

1991 RINGING TOTALS

By Robin M. Ward

Tables 1 & 2 list the ringing totals listings that we have received for the period January to December 1991 inclusive. The nomenclature and systematic order used in the tables follow Hayman *et al* (1986). Totals given in parentheses are for chicks, where these were reported separately from fully grown birds. Contributions to the annual ringing totals listings are currently declining from Britain where as a more completely picture is being established for the rest of Europe. For Britain and Europe the listings are very much providing an indication of both the species and numbers of waders being ringed. However, this has yet to be attained for other parts of the world, most notably, North America. We would like to encourage all members worldwide who catch and ring waders to send us their ringing totals enabling us to present the global picture.

Table 1. Reported totals of waders ringed in Europe between January and December 1991

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P |
|-------------------------------|---------|----|-----|----|----|----|--------|--------|-----|--------|--------|-----|---------|------|------|--------|
| <i>Haematopus ostralegus</i> | | | | | | | | | | 4(101) | (54) | 9 | | | 1 | |
| <i>Vanellus vanellus</i> | | | | | | | 4(14) | (8) | | (90) | (133) | | 52(504) | (46) | (18) | (43) |
| <i>Pluvialis apricaria</i> | 4(7) | 4 | 3 | | | | | | | (11) | (4) | | | (6) | | |
| <i>Pluvialis fulva</i> | | | | | | | | | | 1 | | 33 | | | | |
| <i>Pluvialis squatarola</i> | 6(14) | 16 | 14 | | | | | | | 9(39) | 47(2) | 150 | | | 115 | |
| <i>Charadrius hiaticula</i> | (1) | | 19 | | | | | | | | (28) | | | | | |
| <i>Charadrius morinellus</i> | | | | | | | | | (3) | | | | | | | |
| <i>Limosa limosa</i> | | | | | | | | | | | | | | | | |
| <i>Numenius phaeopus</i> | | | | | | | | | | (23) | | | | | | |
| <i>Numenius arquata</i> | | | | | | | | | | (33) | (11) | | | (4) | | |
| <i>Tringa totanus</i> | | | | | | | | (2) | | 19(34) | 81(2) | | (9) | | (5) | 12(57) |
| <i>Actitis hypoleucos</i> | | | | | | | | | | (5) | (25) | | | | | |
| <i>Arenaria interpres</i> | 3(4) | 31 | 1 | | | | | | 2 | 2 | 59 | 26 | | | 42 | |
| <i>Phalaropus fuscicarius</i> | | | 1 | | | | | | | | | | | | | |
| <i>Scolopax rusticola</i> | | | | | 38 | | | | | 2 | 1 | | | | | |
| <i>Gallinago gallinago</i> | | | | | | | | 10 | (2) | 9(7) | 1(1) | | (9) | (3) | 5 | |
| <i>Lymnocyptes minimus</i> | | | | | | | | 3 | | 5 | | | | | | |
| <i>Calidris canutus</i> | 110(80) | 2 | | 11 | | | | | | 2 | 1 | 7 | | | | |
| <i>Calidris alba</i> | 40(101) | 16 | | 1 | | | | | | 2 | 6 | 24 | | 7 | 40 | |
| <i>Calidris minuta</i> | 70(124) | 20 | 144 | | | | | | | | | | | | | |
| <i>Calidris temminckii</i> | 1(4) | | | | | | | | | | | | | | | |
| <i>Calidris temminckii</i> | | | | 1 | | 1 | | | | 2 | 6(4) | 100 | | | 1 | |
| <i>Calidris maritima</i> | | 1 | 5 | | | 16 | 17(35) | 39(40) | | 71(3) | 569(3) | | | | 362 | |
| <i>Calidris alpina</i> | 31(45) | 29 | 10 | | | | | | 2 | | | | | | | |
| <i>Calidris ferruginea</i> | | | | | | | | | | | | | | | | |



Table 1. (continued).

