders	Sprotbrough Flash	SE5300	L S Yorkshire
River Thames: Putney to Barnes	TQ2376	E Greater London	St Benets Levels	TG3815	M Norfolk
River Thames: Roding to Beam	TQ4781	E Greater London	St Mary's Island	NZ3475	O N'th'aberland
R. Thames: Lea - R'ding/Royal Docks	TQ4279	E Greater London	St Andrews Bay	NO5121	O Fife
R. Trent: Shelford M'r - Burton J'ce	SK6743	V Notts	St Johns Loch	ND2272	L Highland
R Tweed: Kelso to Coldstream	NT7737	V Borders	Staines Moor Gravel Pits	TQ0373	P Surrey
River Tweed: Magdalenehall	NT6331	V Borders	Staines Reservoir	TQ0575	R Surrey
River Tweed: Rutherford	NT6431	V Borders	Stainhill Reservoir	TQ1269	R Gtr London
River Usk: Pencelli	SO0925	R Powys	Stanford Training Area	TL8695	L Norfolk
R Wear: McNeile Bottom	NZ1232	V Durham	Stanford Reservoir	SP6080	R Leicestershire
R Wensum: F'kh'm to G't Ryburgh	TF9428	V Norfolk	Stanwick Gravel Pits	SP9772	P Northants
River Wye: Bakewell to Haddon	SK2366	V Derbyshire	Stockgrove Country Park	SP9229	L Bedfordshire
River Wye: Putson	SO5138	V Hereford	Stodmarsh & Collards Lagoon	TR2061	L Kent
Roadford Reservoir	SS4427	R Devon	Stoke Newington Reservoirs	TQ3287	R Gtr London
Rodbourne Sewage Works	SU1385	S Wiltshire	Stour Estuary	TM1732	E Essex, Suffolk
Rostherne Mere	SJ7484	L Cheshire	Strangford Lough	J5560	E Down
Rough Firth	NX8453	E Dumfries & Galloway	Stranraer Lochs	NX1161	L Dumfries & Galloway
Rufford Lake	SK6465	L Notts	Stratfield Saye	SU6759	R Hampshire
Rutherford	NT6431	V Borders	Stratfield Saye	SU7061	L Hampshire
Rutland Water	SK9207	R Leicestershire	Strathearn	NN8819	N Tayside
Ryde Pier to Puckpool Point	SZ6092	O Isles of Wight	Strinesdale	SD9506	R Greater Manchester
Rye Harbour/Pett Level	TQ9418	E East Sussex	Studland Bay	SZ0383	O Dorset
S Muskharn & N Newark GPs	SK7956	P Notts	Sullom Voe	HU3773	O Shetland
Salford Docks	SJ8097	C Greater Manchester	Summerleaze Gravel Pits	SU8982	P Berkshire
Sandbach Flashes	SJ7259	L Cheshire	Summerston	NS5771	V Strathclyde
Scapa Flow	HY4000	O Orkney	Sutton/Lound Gravel Pits	SK6985	P Notts
Scolt Head	TF8046	E Norfolk	Swale Estuary	TQ9765	E Kent
SE Deerness	HY5606	N Orkney	Swanbourne Lake	TQ0108	L West Sussex
SE Stronsay	HY6822	N Orkney	Swanholme Lake	SK9468	L Lincolnshire
Seahouses to Budle Point	NU2231	O N'th'mberland	Swanpool (Falmouth)	SW8031	L Cornwall
Seamer Road Mere	TA0386	L N Yorkshire	Swansea Bay	SS6391	O Glamorgan
Seaton Gravel Pits	TR2258	P Kent	Swillington Ings	SE3828	P W Yorkshire
Sennowe Park Lakes	TF9825	L Norfolk	Swinsty Reservoir	SE1953	R N Yorkshire
Severn Estuary	ST5058	E Glos, Avon, Somerset, Gwent, Mid Glam, S Glam	Swithland Reservoir	SK5513	R Leicestershire
Shaftesbury Lake	SU1783	L Wiltshire	Tabley Mere	SJ7276	L Cheshire
Shell Pond (Carrington)	SJ7591	L Greater Manchester	Tamar Complex	SX4363	E Devon, Cornwall
Shipton-on-Cherwell Quarry	SP4717	P Oxfordshire	Tattershall Pits	TF2057	P Lincolnshire
Shrigley Lake	J518544	L Down	Taw/Torridge Estuary	SS4733	E Devon
Shustoke Reservoir	SP2391	R Warwickshire	Tay Estuary	NO3225	E Fife, Tayside
Singleton Lake	TQ9942	L Kent	Tay/Isla Valley	NO1438	L Tayside
Skelton Lake	SE3430	L W Yorkshire	Tees Estuary	NZ5528	E Cleveland
Skinflats	NS9284	E Central	Teifi Estuary	SN1647	E Dyfed
Slains Lochs	NK0230	L Grampian	Teign Estuary	SX8772	E Devon
Slamannan Plateau	NS8474	N Central	Temple Water	J5750	L Down
Slapton Ley	SX8243	L Devon	Testwood Lakes	SU3514	L Hampshire
Snettisham	TF6535	E Norfolk	Thames Estuary	TQ7880	E Kent, Essex, Gtr London
Solway Estuary	NY1060	E Cumbria	Thanet Coast	TR2669	O Kent
Somerset Levels	ST4040	M Somerset	Thatcham Marsh Gravel Pits	SU5066	P Berkshire
Sonning Gravel Pits	SU7475	P Oxfordshire	Theale Gravel Pits	SU6570	P Berkshire
Sound of Tarransay	NG0498	O Western Isles	Thompson Water	TL9194	L Norfolk
Sound of Harris	NF9788	O Western Isles	Thoresby Lake	SK6370	L Notts
South Stoke	TQ0210	V West Sussex	Thorpe Water Park	TQ0268	P Surrey
South Uist	NF8032	N Western Isles	Thrapston Gravel Pit	SP9979	P Northants
South Walls	ND3089	N Orkney	Threve Estate	NX7362	V Dumfries & Galloway
South West Lancashire	SD4015	N Lancashire	Threipmuir & Harlaw Reservoirs	NT1764	R Lothian
South Westray	HY4646	N Orkney	Thursley Lake	SU9239	L Surrey
			Timbsbury Gravel Pits	SU3624	P Hampshire
			Tiree	NL9741	N Strathclyde
			Tophill Low Reservoirs	TA0748	R Humberside
			Tottenham Gravel Pits	TF6311	P Norfolk
			Traeth Coch	SH5480	E Anglesey
			Traig Luskentyre	NG0798	E Western Isles

