**Appendix 1. Monitoring data of the birds in Spring**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **English name** | **Scientific name** | **Number（Observation Time）** | | |
| **Spring 2011** | **Spring 2012** | **Spring 2013** |
| Asian Brown Flycatcher | *Muscicapa latirostris* | 23 | 9 | — |
| Azure Tit | *Parus cyanus* | 16 | 54 | 59 |
| Baer's Pochard | *Aythya baeri* | 8 | 34 | — |
| Baikal Teal | *Anas formosa* | 6,412 | 13,765 | 13,754 |
| Barn Swallow | *Hirundo rustica* | 153 | 214 | — |
| Bean goose | *Anser fabalis* | 1,735 | 1,245 | 462 |
| Black-crowned Night-heron | *Nycticorax nycticorax* | 11 | 3 | — |
| Black-faced Bunting | *Emberiza spodocephala* | 76 | 18 | 21 |
| Black-headed Gull | *Larus ridibundus* | 579 | 634 | 884 |
| Black-winged Stilt | *Himantopus himantopus* | — | — | 8 |
| Brambling | *Fringilla montifringilla* | 7 | — | — |
| Brent Goose | *Branta bernicla* | — | 57 | — |
| Chestnut-flanked White-eye | *Zosterops erythropleurus* | 77 | 21 | 23 |
| Chinese Pond-heron | *Ardeola bacchus* | — | 1 | — |
| Common Coot | *Fulica atra* | 3,321 | 3,072 | 4,677 |
| Common Crane | *Grus grus* | 2 | — | 87 |
| Common Cuckoo | *Cuculus canorus* | 12 | — | 3 |
| Common Goldeneye | *Bucephala clangula* | 8,941 | 9,456 | 11,634 |
| Common Greenshank | *Tringa nebularia* | 22 | — | 5 |
| Common Merganser | *Mergus merganser* | 19 | 33 | 67 |
| Common Moorhen | *Gallinula chloropus* | — | 40 | — |
| Common Pochard | *Aythya ferina* | 262 | 1,504 | 1,640 |
| Common Redshank | *Tringa totanus* | — | — | 5 |
| Common Teal | *Anas crecca* | 7,345 | 9,785 | 10,563 |
| Common Tern | *Sterna hirundo* | 364 | 201 | 303 |
| Crested Lark | *Galerida cristata* | 36 | 67 | 44 |
| Dusky Warbler | *Phylloscopus fuscatus* | 43 | — | 40 |
| Eurasian Curlew | *Numenius arquata* | 3 | 3 | — |
| Eurasian Jay | *Garrulus glandarius* | — | — | 24 |
| Eurasian Spoonbill | *Platalea leucorodia* | — | 11 | — |
| Eurasian Wigeon | *Anas penelope* | 224 | 145 | 165 |
| Falcated Duck | *Anas falcata* | 5,643 | 7,456 | 9,765 |
| Far Eastern Curlew | *Numenius madagascariensis* | 15 | 9 | 6 |
| Gadwall | *Anas strepera* | 4,637 | 6,744 | 9,574 |
| Golden Eagle | *Aquila chrysaetos* | — | — | 2 |
| Great Bittern | *Botaurus stellaris* | 3 | — | 2 |
| Great Cormorant | *Phalacrocorax carbo* | 168 | 241 | 174 |
| Great Egret | *Casmerodius albus* | 845 | 674 | 563 |
| Great Spotted Woodpecker | *Dendrocopos major* | — | 3 | 4 |
| Great Tit | *Parus major* | 65 | 32 | 42 |
| Greater Scaup | *Aythya marila* | 3,853 | 6,140 | 8,456 |
| Greater White-fronted Goose | *Anser albifrons* | 2,312 | 2,144 | 867 |
| Green Sandpiper | *Tringa ochropus* | — | — | 3 |
| Grey Heron | *Ardea cinerea* | 425 | 361 | 174 |
| Grey Wagtail | *Motacilla cinerea* | 24 | 30 | 24 |
| Grey-backed Thrush | *Turdus hortulorum* | — | 3 | — |
| Grey-headed Lapwing | *Vanellus cinereus* | — | 34 | — |
| Greylag Goose | *Anser anser* | — | 141 | 8 |
| Hawfinch | *Coccothraustes coccothraustes* | 65 | 31 | 40 |
| Herring Gull | *Larus argentatus* | 356 | 462 | 409 |