| | Q | R | S | T | U | V | W | X | Y | Z | A1 | B1 | C1 | D1 | E1 | F1 |
|--------------------------------|-----|-------|-----|------|-----|------|--------|------|-----|----|-----|------|------|------|----|---------|
| <i>Haematopus ostralegus</i> | 134 | | 2 | 483 | 4 | | 4(14) | (17) | | | | 2 | | 9 | | 14(63) |
| <i>Recurvirostra avosetta</i> | | | | | | | 2 | (18) | | | | | | 2 | | 79(322) |
| <i>Vanellus vanellus</i> | 13 | | | 2 | 3 | 1(5) | 10(12) | (34) | 10 | | 35 | 3 | 5 | 5 | | 1 |
| <i>Pivualix apricaria</i> | | | | 2 | | | 9 | | 14 | | | 173 | 5 | 183 | | 17 |
| <i>Pivualix squatarola</i> | | | | 384 | 2 | 2 | 9(2) | (4) | 15 | | 2 | 70 | 92 | 134 | | 28 |
| <i>Charadrius hiaticula</i> | 56 | | 16 | 95 | 7 | 7(5) | | | | | 35 | 5 | 24 | | | |
| <i>Charadrius dubious</i> | | | | 1 | | | | | | | | | | | | |
| <i>Charadrius alexandrinus</i> | | | | | | | | | 48 | | | | | | | 51(35) |
| <i>Limosa limosa</i> | | | | 5 | | | 3 | | | | | 132 | 19 | 313 | | 29 |
| <i>Limosa lapponica</i> | | | | 103 | 2 | | 1 | | | | | 9 | 1 | 4 | | 58 |
| <i>Numenius phaeopus</i> | | | | 10 | | | 2 | | | | | | | 5 | | 4 |
| <i>Numenius arquata</i> | | | | 155 | | 1 | 9 | | | | | | | 104 | | 1(9) |
| <i>Tringa erythropus</i> | 3 | | | | | | 29 | (1) | 39 | | 8 | 10 | 2 | 1 | | |
| <i>Tringa erythropus</i> | | | 29 | 89 | 42 | | 3 | | 28 | | 9 | 126 | 69 | 21 | | 12 |
| <i>Tringa totanus</i> | 319 | | | 6 | 1 | | 4 | | | | 3 | 2 | 1 | 1 | | |
| <i>Tringa nebularia</i> | | | | | 6 | | | | | | 23 | 2 | 1 | 1 | | |
| <i>Tringa ochropus</i> | | | | | | | | | | | 49 | 2 | 33 | 2 | | |
| <i>Tringa glareola</i> | | | | | | | | | | | 335 | 110 | 76 | 28 | | 15 |
| <i>Actitis hypoleucos</i> | | | | | | | | | 1 | | | 48 | 39 | 13 | | 5 |
| <i>Arenaria interpres</i> | 3 | | | 223 | 2 | | 1 | | | | | 62 | 1 | | | |
| <i>Phalaropus lobatus</i> | | | | | | | | | | | | | | | | |
| <i>Scelopax rusticola</i> | | 19(9) | 3 | | | 2 | | | | | | | | | | |
| <i>Gallinago gallinago</i> | | | | | 8 | 6 | 17 | 4 | 1 | 98 | 33 | 82 | 1 | 90 | 8 | 1 |
| <i>Lymnocyrtus minimus</i> | | | | | 6 | | 1 | | | | | | | 11 | | |
| <i>Calidris canutus</i> | | | 3 | 1083 | | | 2 | | 1 | | 1 | 531 | 121 | 383 | | 182 |
| <i>Calidris alba</i> | | | | | | | 1 | | | | 2 | 55 | 15 | 9 | | |
| <i>Calidris minima</i> | | | 1 | 1 | | | 1 | | 2 | | 32 | 67 | 677 | 25 | 4 | 2 |
| <i>Calidris temnuckii</i> | | | | | | | | | | | 8 | | 121 | | | |
| <i>Calidris alpina</i> | 60 | | 462 | 5314 | 135 | 51 | 565 | | 155 | | 72 | 3441 | 6356 | 2640 | 72 | 907 |
| <i>Limicola fasciellus</i> | | | 1 | 19 | | | 1 | | 5 | | 13 | 172 | 372 | 90 | 2 | 56 |
| <i>Phalaropus pugnax</i> | | | 1 | | | | 1 | | | | 19 | 32 | 79 | 15 | | 1 |



