**Annexe : Résultats des recensements internationaux d'oiseaux d'eau (hiver)** : ***Complexe du Bas Loukkos***

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Années** | **1984** | **1985** | **1986** | **1987** | **1988** | **1989** | **1990** | **1991** | **1992** | **1993** | **1994** | **1995** | **1996** | **1997** | **1998** | **1999** | **2000** |
| *Anser anser* | 25 | 22 |  | 40 |  | 24 | 1 |  | 38 | 78 | 62 | 72 |  |  |  | 155 |  |
| *Tadorna tadorna* |  |  | 60 |  |  | 34 | 137 | 27 | 58 | 29 | 5 | 10 | 20 | 36 |  |  |  |
| *Anas penelope* | 1021 | 61 |  | 753 |  | 198 | 877 | 820 | 302 | 1150 | 3836 | 2446 | 1290 | 247 | 476 | 670 | 380 |
| *Anas strepera* | 16 | 3 |  |  |  | 178 | 329 | 101 | 28 | 144 | 870 | 10 |  | 8 |  | 88 | 98 |
| *Anas crecca* | 5 |  |  | 11 |  | 324 |  | 8 | 186 | 432 | 873 | 1550 | 552 | 53 | 440 | 566 | 240 |
| *Anas platyrhynchos* | 1242 | 559 | 200 | 2140 | 1230 | 1416 | 284 | 266 | 289 | 126 | 600 | 397 | 322 | 386 | 178 | 103 | 66 |
| *Anas acuta* |  | 4 |  | 89 |  | 134 | 8 | 67 | 760 | 38 | 205 | 76 | 140 | 81 | 307 | 84 | 410 |
| *Anas querquedula* | 8 | 12 |  |  |  | 26 |  |  |  |  |  |  |  | 2 |  |  |  |
| *Anas clypeata* | 149 | 204 |  | 640 | 150 | 1004 | 1427 | 1882 | 1051 | 1123 | 3229 | 1380 | 2414 | 355 | 250 | 897 | 1210 |
| *Marmaronetta angustirostris* |  | 2 |  |  |  | 50 | 7 |  | 23 | 2 | 10 |  |  |  |  |  |  |
| *Netta rufina* | 8 | 2 | 1 |  | 32 | 90 | 187 |  | 11 | 2 | 42 |  | 258 | 184 |  | 59 | 44 |
| *Aythya ferina* |  | 1 | 50 | 39 | 102 | 70 | 26 | 71 | 2 |  | 154 |  | 410 |  | 114 | 82 | 80 |
| *Aythya nyroca* |  | 9 |  |  | 19 | 17 |  | 17 | 63 | 68 |  |  | 10 | 4 |  |  |  |
| *Aythya fuligula* | 2 | 3 | 11 | 7 | 12 | 9 | 36 | 7 |  |  |  |  | 3 |  |  |  |  |
| *Tachybaptus ruficollis* | 8 | 67 |  | 14 | 39 | 38 | 22 | 143 | 66 | 19 | 15 | 22 | 6 | 15 |  | 37 | 10 |
| *Podiceps cristatus* |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Podiceps nigricollis* |  |  |  | 1 | 3 |  | 1 |  |  |  |  | 1 |  |  |  |  | 2 |
| *Phalacrocorax carbo sinensis* |  |  |  |  | 1 | 3 | 2 |  | 6 | 16 | 70 | 84 | 11 | 21 | 34 | 55 | 34 |
| *Phalacrocorax aristotelis* |  |  |  |  |  |  | 2 | 3 | 12 |  | 21 |  |  |  |  |  |  |
| *Ardea cinerea* | 15 | 23 | 30 | 21 | 5 | 34 | 33 | 45 | 57 | 32 | 80 | 33 | 16 | 79 | 53 | 104 | 13 |
| *Egretta garzetta* | 6 | 22 | 1 | 133 | 20 | 205 | 49 | 59 | 277 | 47 | 100 | 66 | 3 | 82 | 233 | 17 | 2 |
| *Ardea ibis* |  |  | 1 |  |  |  | 500 |  |  |  | 210 |  |  |  |  |  |  |
| *Ardeola ralloides* | 2 | 2 | 5 | 2 |  | 30 | 25 | 21 | 50 | 4 | 2 | 8 | 1 | 20 | 6 | 12 |  |
| *Nycticorax nycticorax* |  |  |  |  |  | 37 |  |  |  |  |  |  |  |  |  |  |  |
| *Ixobrychus minutus* |  |  |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |
| *Botaurus stellaris* | 1 | 2 |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |
| *Ciconia ciconia* | 18 | 8 | 1 | 7 | 5 | 13 | 13 | 13 | 16 | 10 | 32 | 29 | 115 | 23 | 64 | 21 | 138 |
| *Plegadis falcinellus* |  |  |  |  |  |  | 20 | 5 | 10 | 4 | 33 | 21 | 10 | 33 | 16 | 10 | 12 |
