**Annexe**

**Résultats des recensements internationaux d'oiseaux d'eau (hiver) : *Complexe du bas Tahaddart***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Années 1983 1984 1985 1986 1987** | **1988 1989 1990 1991 1992 1993** | **1994 1995 1996 1997** | **1998 1999 2000** |
| *Anser anser* | 21 | 26 20 101 4 | 19 51 | 410 195 182 |
| *Tadorna tadorna* | 20 171 2 | 221 242 37 28 27 | 31 11 73 | 30 |
| *Anas penelope* | 400 329 500 3004 | 200 2528 3491 312 381 | 3100 1497 528 | 2477 222 1620 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Anas strepera* | 3 |  |  |  |  |  |  | 40 | 1 |  |  |  |  |  |  |  | 8 | 4 |
| *Anas crecca* | 6 |  |  |  |  |  |  | 60 | 316 | 107 |  | 52 | 148 |  | 78 | 178 | 25 | 130 |
| *Anas platyrhynchos* |  | 69 |  | 100 |  | 300 |  | 398 | 265 | 854 | 644 | 704 | 504 | 2 | 93 | 382 | 533 | 268 |
| *Anas acuta* |  |  |  | 2 |  |  |  | 222 | 8 | 52 | 92 | 52 | 73 |  | 62 | 446 | 347 | 142 |
| *Anas clypeata* | 400 | 5 |  | 500 |  | 10 |  | 2420 | 936 | 99 | 160 | 992 | 409 |  | 682 | 1094 | 179 | 1620 |
| *Aythya ferina* |  |  |  | 5 |  |  |  | 39 | 124 | 2 | 46 |  |  |  | 70 | 7 | 4 |  |
| *Aythya fuligula* |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |  |
| *Anatidae spp. Tachybaptus ruficollis* |  | 1800 | 1000 |  | 54 | 1000 |  | 1400 |  |  | 2 |  | 78 |  |  | 2 |  |  |
| *Podiceps cristatus Podiceps nigricollis Morus bassana* |  |  |  |  |  |  |  | 1 | 14 | 3 | 1 | 9  1 | 4  194 |  | 1 |  |  |  |
| *Phalacrocorax carbo sinensis Phalacrocorax aristotelis* |  |  |  |  |  |  |  |  |  | 2 |  |  | 2 |  | 2 |  | 1 |  |
| *Ardea cinerea* |  | 1 |  |  | 3 | 1 |  | 14 | 4 | 10 | 6 | 16 | 13 | 1 | 10 | 32 | 3 | 8 |
| *Egretta garzetta* |  | 1 |  |  |  |  |  |  | 2 | 2 | 10 | 12 | 11 |  | 3 | 25 |  | 1 |
| *Ardea ibis* |  |  |  |  | 200 |  |  |  |  |  | 500 | 210 |  |  | 1 | 20 | 60 |  |
| *Ciconia ciconia* |  |  |  |  | 2 |  |  | 18 | 5 | 39 | 11 | 41 |  |  | 25 | 50 | 14 | 6 |
| *Platalea leucorodia* |  |  |  |  | 13 |  |  |  |  |  |  |  |  | 12 |  |  |  | 6 |
| *Phoenicopterus ruber* | 200 | 2 |  | 30 | 43 | 155 |  | 333 | 23 | 3 | 45 | 505 | 138 | 330 | 48 | 650 | 256 | 450 |
| *Grus grus* | 250 | 5 | 50 |  | 600 | 63 | 16 | 25 | 24 | 220 | 121 | 380 | 350 |  | 339 | 44 | 730 | 78 |
| *Otis tarda*  *Haematopus ostralegus* |  |  |  | 13 | 3 |  |  |  |  | 40 | 17 |  | 31 |  | 1 |  | 15 |  |
| *Himantopus himantopus* |  |  |  |  |  |  |  | 50 | 20 | 6 |  | 20 | 41 |  | 4 | 31 | 3 |  |
| *Recurvirostra avosetta* |  |  |  |  |  | 300 |  | 61 | 250 | 24 | 11 | 116 | 10 |  |  | 113 | 25 | 50 |
| *Burhinus oedicnemus* |  |  |  |  | 8 |  |  |  |  |  |  | 5 | 17 |  |  |  | 5 |  |
| *Vanellus vanellus* |  |  |  |  | 77 | 50 |  | 50 | 16 | 6 | 40 | 62 | 19 |  |  | 513 | 260 | 220 |
| *Pluvialis apricaria* |  |  |  |  |  |  |  | 10 |  | 35 |  | 300 | 33 |  |  | 914 | 133 | 10 |