Table 1. (continued).

| | G1 | H1 | I1 | J1 | K1 | L1 | M1 | N1 | O1 | P1 | Q1 | R1 | S1 | T1 | U1 |
|--------------------------------|-----|-------|-------|----|-------|---------|-----|-----|--------|-----|-----|-------|-----|-------|-----|
| <i>Haematopus ostralegus</i> | 141 | 6(18) | | | 1(15) | 247(26) | 20 | | | 14 | | | | | 3 |
| <i>Himantopus himantopus</i> | | | | | | | | | (2) | | | | | | |
| <i>Recurvirostra avosetta</i> | 3 | 1 | 2(28) | 1 | (51) | 46 | | | 2(345) | 4 | 193 | (4) | | | 14 |
| <i>Vanellus vanellus</i> | 14 | | | | | (53) | | | | 23 | 2 | (735) | | | (2) |
| <i>Pluvialis apricaria</i> | 53 | | | | | 28 | 37 | | | 28 | | | | | 25 |
| <i>Pluvialis squatarola</i> | 12 | 28(4) | 1 | 2 | 1 | 6 | 4 | | 4(33) | 12 | | | | | 6 |
| <i>Charadrius hiaticula</i> | | | 2(1) | | | | | | 1(6) | | | | | | |
| <i>Charadrius dubious</i> | | | | 1 | | | | | 13(34) | 2 | | | | 2(10) | 16 |
| <i>Charadrius alexandrinus</i> | | | 3 | 2 | 3(73) | 3(26) | 44 | | | 4 | 1 | (17) | | | |
| <i>Limosa limosa</i> | 80 | | | | | 6 | | | | 33 | | | | | |
| <i>Limosa lapponica</i> | 2 | | | | 13 | 3 | 1 | | | 1 | | | | | |
| <i>Numenius phaeopus</i> | 97 | | | | 1(12) | 9 | 59 | | | 4 | | | | | |
| <i>Numenius arquata</i> | 3 | | 2 | | | 1 | 7 | | | 8 | | | | | |
| <i>Tringa erythropus</i> | 147 | 4 | 4 | 1 | 4(14) | 162(9) | 15 | | 2(34) | 67 | 3 | (40) | | | 1 |
| <i>Tringa totanus</i> | | | | | | | | | | | | | | | 3 |
| <i>Tringa stagnatilis</i> | 20 | | 14 | | 1 | 1 | 18 | | | | | | | | |
| <i>Tringa nebularia</i> | | 3 | 13 | | 1 | | | | | 4 | | | | | |
| <i>Tringa ochropus</i> | | | 26 | | | 2 | | | | | | | | | 4 |
| <i>Tringa glareola</i> | 1 | 1 | 4 | | 2 | 3 | | | | 3 | | | | | 1 |
| <i>Actitis hypoleucos</i> | 12 | 5 | | 1 | | | 1 | 214 | | | | | | | |
| <i>Arenaria interpres</i> | | | | | | | | | | | | | | | |
| <i>Phalaropus lobatus</i> | | | | | | | | | | | | | | | 5 |
| <i>Scolopax rusticola</i> | | 30 | | | | | | | | | | | 909 | | 5 |
| <i>Gallinago gallinago</i> | 2 | 4 | 35 | | 3 | 39 | | | | | 1 | (3) | | | |
| <i>Lymnocyptes minimus</i> | 1 | 3 | 3 | | 9 | | | | | | | | | | |
| <i>Calidris canutus</i> | 31 | 24 | | | | 56 | 20 | 3 | | 29 | | | | | 2 |
| <i>Calidris alba</i> | | 29 | | | | | | 2 | | | | | | | 442 |
| <i>Calidris minuta</i> | | 15 | 5 | | 3 | | 1 | | | 3 | | | | | |
| <i>Calidris maritima</i> | | 43 | | | | | | 53 | | | | | | | |
| <i>Calidris alpina</i> | 663 | 227 | 7 | 14 | 1 | 201 | 691 | 3 | | 288 | | | | | 858 |
| <i>Calidris ferruginea</i> | 6 | 7 | 7 | | | 16 | 1 | | | 4 | | | | | 709 |
| <i>Limicola falcinellus</i> | | | | | | | | | | | | | | | 335 |
| <i>Philomachus pugnax</i> | 1 | 1 | 39 | | 4 | 31 | | | | 80 | 6 | | | | 91 |