| *Platalea leucorodia* | 3 |  |  | 4 |  | 70 | 14 |  | 57 |  | 32 | 10 | 30 | 22 | 104 | 91 | 40 |
| *Phoenicopterus ruber* |  | 400 | 6 |  |  | 88 | 326 | 339 | 256 | 127 | 172 | 126 | 16 | 98 |  | 23 | 50 |
| *Grus grus* |  |  |  |  |  |  |  | 53 |  |  |  |  |  | 3 |  |  |  |
| *Rallus aquaticus* |  |  |  |  |  |  |  |  |  |  | 2 |  |  | 5 |  | 3 |  |
| *Gallinula chloropus* | 11 | 15 | 1 | 11 |  | 71 | 10 | 51 | 9 | 5 | 20 | 2 | 7 |  | 4 | 21 | 10 |
| *Porphyrio porphyrio* | 79 | 46 | 50 | 643 | 656 | 306 | 82 | 53 | 27 | 19 | 5 | 5 | 5 | 4 | 5 | 2 |  |
| *Fulica atra* | 149 | 309 | 50 | 54 | 394 | 3532 | 1485 | 1688 | 1080 | 1123 | 1311 | 1109 | 394 | 208 | 480 | 2008 |  |
| *Fulica cristata* |  | 1 |  |  | 117 | 32 | 1200 | 476 | 305 | 316 | 379 | 308 | 136 | 123 | 308 | 860 | 64 |
| *Fulica spp.* |  |  |  |  |  | 58 |  |  |  |  |  |  |  |  |  |  |  |
| *Tetrax tetrax* |  |  |  |  |  |  |  |  |  |  |  |  | 14 |  |  |  |  |
| *Haematopus ostralegus* | 11 |  | 30 | 3 |  |  | 4 |  | 22 |  | 6 | 5 | 1 | 30 | 1 | 26 | 2 |
| *Himantopus himantopus* | 34 | 50 | 200 | 63 | 7 | 27 | 611 | 235 | 77 | 86 | 250 | 189 | 447 | 1245 | 493 | 438 | 173 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *Recurvirostra avosetta* |  | 50 | 200 | 1 |  | 50 | 500 | 70 | 131 | 32 | 500 | 86 | 106 | 200 | 42 | 125 | 36 |
| *Burhinus oedicnemus* |  |  |  | 55 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Vanellus vanellus* | 1381 | 746 | 300 | 100 |  | 10770 | 2893 | 1100 | 1129 | 95 | 1158 | 404 | 797 | 2 | 3005 | 1085 | 342 |
| *Pluvialis apricaria* | 150 | 15 |  |  |  |  |  |  | 118 |  | 1200 | 2060 |  | 440 |  | 1460 |  |
| *Pluvialis squatarola* |  |  | 1 | 16 |  |  | 4 | 500 |  | 26 | 570 | 27 | 2 | 125 |  |  | 2 |
| *Charadrius hiaticula* | 2 |  | 1 | 50 |  |  | 5 |  |  |  | 12 | 62 |  |  |  | 362 |  |
| *Charadrius dubius* |  |  |  |  |  |  | 22 |  |  |  | 24 |  |  |  |  |  |  |
| *Charadrius alexandrinus* |  |  | 1 | 50 |  |  |  | 15 |  |  | 5 | 90 | 15 | 100 | 1 | 163 | 150 |
| *Charadrius morinellus* | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Limosa limosa* | 1164 | 1090 | 300 | 3313 |  | 1 | 981 | 986 | 1115 | 607 | 1055 | 533 | 420 | 1207 | 1922 | 4781 | 4282 |
| *Limosa lapponica* | 1 |  | 10 |  |  |  |  |  | 1 |  | 12 |  |  | 15 |  |  |  |
| *Numenius phaeopus* | 1 |  | 2 |  |  |  | 8 | 1 |  |  | 1 |  |  |  |  | 1 |  |
| *Numenius tenuirostris* | 12 |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |
| *Numenius arquata* | 1 | 8 | 16 |  | 1 |  | 72 | 3 | 18 | 1 | 40 | 2 | 17 | 18 | 2 | 49 | 13 |
| *Tringa erythropus* | 7 |  | 10 | 2 |  |  |  |  | 2 |  | 16 | 2 | 4 | 1 |  | 3 |  |
| *Tringa totanus* | 44 | 9 | 1 | 2 |  | 1 | 47 | 14 |  | 120 | 95 | 147 | 106 | 123 | 182 | 256 | 489 |
| *Tringa stagnatilis* |  |  | 1 |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |
| *Tringa nebularia* | 8 |  | 1 |  |  |  | 6 |  |  |  | 9 | 22 | 9 | 7 | 6 | 18 |  |
| *Tringa ochropus* | 2 |  |  |  |  |  |  |  |  |  | 6 | 2 |  |  |  |  |  |
| *Tringa glareola* | 1 |  | 1 |  |  | 1 |  |  | 1 |  | 25 |  |  | 3 |  |  |  |