<b>Site</b>	<b>I km sq</b>	<b>H County</b>	<b>Site</b>	<b>I km sq</b>	<b>H County</b>
Traighear	NF8276	N Western Isles	West Water Reservoir	NT1252	R Borders
Trent Valley Pit	SK4630	P Leicestershire	Westfield Marshes	ND0664	M Highland
Tring Reservoirs	SP9113	R Hertfordshire	Westport Lake	SJ8550	L Staffordshire
Trinity Broads	TG4614	L Norfolk	Whisby Gravel Pits	SK9167	P Lincolnshire
Tullynagge Lough	J4763	L Down	Whiteness to Scarvister	HU4335	Shetland
Tundry Pond	SU7752	L Hampshire	Whitlingham Country Park	TL2508	L Norfolk
Tweed Estuary	NT9853	E N'th'mberland	Whittleford Gravel Pits	TL4649	P Cambs
Twyford Gravel Pits	SU7875	P Berkshire	Whitton Loch	NT7419	L Borders
Tyne Estuary	NZ2464	E Tyne & Wear	Wicken Fen	TL5570	L Cambs
Tynningham Estuary	NT6379	E Lothian	Widewall Bay	ND4292	O Orkney
Tyrella Shore	J4735	O Down	Wigtown Bay	NX4456	E Dumfries & Galloway
Tyttenhanger Gravel Pits	TL1804	P Hertfordshire	Wilderness Pond	SS8277	L Glamorgan
Upper Cowgill Reservoir	NT0029	R Strathclyde	Willen Lake	SP8741	R Bucks
Upper Loch Torridon	NG8955	L Highland	William Girling Reservoir	TQ3694	R Gtr London
Upper Lough Erne	H3231	L Fermanagh	Windermere	SD3995	L Cumbria
Upper Quoile River	J4745	V Down	Wintersett Country Park Lake	SE3716	P W Yorkshire
Upper Tay	NN9557	N Tayside	Woburn Park Lakes	SP9632	L Bedfordshire
Upton Warren LNR	SO9367	L Hereford	Wollaton Park Lake	SK5238	L
Valentines Park	TQ4387	L Essex	Nottinghamshire		
Virginia Water	SU9769	L Berkshire	Woodford River	SJ6588	V Fermanagh
Walland Marsh	TQ9824	M Kent	Woolston Eyes	SE3403	P Cheshire
Walmore Common	SO7425	M Glos	Worsborough Reservoir		R Greater Manchester
Walthamstow Reservoir	TQ3589	R Gtr London	Wraysbury Gravel Pits	TQ0073	P Berkshire
Walton Lock	SJ6086	C Cheshire	Wraysbury Reservoir	TQ0274	R Surrey
Wanstead Park Ponds	TQ4187	L Gtr London	Wynyard Lake	NZ4224	L Cleveland
Wantsum Marshes	TR2366	M Kent	Yar Estuary	SZ3588	E Isle of Wight
Wash	TF5540	E Lincolnshire, Norfolk	Yarnton Gravel Pits	SP4710	P Oxfordshire
Water Sound	ND4394	O Orkney	Yarwell Gravel Pits	TL0797	P Northants
Weirwood Reservoir	TQ3934	R Sussex	Yealm Estuary	SX5449	E Devon
Wellington Country Park	SU7362	L Hampshire	Ythan Estuary	NK0026	E Grampian
Wellington Gravel Pits	SO5047	P Hereford & Worcs	Ythan to Collieston	NK0226	O Grampian
Wemyss Bay to Fairlie	NS2059	O Strathclyde			
West Freugh	NX1055	N Dumfries & Galloway			