Table 1. (continued).

| | V1 | W1 | X1 | Y1 | Z1 | A2 | B2 | C2 | D2 | E2 | F2 | G2 | H2 | I2 | J2 | K2 |
|---------------------------------|-----|-----|-----|------|-----|-----|-------|------|-----|----|-----|---------|---------|--------|----|-----|
| <i>Haematopus ostralegus</i> | | | | | | | | | | | | | | | | 4 |
| <i>Himantopus himantopus</i> | | | | | | (2) | | | | | | | (46) | | | 36 |
| <i>Recurvirostra avosetta</i> | | | | | 3 | (1) | | | 2 | | | | (17) | | | 2 |
| <i>Burhinus oedicnemus</i> | | | 56 | 1 | 3 | | (3) | | 4 | | | | 2 | | | 2 |
| <i>Glareola pratincola</i> | | | | | | | | | | | | | (10) | | | 19 |
| <i>Vanellus vanellus</i> | | (3) | | (2) | | | (138) | | | | | | 26 | | | 19 |
| <i>Pluvialis squatarola</i> | | 1 | | | 1 | | | | 4 | | | | 48 | | | 10 |
| <i>Charadrius hiaticula</i> | | | | | 12 | | | | 4 | | | | 2 | | | 36 |
| <i>Charadrius dubious</i> | (2) | | 3 | 3(1) | 16 | (4) | (4) | (12) | 2 | | | | 48 | | | 36 |
| <i>Charadrius alexandrinus</i> | | | 27 | | 97 | | | | 105 | | (2) | 66(136) | 54(100) | 54(77) | | 85 |
| <i>Charadrius leschenaultii</i> | | | | | | | | | | | | | | | | 1 |
| <i>Limosa limosa</i> | | | | | 21 | | | | 2 | | | | 12 | | | 6 |
| <i>Limosa lapponica</i> | | | | | | | | | 18 | 1 | 3 | | 12 | | 12 | 4 |
| <i>Numenius phaeopus</i> | | | | | 5 | | | | | | | | 12 | | | |
| <i>Numenius arquata</i> | | | | | 4 | | | | 3 | | 1 | | 4 | | 1 | |
| <i>Tringa totanus</i> | | | | | 2 | 3 | | | 1 | | | | 4 | | | |
| <i>Tringa totanus</i> | | | | | 8 | | | | 55 | | | | 68 | | 69 | 532 |
| <i>Tringa stagnatilis</i> | 18 | | 103 | | 2 | | | | 10 | 1 | | | | | | 8 |
| <i>Tringa nebularia</i> | 5 | 1 | 3 | | 2 | 30 | | | | | | | | | | |
| <i>Tringa ochropus</i> | | | | | 5 | | | | | | | | | | | 9 |
| <i>Tringa glereola</i> | 12 | | 5 | 1 | 1 | | | | 4 | | | | 2 | | 2 | 9 |
| <i>Xenus cinereus</i> | | | | | | | | | | | | | | | | 24 |
| <i>Actitis hypoleucos</i> | | | | | | | | | | | | | | | | 24 |
| <i>Arenaria interpres</i> | 1 | | | 3 | 105 | | | | 2 | 24 | 1 | | 3 | | 3 | 5 |
| <i>Phalaropus lobatus</i> | | 2 | | | | | | | 1 | | | | 12 | | 12 | 1 |
| <i>Scolopax rusticola</i> | | | | | | | | | | | | | | | | 5 |
| <i>Gallinago gallinago</i> | | | | | 7 | | | | 7 | | 1 | | 11 | | 21 | 73 |
| <i>Lymnocyptes minimus</i> | | | | | | | | | | | 1 | | 3 | | 6 | |
| <i>Calidris canutus</i> | | | | | 1 | | | | 1 | 7 | | | 27 | | 30 | |
| <i>Calidris alba</i> | | | | | | | | | | | | | | | 1 | 1 |
| <i>Calidris minutilla</i> | | 6 | | | | | | | | | | | 7 | | 5 | 7 |
| <i>Calidris temminckii</i> | 3 | | 8 | 7 | 164 | | | | 68 | | | | | | | 7 |
| <i>Calidris subminckii</i> | | | | | | | | | | | | | | | | 124 |
| <i>Calidris alpina</i> | | | | | | | | | | | | | | | | 2 |
| <i>Calidris ferruginea</i> | | 24 | 77 | 10 | 543 | 1 | | | 180 | 12 | 3 | | 491 | | 43 | |
| <i>Limicola falcinellus</i> | 160 | | 9 | 2 | 47 | | | | 212 | | | | 5 | | 6 | 18 |
| <i>Tryngites subruficollis</i> | 2 | | 1 | | 1 | | | | | | | | | | | |
| <i>Philonachus pugnax</i> | 9 | | 2 | | 378 | 21 | | | 2 | | | | 1 | 1 | | 26 |