| *Tringa spp.* |  |  |  |  |  |  |  |  |  | 30 |  | 5 |  |  |  |  |  |
| *Tringa hypoleucos* | 8 |  | 1 | 2 |  |  | 96 | 102 |  |  | 8 | 6 | 19 |  |  |  |  |
| *Arenaria interpres* |  |  | 1 |  |  |  |  |  |  |  | 2 |  |  |  |  | 8 |  |
| *Phalaropus fulicaria* |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |
| *Gallinago gallinago* | 1 | 2 | 1 | 51 |  | 1 |  | 16 | 32 |  | 200 | 15 |  |  |  | 1 |  |
| *Calidris alba* |  |  | 50 | 15 |  |  |  |  |  |  | 260 |  |  | 50 |  | 10 |  |
| *Calidris minuta* |  |  |  | 2 |  |  |  |  |  |  | 11 | 21 |  | 43 |  | 330 | 150 |
| *Calidris temminckii* |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |
| *Calidris alpina* | 2 |  | 50 | 2 |  |  |  |  |  |  | 580 | 105 |  | 136 |  | 414 | 290 |
| *Calidris ferruginea* |  |  |  |  |  |  |  | 10 |  |  |  |  |  |  |  |  |  |
| *Calidris spp.* |  |  |  |  |  |  |  |  |  |  |  | 60 |  |  |  |  |  |
| *Philomachus pugnax* | 105 | 25 | 30 | 51 |  | 1 | 180 |  | 10 |  | 130 | 109 | 30 | 642 | 10 | 495 | 1 |
| *Charadrii spp.* |  |  |  |  |  |  | 50 |  | 792 | 120 |  |  |  |  |  |  |  |
| *Larus audouinii* |  |  |  |  |  |  |  | 9 |  |  | 1 |  |  |  |  |  |  |
| *Larus delawarensis* |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |
| *Larus cachinnans* |  |  | 1 | 17 |  |  |  | 43 | 92 | 120 | 283 | 4 | 2 | 7 | 11 | 10 | 20 |
| *Larus fuscus* |  | 1 | 1 | 554 |  |  | 250 | 31 | 60 | 3750 | 1085 | 230 | 41 | 1150 | 538 | 172 | 772 |
| *Larus marinus* |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Larus ridibundus* |  | 2 | 1 | 196 | 2 |  | 840 | 113 | 42 | 262 | 700 | 455 | 98 | 72 | 111 | 259 | 23 |
| *Larus minutus* |  |  |  |  |  |  | 11 |  |  |  |  |  |  |  |  |  |  |
| *Larus spp.* |  |  |  |  |  |  | 500 |  |  |  |  |  |  | 2 |  |  |  |
| *Chlidonias hybridus* |  |  |  | 1 |  | 6 | 9 |  | 4 |  | 25 |  |  |  |  |  |  |
| *Sterna caspia* |  | 2 |  | 4 |  | 12 | 2 |  |  |  | 25 | 3 |  | 1 |  |  | 12 |
| *Sterna hirundo* |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Sterna albifrons* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 |  |
| *Sterna sandvicensis* |  |  | 1 | 52 |  |  |  |  |  |  | 11 |  |  |  |  | 7 | 1 |
| *Laridae spp.* |  |  |  | 297 |  |  |  | 16 | 840 |  |  |  |  |  |  |  |  |
| *Pandion haliaetus* |  |  | 1 |  |  | 16 | 2 | 1 | 1 |  | 4 |  | 4 | 1 |  |  |  |
| *Circus aeruginosus* | 5 | 7 | 3 | 21 |  | 5 | 29 | 10 | 24 | 10 | 35 | 24 | 9 | 17 | 9 | 16 | 6 |
| *Circus cyaneus* |  |  | 1 | 1 |  | 2 |  |  |  |  | 1 |  |  |  |  |  |  |
| *Asio flammeus* |  |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |  |
| *Asio capensis* |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |  |  |
| *Alcedo atthis* |  | 2 |  |  |  | 1 |  | 1 | 2 |  | 1 |  |  |  |  |  |  |
| *Cettia cetti* |  |  |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |
| **Effectifs totaux** | **5709** | **3788** | **1685** | **9531** | **2798** | **18985** | **14225** | **9502** | **9554** | **10176** | **20720** | **12433** | **8312** | **7730** | **9405** | **16458** | **9667** |