BREEDING WADERS IN EUROPE

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Breeding Waders in Europe is a comprehensive review of population size estimates of all the Palearctic wader (Charadrii) species breeding in the greater part of Europe (Iceland, Faroes, Norway, Sweden, Finland, Denmark, Poland, Czechoslovakia, Hungary, Austria, Switzerland, East and West Germany, The Netherlands, Belgium, Luxembourg, Great Britain, Ireland, France, north-east Spain and Portugal), together with Svalbard, north and east Greenland and Ellesmere Island. The areas given detailed coverage are shown in Figure 1.

In view of the many threats to breeding populations of waders in Europe (see Pienkowski et al. this volume), it would be valuable to place the breeding populations of waders in any area in context in a similar way to that now possible for wintering waders. Although there are a large number of studies on breeding waders, this material is spread through an immense number of published (and unpublished) sources in many languages. In late 1982 the Wader Study Group decided that, with its spread of members throughout Europe (as well as elsewhere), it could draw together available information and identify gaps where further work is needed.

Breeding Waders in Europe has been compiled by Theunis Piersma, on behalf of the Wader Study Group. The review is based on published sources and on the results of the most recent surveys, supplied as unpublished material by national correspondents. A total of 37 wader species are

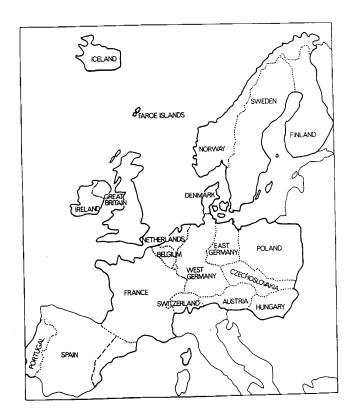


Figure 1. The parts of Europe (within the thick border-lines) given detailed coverage in Breeding Waders in Europe.

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Breeding Waders in Europe

A Review of Population Size Estimates and a Bibliography of Information Sources







included. Together they give a total of 6.5 million breeding wader pairs in Europe and a further 100 000 pairs in Svalbard, Greenland and Ellesmere Island. Species' totals range from 30 pairs (Terek Sandpiper Tringa terek) to 869 000 pairs (Lapwing Vanellus vanellus). Population sizes are summarised in Table 1. The completeness and accuracy of the surveys in the different countries varies greatly. For each species an annotated map, summarising the numerical distribution of breeding pairs over Europe, is given.

In addition to the population size estimates, Breeding Waders in Europe lists all published sources on which the estimates are based, and aims also to list all the recent (from 1950 onwards) publications on the breeding biology of waders in Europe. The bibliography consists of 3356 entries: 326 for breeding biology studies of general interest, 887 for species-specific studies and 2143 for publications on breeding wader surveys, listed by country.

Breeding Waders in Europe has highlighted the gaps in the current knowledge of the distribution and size of European breeding wader populations. This is intended to stimulate and focus future, work on breeding waders both in the areas covered by this review, and elsewhere in Europe.

Breeding Waders in Europe was published as a Supplement to Wader Study Group Bulletin 48, in December 1986, and is 116 pages long. Copies are available from Wader Study Group, c/o Dr. S.R.Baillie, 8 Little London, Whitchurch, nr. Aylesbury, Bucks. HP22 4LE, U.K., price £5 including postage and packing.

Table 1. Estimated total numbers of pairs of breeding waders in Europe, and north and east Greenland and Ellesmere Island. Ranges of total numbers are given for each subspecies; the mid-points of ranges in numbers are given for each species.

	range of	midpoint of range range of Greenland and	
	total numbers	Ellesmere Island	Europe
Oystercatcher	211 000-224 000	. -	218 000
Black-winged Stilt	1 900- 4 700	-	3 300
Avocet	19 000- 19 700	-	19 300
Stone Curlew Collared Pratincole	6 500- 20 500	_	13 500
Little Ringed Plover	550- 1 350 16 900- 28 000		950 22 500
Ringed Plover	10 300 20 000	25 000	90 000
high arctic hiaticula	25 000~ 26 000	25 555	30 000
subarctic <i>hiaticula</i>	30 000- 50 000		
temperate <i>hiaticula</i>	12 500- 13 800		
tundrae	36 500- 36 500		
Kentish Plover	6 400- 9 600	_	8 000
Dotterel Golden Plover	36 400- 36 500	100	36 500
Lapwing	847 000-891 000	100	609 000 869 000
Knot	-	20 000	-
Sanderling	-	17 000	=
Little Stint	200- 210	_	205
Temminck's Stint	-	_	25 400
Purple Sandpiper		>100	66 100
"littoralis"	52 000- 56 000		
maritima	12 500- 12 500		
Dunlin arctica	E 000 E 000	5 000	366 000
subarctic <i>schinzii</i>	5 000- 5 000 300 000-300 000		
temperate schinzii	11 100- 11 100		
alpina	55 000- 55 000		
Broad-billed Sandpiper	10 200- 11 200	·	10 700
Ruff	-	_	247 000
Jack Snipe	_	_	28 100
Snipe		-	841 000
faeroeensis	301 000-301 000		
gallinago	530 000-539 000		
Great Snipe Woodcock	2 900- 4 000	_	3 500
Black-tailed Godwit	328 000-366 000	<u>-</u>	347 000
islandica	10 000- 30 000	_	133 000
limosa	102 000-123 000		
Bar-tailed Godwit	_	-	1 500
Whimbrel		_	248 000
"islandicus"	203 000-203 000		
phaeopus	45 000- 45 000		
Curlew	122 000-128 000	~	125 000
Spotted Redshank	-	-	45 000
Redshank robusta	100 000 100 000	-	268 000
totanus	100 000-100 000 164 000-172 000		
Greenshank	104 000-172 000	_	109 000
Green Sandpiper	-	-	133 000
Wood Sandpiper	-	-	577 000
Common Sandpiper	_	_	882 000
Terek Sandpiper	-	-	30
Turnstone		25 000	18 500
high arctic interpres	25 000- 25 000		
Fennoscandian interpres	18 500- 18 500		,
Red-necked Phalarope	125 000-175 000	>100	150 000
Grey Phalarope	350- 500	>100	. 330
TOTAL		c.93 000	c.6 500 000
		2.23 000	2.5 300 000