Table 1. (continued).

| KEY | | | |
|-----|--|----|---|
| A | International Arctic Expedition, Institute of Evolutionary Animal Morphology & Ecology, Moscow, Russia: N.Taimyr, Siberia. | S | Spurn Bird Observatory, U.K.: Spurn Point, Humberside. |
| B | International Arctic Expedition, Institute of Evolutionary Animal Morphology & Ecology, Moscow, Russia: Pronch'sheva Lake, North-east Taimyr, Siberia. | T | Wash Wader Ringing Group, U.K.: Wash, Lincs./Norfolk. |
| C | P.Chylarecki & W.Kania, Gdansk Ornithological Station, Poland: Pyasina mouth, West Taimyr, Siberia. | U | M.Wright, U.K.: R.Orwell & R.Deben, Suffolk. |
| D | Nordfriesisches Wattenmeer Ringing Group, Germany: Taimyr Peninsula, Siberia. | V | Landguard Ringing Group, U.K.: South-east, Suffolk. |
| E | Office National de la Chasse, France: U.S.S.R.. | W | Catchpole, West & Glazebrook, U.K.: Suffolk coast. |
| F | R.Tiedmann, Institut fur Hanstierkunde, Kiel, Germany: Melrakkasletta, Iceland. | X | M.A.Adcock, U.K.: Foulness, Essex. |
| G | D.Blomqvist & O.C.Johansson, University of Gotenborg, Sweden: Bohuslan & Halland provinces. | Y | Farlington Ringing Group, U.K.: South-east Hampshire. |
| H | M.B.Pedersen, Denmark: Inland wetlands, Western Denmark. | Z | A.Hoodless, Durham University, U.K.: Cornwall & Wiltshire. |
| I | O.Thorup, Denmark: Tipperme Nature Reserve, Ringkobing Fjord. | A1 | V.Vyhnalek <i>et al.</i> , Lednice, Czechoslovak: Muusov & Nesyt. |
| J | Shetland Ringing Group, U.K.: Shetland Islands. | B1 | Waterbird Research Group "Kuling", Poland: Reda mouth & Puck Bay. |
| K | Grampian Ringing Group, U.K.: Grampian region. | C1 | Gdansk Ornithological Station, Poland: Vistula mouth, Gulf of Gdansk. |
| L | P.R.Evans, Durham University, U.K.: Teesmouth, Cleveland. | D1 | U.Brenning <i>et al.</i> , University of Rostock, Germany (East): Isle of Laugenwerder, Wismar-Bight, Western Baltic Sea. |
| M | P.S.Thompson, Durham University, U.K.: Upper Teesdale, Co. Durham & Eden valley, Cumbria. | E1 | J.J.Seeger, Germany: Gulper See. |
| N | T.G.Dewdney, U.K.: Saltburn, Cleveland (adults) & North Yorkshire Moors (pulli). | F1 | Nordfriesisches Wattenmeer Ringing Group, Germany: Waddensea (R. Elbe to the Danish border) |
| O | Morecambe Bay Wader Group, U.K.: Morecambe Bay & Cumbrian coast. | G1 | G.Nikolaus, Germany: Waddensea, R. Weser. |
| P | Dark Peak Ringing Group, U.K.: Peak District National Park. | H1 | Inselstation des IFV "Vogelwarte Helgoland", Germany: Helgoland. |
| Q | Scan Ringing Group, U.K.: Lavan Sands & Conwy Estuary, North Wales. | I1 | O.A.G.Munster, Germany: Sewage farms at Munster. |
| R | A.Hoodless, Durham University, U.K.: Whitwell, Derbyshire. | J1 | R.Tiedemann, G.Nehls & G.Scheiffaith, Institut fur Hanstierkunde, Kiel, Germany: List/Sylt. |
| | | K1 | G.J.Gerritsen, Netherlands: West-Overyssel. |
| | | L1 | Steltloppringgroep FFF, Netherlands: Provinces of Friesland & Groningen |
| | | M1 | E.Nieboer, University of Amsterdam Ringing Group, Netherlands: Schiermonnikoog, Friesland. |