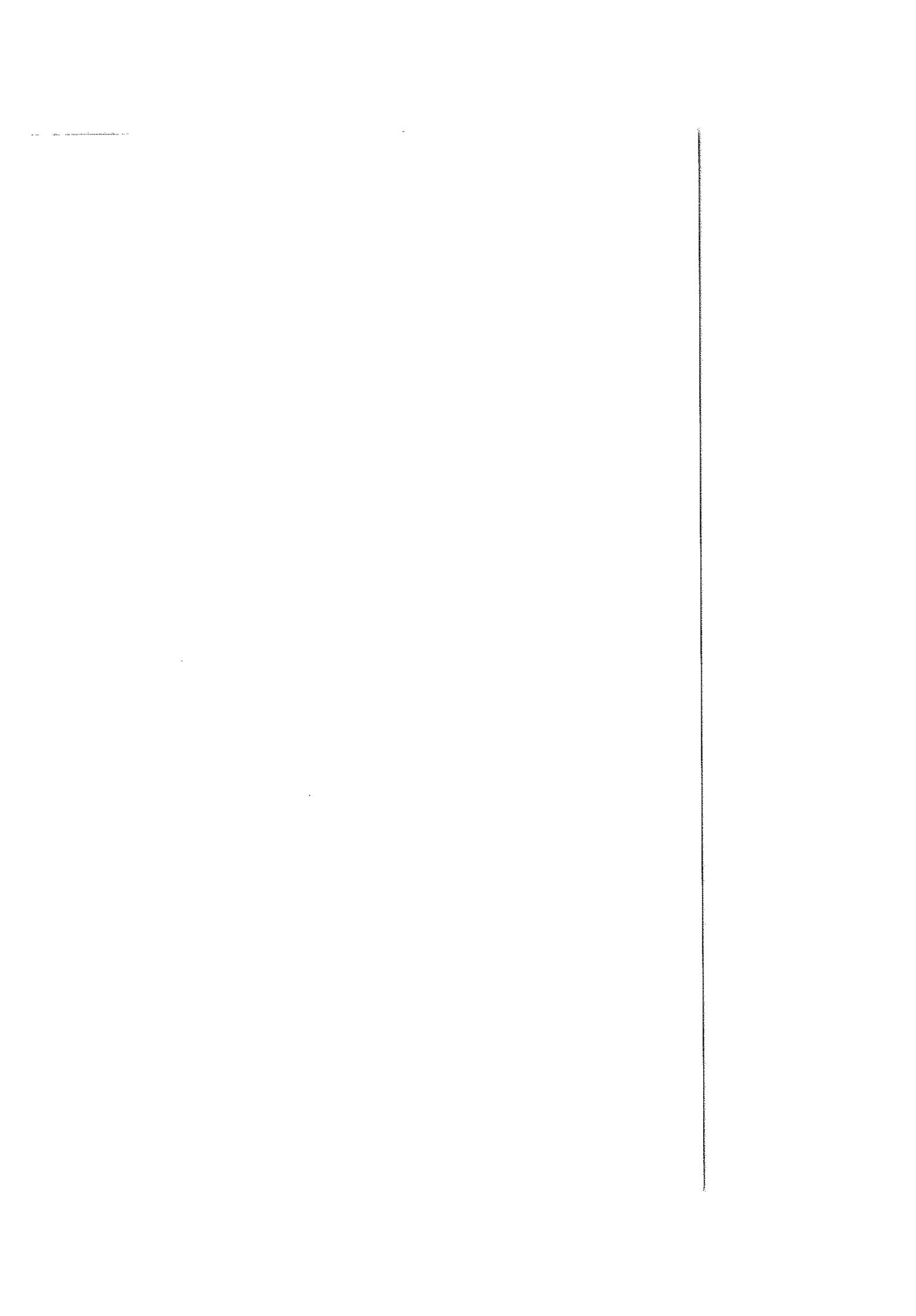
**Key to Figure A1**

Abberton Reservoir	169	Deben Estuary	164	Lackford Gravel Pits	152	Ouse Washes	151
Adur Estuary	243	Dee (Eng/Wal) Estuary	118	Lake of Menteith	44	Outer Ards Shoreline	96
Alaw Reservoir	125	Deeping St James GPs	22	Langstone Harbour	239	Pagham Harbour	241
Alde Complex	163	Dengie Flats	146	Larne Lough	99	Pegwell Bay	173
Alnmouth	73	Deveron Estuary	171	Lavan Sands	122	Pitsford Reservoir	142
Alt Estuary	115	Dinnet Lochs	14	Lindisfarne	71	Plym Estuary	216
Arro Estuary	131	Don Estuary	24	Little Paxton GPs	148	Poole Harbour	227
Attenborough GPs	140	Dorchester Gravel Pits	21	Llandegedd Reservoir	197	Portsmouth Harbour	238
Auchencairn Bay	81	Dornoch Firth	188	Loch Clunie	36	Pulborough/Amberley	
Avon Estuary	219	Draycote Water	7	Loch Drudibeg	59	Brooks	242
Axe Estuary	225	Drummond Pond	139	Loch Eye	8	Queen Mary Reservoir	182
Ballo Reservoir	33	Duddon Estuary	39	Loch Fleet	6	Red Wharf Bay	123
Bann Estuary	89	Dulas Bay	101	Loch Garten	25	Rhunahaarine	53
Baston/Langtoft GPs	145	Dundrum Bay	124	Loch Gilp	51	Ribble Estuary	117
Beaulieu Estuary	231	Dungeness Gravel Pits	94	Loch Gruinart	56	R Tweed: Kelso to	
Belfast Lough	98	Dupplin Lochs	248	Loch Indaal	55	Coldstream	67
Belvide Reservoir	136	Durham Coast	35	Loch Ken	82	Rostherne Mere	111
Berney Marshes	159	Dyfi Estuary	76	Loch Leven	34	Rough Firth	80
Black & White Lochs (Loch Inch)	87	Dysynni Estuary	134	Loch Lomond: Endrick Mouth	45	Rutland Water	144
Blackwater Estuary	170	Eden Estuary	31	Loch Mahaick Doune	43	Rye Harbour/Pett Levels	246
Blagdon Lake	195	Ellesmere Group	135	Loch na Cille	52	Sevenoaks Wildfowl Reserve	
Blithfield Reservoir	137	Erme Estuary	218	Loch of Boardhouse	2	Severn Estuary	179
Blyth (Northumberland) Estuary	75	Ese Estuary	223	Loch of Harray	3	Solway Estuary	193
Blyth (Suffolk) Estuary	161	Eyebrook Reservoir	143	Loch of Lintrathen	29	Solway Estuary	78
Brading Harbour	237	Fairburn Ings	109	Loch of Skene	23	Somerset Levels	196
Braint Estuary	128	Fal Complex	212	Loch of Spiggie	1	Southampton Water	232
Breydon Water	160	Fala Flow	64	Loch of Stenness	4	Spey Estuary	13
Burry Inlet	200	Fedderate Reservoir	15	Loch of Strathbeg	16	St Benets Levels	157
Camel Estuary	206	Fen Drayton Gravel Pit	149	Loch of the Lowes	37	Staines Reservoir	183
Cameron Reservoir	32	Fiddlers Ferry Lagoons	113	Loch Quen	50	Stour Estuary	166
Carlingford Lough	93	Fleet Bay	84	Loch Ryan	88	Strangford Lough	95
