**Annexe**

Résultats des recensements internationaux d'oiseaux d'eau (hiver) :

*Embouchures des oueds Chbeyka-Al Wa'er*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Années** | **1984** | **1985** | **1987** | **1988** | **1990** | **1991** | **1992** | **1993** | **1994** | **1995** | **1996** | **1997** | **1998** | **1999** | **2000** |
| *Tadorna ferruginea* | 50 | 40 |  | 35 | 37 | 32 |  | 36 | 35 | 11 | 2 | 8 | 11 |  |  |
| *Tadorna tadorna* |  |  |  | 5 |  |  |  | 9 |  | 1 |  | 27 |  | 10 |  |
| *Anas penelope* |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |
| *Anas strepera Anas crecca**Anas platyrhynchos* |  | 130 |  |  | 2 |  |  |  |  |  |  | 1 |  |  |  |
| *Anas acuta* |  | 17 |  | 2 |  |  |  |  |  |  |  |  |  |  |  |
| *Anas clypeata* |  |  |  | 89 |  |  |  | 320 | 200 | 90 | 68 | 6 |  |  |  |
| *Aythya ferina* |  | 52 |  | 28 | 29 |  | 14 |  |  |  | 19 | 1 |  |  |  |
| *Aythya fuligula* |  |  |  | 1 |  |  |  |  |  |  |  |  |  |  |  |
| *Aythya collaris Melanitta nigra* | 10 |  |  | 1 |  |  | 101 | 88 |  | 5251 | 15400 | 5 | 4800 |  | 9100 |
| *Anatidae spp.* | 100 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Tachybaptus ruficollis Podiceps cristatus* |  | 6 |  |  |  |  |  |  | 39 |  |  |  |  | 23 |  |
| *Podiceps nigricollis* |  |  |  | 12 |  |  | 7 | 8 | 5 | 83 | 140 | 37 | 24 |  |  |
| *Morus bassana* |  |  |  |  |  |  | 200 |  |  |  |  | 55 | 31 |  | 280 |
| *Phalacrocorax carbo maroccanus* |  | 2 |  |  | 26 |  | 47 | 27 | 30 | 77 | 12 | 21 | 15 |  | 29 |
| *Ardea cinerea* |  | 6 | 3 |  | 10 | 4 | 30 | 9 | 19 | 36 | 1 | 15 | 9 | 8 | 33 |
| *Ardea purpurea* |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |
| *Egretta garzetta* |  | 6 |  |  | 14 | 9 | 37 | 4 | 9 | 18 | 3 | 14 | 10 |  | 9 |
| *Ciconia nigra* |  |  |  |  |  |  | 1 |  |  |  |  |  |  |  |  |
| *Plegadis falcinellus* |  |  |  | 2 |  |  |  |  |  |  |  |  |  |  |  |
| *Platalea leucorodia* |  |  |  | 10 | 4 |  | 3 | 4 |  | 5 |  | 2 | 4 |  |  |
| *Phoenicopterus ruber* | 111 | 163 | 14 | 72 | 7 | 132 | 56 | 662 | 84 | 386 | 161 | 147 | 37 | 308 | 159 |
| *Fulica atra* |  | 16 |  | 10 | 9 |  | 1 |  |  |  | 1 | 43 |  |  |  |
| *Haematopus ostralegus* |  |  |  |  | 8 | 18 | 5 | 35 | 24 | 411 | 170 | 1003 | 2 |  | 900 |
| *Himantopus himantopus* |  |  |  |  |  |  |  | 7 | 7 |  |  |  |  |  |  |
| *Recurvirostra avosetta* |  |  |  |  |  |  |  | 1 | 1 |  | 8 | 7 |  | 3 |  |
| *Pluvialis squatarola* |  |  |  |  |  | 20 | 5 |  | 84 | 63 | 1 |  |  |  |  |