Table 1. (continued).

| KEY | |
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| N1 | G.Th.De Roos, Agricultural University, Vlieland, Netherlands: Vlieland & Den Helder, Waddensea. |
| O1 | P.L.Meiningert & C.M.Berrevoets, Netherlands: Delta area, South-west Netherlands |
| P1 | Office National de la Chasse, France: Department of Vendee. |
| Q1 | Office National de la Chasse, France: Department of Gironde. |
| R1 | Office National de la Chasse, France: Department of Vendee & Loire Atlantique. |
| S1 | Office National de la Chasse, France: France. |
| T1 | O.Pineau, France: Department of Herault. |
| U1 | Azov-Black Sea Ornithological Station, Ukraine: Sivash, Crimea region. |
| V1 | Azov-Black Sea Ornithological Station, Ukraine: Stepanovka, Zaporozhie region. |
| W1 | Azov-Black Sea Ornithological Station, Ukraine: Tiligul Lagoon, Nikolnev. |
| X1 | A.Korzyukov, Odessa State University, Ukraine: North-west Black Sea region. |
| Y1 | Zagreb Bird Ringing Centre, Institute of Ornithology, Croatia: Croatia. |
| Z1 | Anonima Limicola, Italy: Northern Italy (6 sites) |
| A2 | Osservatori Faunistici, Friuli Venezia Giulia, North-east Italy: Marano & Grado Lagoons. |
| B2 | Osservatori Faunistici, Friuli Venezia Giulia, North-east Italy: Friuli Plain. |
| C2 | R. Mainardi, Italy: Livorno. |
| D2 | Grup Limicola, Spain: Ebro Delta, Tarragona |
| E2 | Grupo de Anillamiento "Rias Baixas", Spain: Pontevedra region (6 sites). |
| F2 | Gaivoton Ringing Group, Spain: Pontevedra region (3 sites). |
| G2 | R.F.Freudenthal, Sheffield University: Olhao, Portugal. |
| H2 | Algarve Ringing Group, Portugal.: Algarve. |
| I2 | A Rocha Bird Observatory, Portugal: Ria de Alvor, Algrave. |
| J2 | Seo-Cantabria, Spain: Santona Wetland. |
| K2 | A.E.Gavrilov <i>et al.</i> , Laboratory of Ornithology, Institute of Zoology, Akademgozodak, Kazakhstan: Alokol Lake, South-east Kazakhstan. |