Carmarthen Bay	201	Fleet/Wey	226	Loch Spynie	11	Stratfield Saye	186
Carrow Valley Reservoir	41	Fordy Bay	62	Loch Tullybelton	38	Swale Estuary	174
Carsebreck & Rhynod Lochs	40	Fowey Estuary	129	Loch Watten	5	Swansea Bay	199
Castle Lo. (Lochmaben)	79	Gadloch	213	Looe Estuary	214	Swithland Reservoir	141
Castle Semple & Barr		Gannel Estuary	42	Lossie Estuary	12	Tamar Complex	215
Castle Semple & Barr Lochs	47	Gladhouse Reservoir	207	Lough Foyle	90	Taw/Torridge Estuary	205
Cefni Estuary	127	Gladhouse Reservoir	63	Loughs Neagh & Beg	92	Tay Estuary	30
Cheshunt Gravel Pits	181	Graham Water	147	Lower Derwent Valley	105	Tees Estuary	77
Chew Valley Lake	194	Guernsey Shore	209	Lower Windrush Valley		Teifi Estuary	202
Chichester Harbour	240	Guntown Park	155	GPs	189	Teign Estuary	222
Christchurch Harbour	229	Haddo House Lakes	17	Luce Bay	86	Thames Estuary	176
Claudebole Lake	97	Hamford Water	167	Machrihanish	54	Thanet Coast	172
Cleddau Estuary	204	Hanningfield Reservoir	178	Martin Mere	116	The Wash	153
Clwyd Estuary	119	Hay-a-Park Gravel Pits	104	Mawddach Estuary	132	Theale Gravel Pits	187
Coll	57	Hayle Estuary	208	Medina Estuary	235	Thorpe Water Park	184
Colne Estuary	168	Helford Estuary	211	Medway Estuary	175	Tiree	58
Colwyn Bay	120	Hickling Broad	156	Meikle Loch Slains	19	Tophill Low Reservoirs	106
Conwy Estuary	121	Hirsel Lake	69	Mersey Estuary	114	Traeth Bach	130
Coquet Estuary	74	Holborn Moss	72	Mid Avon Valley	228	Tweed Estuary	70
Corby Loch	20	Hornsea Mere	107	Middle Tame Valley		Tynningham Estuary	65
Cotswold Water Park East	190	Hoselaw Loch	68	GPs	138	Upper Lough Erne	91
Cotswold Water Park West	191	Hule Moss	66	Middle Yare Marshes	158	Walland Marsh	247
Cowgill Reservoirs	60	Humber Estuary	108	Minsmere	162	Walmore Common	192
Cromarty Firth	9	Hunterston Estuary	49	Montrose Basin	26	Wath & Broomhill Ings	110
Crombie Reservoir	27	Jersey Shore	210	Morecambe Bay	103	West Water Reservoir	61
Crouch/Roach Estuary	177	King George V Res	180	Nene Washes	150	Wigtown Bay	85
Cuckmere Estuary	245	Kingsbridge Estuary	220	Nevern Estuary	203	Windermere	102
Dart Estuary	221	Kinnordy Loch	28	Newhaven Estuary	244	Woolston Eyes	112
		Kirkcudbright Bay	83	North Norfolk Coast	234	Wootton Estuary	236
				North-West Solent	154	Wraysbury Gravel Pits	185
				Ogmore Estuary	198	Yar Estuary	233
				Orwell Estuary	165	Yealm Estuary	217
				Otter Estuary	224	Ythan Estuary	18