| *Pluvialis squatarola* |  | 9 |  | 1 | 5 |  |  | 68 |  | 21 | 560 | 102 | 261 |  | 193 | 71 | 33 | 10 |
| *Charadrius hiaticula* |  |  |  | 2 |  |  |  |  |  |  | 1 | 1 | 22 |  | 2 |  |  |  |
| *Charadrius dubius* |  |  |  |  |  |  |  |  |  | 305 |  |  |  | 3 |  |  |  |  |
| *Charadrius alexandrinus*  *Charadrius spp.* |  |  | 30 |  | 3 | 9 |  | 20 |  | 151 | 1 | 405 | 1078 | 6 | 20 | 530 |  |  |
| *Limosa limosa* |  | 15 |  |  |  | 10 |  | 30 | 17 | 53 | 8 | 2 | 4 |  |  |  | 8 | 20 |
| *Limosa lapponica* |  |  |  |  |  |  |  |  |  |  |  | 60 |  |  | 63 |  |  |  |
| *Numenius phaeopus Numenius tenuirostris* |  |  |  |  |  | 1 |  |  |  |  |  | 1 |  |  |  |  | 2 |  |
| *Numenius arquata* |  | 29 |  | 2 | 1 | 2 |  | 58 |  | 3 | 19 | 55 | 12 | 1 | 54 | 8 | 85 | 46 |
| *Tringa erythropus* |  |  |  |  |  |  |  |  |  |  |  | 1 | 6 | 4 | 7 | 2 |  |  |
| *Tringa totanus* |  | 4 |  | 1 | 3 |  |  | 34 | 6 | 19 | 1 | 35 | 3 | 8 | 15 | 54 | 14 |  |
| *Tringa stagnatilis Tringa nebularia* |  |  |  |  |  |  |  |  |  | 19 |  | 10 |  |  | 1 |  |  |  |
| *Tringa hypoleucos* |  |  |  |  |  |  |  |  |  | 9 |  |  |  |  |  |  |  |  |
| *Arenaria interpres* |  | 3 |  | 25 | 3 |  |  |  |  | 7 | 9 |  | 35 |  |  |  | 11 |  |
| *Gallinago gallinago Calidris canutus* |  |  |  |  |  |  |  |  |  | 1 |  | 1 |  |  | 13 |  |  |  |
| *Calidris alba* |  |  | 40 |  |  |  |  |  |  |  | 33 | 51 | 502 |  | 21 | 66 |  |  |
| *Calidris minuta* |  |  |  |  |  |  |  |  |  | 4 |  | 28 | 33 |  |  |  |  |  |
| *Calidris alpina* |  |  | 300 |  | 1 | 300 |  |  |  | 1428 | 95 | 773 | 97 | 10 |  | 1740 |  | 210 |
| *Calidris ferruginea* |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |
| *Charadrii spp. Stercorariidae* |  | 400 |  |  | 450 |  |  | 700 | 450 | 40 | 150 | 1 |  |  |  |  | 550 |  |
| *Larus audouinii* |  |  |  | 5 |  |  |  |  |  |  | 12 | 109 | 154 | 146 | 24 | 119 | 88 | 48 |
| *Larus cachinnans* |  |  |  | 1 | 1 |  |  | 1 |  | 30 | 6 | 76 | 218 | 2 | 73 | 12 | 58 | 22 |
| *Larus fuscus* |  |  | 71 | 1 | 50 | 50 |  | 51 | 800 | 210 | 170 | 476 | 927 | 164 | 198 | 230 | 109 | 8 |
| *Larus melanocephalus* |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |
| *Larus ridibundus* |  |  | 200 | 2 | 251 | 50 |  | 253 | 400 | 550 | 5 | 370 | 339 | 15 | 102 | 311 | 130 | 14 |
| *Sterna caspia Sterna hirundo* |  |  |  |  |  |  |  |  |  |  |  | 34 | 17 | 1 | 13 | 3 | 3 | 2 |
| *Sterna sandvicensis* |  |  |  | 1 | 10 |  |  |  |  |  | 74 | 42 | 128 | 46 | 44 | 15 | 17 | 44 |
| *Laridae spp.* |  |  |  |  |  |  |  | 56 |  | 110 | 180 |  |  |  |  |  |  |  |
| *Circus aeruginosus* |  |  |  | 2 |  | 1 |  | 1 | 5 | 7 | 7 | 1 | 5 |  | 2 | 1 | 3 | 3 |
| *Cisticola juncidis* |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |

Effectifs totaux 1279 2864 1693 1193 4785 2750 16 9213 7315 4816 3445 9262 7424 751 2916 10550 4129 5252