Table 2. Reported totals of waders ringed outside Europe during 1991

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|----------------------------------|---|---|----|-------|----|---|----|--------|-----|---|---|------|-------|------|
| <i>Actophilornis africana</i> | | | 8 | | | | | | | | | | | |
| <i>Rostulata benghalensis</i> | | | 2 | | | | | | | | | | | |
| <i>Haematopus ostralegus</i> | | | | | | | 1 | 11(31) | 190 | | | | | |
| <i>Haematopus fliginosus</i> | | | | | | | | | 29 | | | | | |
| <i>Haematopus bachmani</i> | | | | | | | | | | | | | | (87) |
| <i>Himantopus himantopus</i> | | 1 | | | | | | | | | | | 2(18) | |
| <i>Recurvirostra avosetta</i> | | | 4 | 5(2) | | | 1 | | | | | | | |
| <i>Recurvirostra americana</i> | | | | | | | | | | | | | 33(3) | |
| <i>Burhinus oedicneus</i> | | | | | 1 | | | | | | | | | |
| <i>Glaucola pratincola</i> | 7 | 5 | 7 | 3 | | | | | | | | | | |
| <i>Vanellus armatus</i> | | 7 | | | | | | | | | | | | |
| <i>Vanellus spinosus</i> | | | | (1) | | | | | | | | | | |
| <i>Vanellus coronatus</i> | | 1 | | | | | | | | | | | | |
| <i>Vanellus senegallus</i> | | | | | | | | | | | | | | |
| <i>Pluvialis fulva</i> | | | | | | | 8 | | 12 | | | | | |
| <i>Pluvialis dominica</i> | | | | | | | | | | 9 | | | | |
| <i>Pluvialis squatarola</i> | | | | 1 | | | 13 | | | 5 | | | | |
| <i>Charadrius hiaticula</i> | 7 | | 3 | 3 | 3 | 2 | | | | | | | | |
| <i>Charadrius semipalmatus</i> | | | | | | | | | | | 3 | | | |
| <i>Charadrius melodus</i> | | | 24 | 23(2) | | | | | | | | 4(6) | | |
| <i>Charadrius pecuarius</i> | | | 8 | 9 | | | | | | | | | | |
| <i>Charadrius tricoloris</i> | | | | | | | | | | | | | | |
| <i>Charadrius alexandrinus</i> | 3 | | | | 48 | 2 | | | | | | | | |
| <i>Charadrius marginatus</i> | | | | 6 | | | | | | | | | | |
| <i>Charadrius ruficollis</i> | | | | | | | | | 14 | | | | | |
| <i>Charadrius bicinctus</i> | | | | | | | | | 95 | | | | | |
| <i>Charadrius mongolus</i> | | | | | 44 | 1 | 5 | | | | | | | |
| <i>Charadrius leschenaultii</i> | | | | | 2 | | 37 | | | | | | | |
| <i>Limosa limosa</i> | 1 | | | | | | 2 | | | | | | | |
| <i>Limosa lapponica</i> | | | | | | | 16 | | 164 | | | | | |
| <i>Numerius phaeopus</i> | | | | | | | 63 | | | | | | | |
| <i>Numerius arquata</i> | | | | | | | 4 | | | | | | | |
| <i>Numerius madagascariensis</i> | | | | | | | | | 8 | | | | | |
| <i>Tringa totanus</i> | 1 | | | | 1 | 5 | 91 | | | | | | | |
| <i>Tringa stagnatalis</i> | 1 | | | 7 | 1 | | 13 | | | | | | | |
| <i>Tringa nebularia</i> | 1 | | 1 | | | | 1 | | 22 | | | | | |
| <i>Tringa glareola</i> | 9 | 1 | 10 | 20 | 1 | | 10 | | | | | | | |
| <i>Xenus cinereus</i> | | | | | 9 | | 52 | | 2 | | | | | |
| <i>Actitis hypoleucos</i> | | | 7 | 20 | 7 | | 21 | | | | | | | 9(1) |
| <i>Actitis macularia</i> | | | | | | | | | | | | | | |
| <i>Heterosceles brevipes</i> | | | | | | | 3 | | | | | | | 86 |
| <i>Phalaropus lobatus</i> | | | | | | | 2 | | | | | | | 16 |
| <i>Phalaropus fulicarius</i> | | | | | | | | | | | | | | |



Table 2 (cont').