**Figure A1.** Location of important WeBS sites. Circles show the central position of 248 key WeBS sites, including all estuaries, in the UK and the Channel Islands. Sites chosen include most internationally important sites, but also sites of regional importance in areas with few wetlands or few sites counted by WeBS. Thus, inclusion of a site does not imply any measure of relative conservation importance.









British Trust for Ornithology



WWT



RSPB



WeBS is the monitoring scheme for non-breeding waterbirds in the UK which aims to provide the principal data for the conservation of their populations and wetland habitats. The data collected are used to assess the size of waterbird populations, determine trends in numbers and distribution, and assess the importance of individual sites for waterbirds, in line with the requirements of international conservation Conventions and Directives. A programme of research underpins and enhances these objectives.

Continuing a tradition begun in 1947, around 3,000 volunteer counters participate in synchronised monthly counts at wetlands of all habitat types, mainly during the winter period. WeBS is a partnership between the British Trust for Ornithology, The Wildfowl & Wetlands Trust, Royal Society for the Protection of Birds and the Joint Nature Conservation Committee (the last on behalf of English Nature, Scottish Natural Heritage, the Countryside Council for Wales and the Environment and Heritage Service in Northern Ireland).

This report presents the results of WeBS in 1998-99 and includes data from other national and local waterbird monitoring schemes. It provides a single, comprehensive source of information on the current status and distribution of waterbirds in the UK for those interested in the conservation of the populations of these species and the wetland sites they use.

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