| Hooded Crane | *Grus monacha* | 22 | 24 | 29 |
| Horned Grebe | *Podiceps auritus* | — | — | 2 |
| Inornate Warbler | *Phylloscopus inornatus* | — | 16 | — |
| Lemon-rumped Warbler | *Phylloscopus proregulus* | — | 40 | — |
| Lesser White-fronted Goose | *Anser erythropus* | 2,634 | 3,089 | 646 |
| Little Grebe | *Tachybaptus ruficollis* | — | — | 7 |
| Little Ringed Plover | *Charadrius dubius* | — | — | 6 |
| Little Tern | *Sterna albifrons* | 145 | 264 | 372 |
| Long-tailed Duck | *Clangula hyemalis* | — | 18 | — |
| Long-tailed Rosefinch | *Uragus sibiricus* | 34 | 42 | 29 |
| Long-tailed Tit | *Aegithalos caudatus* | 88 | 22 | — |
| Mallard | *Anas platyrhynchos* | 11,956 | 20,453 | 18,567 |
| Mandarin Duck | *Aix galericulata* | 8 | 19 | 30 |
| Marsh Tit | *Parus palustris* | 34 | 123 | 54 |
| Northern Lapwing | *Vanellus vanellus* | 131 | 55 | 20 |
| Northern Pintail | *Anas acuta* | — | 2,144 | 4,351 |
| Northern Shoveler | *Anas clypeata* | 3,036 | 5,238 | 6,574 |
| Oriental Bullfinch | *Pyrrhula griseiventris* | 34 | — | — |
| Oriental Great Reed Warbler | *Acrocephalus orientalis* | 17 | 9 | 11 |
| Oriental Stork | *Ciconia boyciana* | 101 | 48 | 12 |
| Pallas's Bunting | *Emberiza pallasi* | 4 | — | — |
| Pallas's Grasshopper-warbler | *Locustella certhiola* | 16 | 7 | — |
| Pied Harrier | *Circus melanoleucos* | 3 | — | 16 |
| Purple Heron | *Ardea purpurea* | 33 | 8 | 2 |
| Purple-backed Starling | *Sturnus sturninus* | — | — | 25 |
| Red-breasted Merganser | *Mergus serrator* | — | — | 7 |
| Red-crowned Crane | *Grus japonensis* | 87 | 81 | 51 |
| Red-necked Grebe | *Podiceps grisegena* | — | 8 | 2 |
| Reed Bunting | *Emberiza schoeniclus* | 65 | — | — |
| Sand Martin | *Riparia riparia* | 65 | 51 | — |
| Saunders's Gull | *Larus saundersi* | 26 | 119 | 33 |
| Scaly-sided Merganser | *Mergus squamatus* | 4 | 8 | 13 |
| Schrenck's Bittern | *Ixobrychus eurhythmus* | — | 3 | 2 |
| Siberian Blue Robin | *Luscinia cyane* | — | 6 | 28 |
| Slaty-backed Gull | *Larus schistisagus* | 196 | 275 | 185 |
| Smew | *Mergellus albellus* | 6 | 11 | 34 |
| Snow Goose | *Chen caerulescens* |  | 47 | 11 |
| Striated Heron | *Butorides striata* |  | 1 |  |
| Swan Goose | *Anser cygnoides* | 1,845 | 1,152 | 557 |
| Tufted Duck | *Aythya fuligula* | 9,387 | 10,756 | 13,674 |
| Tundra Swan | *Cygnus columbianus* | 15 | 9 | — |
| Water Rail | *Rallus aquaticus* | — | 65 | 36 |
| Western Spot-billed Duck | *Anas poecilorhyncha* | 3,725 | 4,734 | 8,572 |
| Whiskered Tern | *Chlidonias hybrida* | 78 | 44 | 144 |
| White Wagtail | *Motacilla alba* | 11 | 56 | 44 |
| White-cheeked Starling | *Sturnus cineraceus* |  |  | 36 |
| White-naped Crane | *Grus vipio* | 198 | 34 | 134 |
| White-tailed Eagle | *Haliaeetus albicilla* | 19 | 26 | 36 |
| Whooper Swan | *Cygnus cygnus* | 58 | 154 | 26 |
| Wood Nuthatch | *Sitta europaea* | 334 | 421 | 285 |
| Yellow Wagtail | *Motacilla flava* | 8 | — | 17 |
| Other Ducks |  | 6,567 | 13,262 | 15,183 |
| Other Goose |  | 1678 | 1902 | 563 |
| **Total** |  | **90,770** | **129,721** | **145,007** |