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N |
|---------------------------------|---|----|-----|----|-----|----|-----|---|------|-----|-----|---|---|---|
| <i>Arenaria interpres</i> | | | | | | | | | | | | | | |
| <i>Gallinago stenura</i> | | | | | | | | | | | | | | |
| <i>Gallinago megala</i> | | | 1 | | 1 | 6 | 1 | | 211 | | 2 | | | |
| <i>Gallinago nigripennis</i> | | | | | | | 5 | | | | | | | |
| <i>Gallinago gallinago</i> | | | 18 | | | | 2 | | | | | | | |
| <i>Limnodromus scolopaceus</i> | 3 | 1 | | | | | 11 | | | | | | | |
| <i>Limnodromus griseus</i> | | | | | | | | | | 1 | | 8 | | |
| <i>Limnodromus semipalmatus</i> | | | | | | | | | | | | | | |
| <i>Calidris canutus</i> | | | | | | | 2 | | 332 | | 19 | | | |
| <i>Calidris tenuirostris</i> | | | | | | | 45 | | 2 | | 19 | | | |
| <i>Calidris alba</i> | | | | | | | 28 | | 208 | | 27 | | | |
| <i>Calidris pusilla</i> | | | | | | 2 | | | | 163 | 300 | | | |
| <i>Calidris ruficollis</i> | | | | | | | | | 1979 | | | | | |
| <i>Calidris minuta</i> | | 50 | | | | 99 | | | | | | | | |
| <i>Calidris subminuta</i> | | | | | | | 6 | | | | | | | |
| <i>Calidris minutella</i> | | | | | | | | | | | 11 | | | |
| <i>Calidris fuscicollis</i> | | | | | | | | | | 1 | | | | |
| <i>Calidris bairdii</i> | | | | | | | | | | 4 | | | | |
| <i>Calidris melanotos</i> | | | | | | | | | | 40 | | | | |
| <i>Calidris acuminata</i> | | | | | | | | | | 251 | | | | |
| <i>Calidris alpina</i> | | | | | 15 | | 3 | | | | | | | |
| <i>Calidris ferruginea</i> | | | | | | 10 | 4 | | | 14 | 3 | | | |
| <i>Limicola falcinellus</i> | | | | | | 1 | 114 | | 555 | | | | | |
| <i>Micropalama humantopus</i> | | | | | | 1 | 5 | | | 10 | | | | |
| <i>Tyngites subruficollis</i> | | | | | | | | | | 4 | | | | |
| <i>Philomachus pugnax</i> | | 68 | 105 | 11 | 147 | 2 | | | | | | | | |

KEY

| | | | |
|---|---|---|--|
| A | Office National de la Chasse, France: Paec National du Djoudj, Senegal. | H | P.M.Sagar, New Zealand: Mid Canterbury, South Island. |
| B | O.A.G.Munster: Chad Basin, Northern Cameroon. | I | Victorian Wader Study Group, Australia: Victoria coast |
| C | D.A.de la Harpe, Zimbabwe: Zimbabwe. | J | Troy Ecological Research, USA: Prudhoe Bay, Alaska |
| D | A.J.Tree, Zimbabwe: Zimbabwe. | K | N.J.Division of Fish, Game & Wildlife, USA: Delaware Bay, New Jersey. |
| E | ICBP/WIWO/NCWCD, Saudi Arabian Spring project 1991: Al Jubail, Saudi Arabia, Persian Gulf area. | L | Oring, Nevada University, USA: Northern Minnesota |
| F | Bahrain Wader Study, S.Muhammad, Bahrain University, State of Bahrain: Dummistan. | M | Oring, Nevada University, USA: Central Nevada |
| G | D.S.Melville, Hong Kong: Hong Kong. | N | B.Andres, U.S. Fish & Wildlife Service, Alaska, USA: Prince William Sound. |