| *Charadrius hiaticula* |  |  |  |  |  |  |  | 40 | 1 | 58 |  |  |  |  |  |
| *Charadrius dubius Charadrius alexandrinus* |  |  |  |  |  | 44 | 4 | 5 |  | 35 | 8 | 1 | 1 |  |  |
| *Limosa limosa* | 7 |  |  |  |  |  |  |  |  | 20 |  |  |  |  |  |
| *Limosa lapponica* |  |  |  |  | 3 |  | 5 |  | 2 | 3 |  |  |  |  |  |
| *Numenius phaeopus* |  |  |  |  |  | 18 | 10 |  |  | 1 |  | 3 |  |  |  |
| *Numenius arquata* |  |  |  |  | 3 |  | 3 | 100 | 11 | 99 | 2 | 1 | 1 |  |  |
| *Tringa erythropus* |  |  |  |  |  |  |  | 4 |  |  |  | 3 |  |  |  |
| *Tringa totanus* |  |  |  |  |  | 15 | 1 | 16 | 25 | 55 |  | 1 |  |  |  |
| *Tringa nebularia Tringa ochropus* |  |  |  |  |  |  |  | 4 |  | 2 |  | 1 |  |  |  |
| *Tringa hypoleucos* |  |  |  |  |  |  |  | 7 | 2 | 8 | 1 | 4 | 2 |  |  |
| *Phalaropus fulicaria* |  |  |  |  |  |  |  |  |  |  | 12 |  |  |  |  |
| *Calidris canutus* |  |  |  |  |  |  | 5 |  |  | 10 | 50 |  |  |  |  |
| *Calidris alba* |  |  |  |  |  |  | 4 | 5 | 130 | 240 |  | 435 | 15 | 42 | 6 |
| *Calidris minuta* |  |  |  |  |  |  |  |  | 30 | 20 |  |  |  |  |  |
| *Calidris alpina* |  |  |  |  |  | 4 |  |  | 10 | 365 |  |  |  |  |  |
| *Calidris spp.* |  |  |  |  |  |  |  | 3 |  |  |  |  |  |  |  |
| *Charadrii spp.* |  |  |  |  |  |  | 200 | 40 | 120 | 10 |  |  |  |  |  |
| *Stercorarius parasiticus* |  |  |  |  |  |  |  |  |  | 1 |  |  |  |  |  |
| *Stercorarius skua* |  |  |  |  |  |  |  |  |  | 3 |  |  |  |  |  |
| *Stercorariidae* |  |  |  |  |  |  |  |  |  | 4 |  |  | 4 |  |  |
| *Larus audouinii* |  |  |  |  | 5 |  | 627 | 396 | 376 | 845 | 552 | 897 | 436 |  | 150 |
| *Larus cachinnans* |  |  |  |  |  | 6 | 140 | 24 |  | 160 |  | 4 |  | 10 |  |
| *Larus fuscus* |  |  |  |  |  |  | 1990 | 7207 | 445 | 8198 | 290 | 2580 | 970 | 247 | 2130 |
| *Larus melanocephalus* |  |  |  |  |  |  |  |  | 2 |  |  |  |  |  |  |
| *Larus ridibundus* |  |  |  |  |  |  | 37 | 310 | 4 | 16 |  | 10 |  |  |  |
| *Larus spp.* |  |  |  |  |  |  | 980 |  |  |  |  | 110 |  |  |  |
| *Sterna caspia* |  |  |  |  | 1 |  |  | 5 | 2 | 39 |  | 12 | 5 |  | 3 |
| *Sterna sandvicensis* |  |  |  |  |  |  |  | 7 | 8 | 15 |  | 1 |  |  | 70 |
| *Pandion haliaetus Circus aeruginosus* |  |  |  |  |  |  |  |  |  | 1 |  | 1 | 1 |  |  |
| **Effectifs totaux** | **278** | **438** | **17** | **268** | **158** | **302** | **4514** | **9383** | **1705** | **16640** | **16901** | **5456** | **6378** | **651** | **12869** |