

**Table C.1 Species Used to Calculate Wild Bird Population Indices**

| Woodland Birds                                       | Waterbirds  | Seabirds                                       | Farmland Birds                             |
|--|---|--|--|
| <i>Accipiter nisus</i> (Sparrowhawk)                 | <i>Actitis hypoleucos</i> (Common sandpiper)      | <i>Stercorarius parasiticus</i> (Arctic skua)  | <i>Alauda arvensis</i> (Skylark)           |
| <i>Aegithalos caudatus</i> (Long-tailed tit)         | <i>Mergus merganser</i> (Goosander)               | <i>Alca torda</i> (Razorbill)                  | <i>Carduelis cannabina</i> (Linnet)        |
| <i>Anthus trivialis</i> (Tree pipit)                 | <i>Motacilla cinerea</i> (Grey wagtail)           | <i>Catharacta skua</i> (Great skua)            | <i>Carduelis carduelis</i> (Goldfinch)     |
| <i>Carduelis cabaret</i> (Lesser redpoll)            | <i>Cinclus cinclus</i> (Dipper)                   | <i>Aria aalge</i> (Common guillemot)           | <i>Carduelis chloris</i> (Greenfinch)      |
| <i>Carduelis spinus</i> (Siskin)                     | <i>Tachybaptus ruficollis</i> (Little grebe)      | <i>Fratercula arctica</i> (Puffin)             | <i>Columba oenas</i> (Stock dove)          |
| <i>Certhia familiaris</i> (Treecreeper)              | <i>Podiceps cristatus</i> (Great crested grebe)   | <i>Fulmarus glacialis</i> (Fulmar)             | <i>Columba palumbus</i> (Woodpigeon)       |
| <i>Coccothraustes coccothraustes</i> (Hawfinch)      | <i>Anas platyrhynchos</i> (Mallard)               | <i>Larus argentatus</i> (Herring gull)         | <i>Corvus frugilegus</i> (Rook)            |
| <i>Cyanistes caeruleus</i> (Blue tit)                | <i>Aythya fuligula</i> (Tufted duck)              | <i>Larus canus</i> (Common gull)               | <i>Corvus monedula</i> (Jackdaw)           |
| <i>Dendrocopos major</i> (Great spotted woodpecker)  | <i>Gallinula chloropus</i> (Moorhen)              | <i>Larus fuscus</i> (Lesser black-backed gull) | <i>Emberiza citronella</i> (Yellowhammer)  |
| <i>Dendrocopos minor</i> (Lesser spotted woodpecker) | <i>Fulica atra</i> (Coot)                         | <i>Larus marinus</i> (Great black-backed gull) | <i>Emberiza schoeniclus</i> (Reed bunting) |
| <i>Erithacus rubecula</i> (Robin)                    | <i>Acrocephalus scirpaceus</i> (Reed warbler)     | <i>Larus ridibundus</i> (Black-headed gull)    | <i>Falco tinnunculus</i> (Kestrel)         |
| <i>Ficedula hypoleuca</i> (Pied flycatcher)          | <i>Acrocephalus schoenobaenus</i> (Sedge warbler) | <i>Morus bassanus</i> (Gannet)                 | <i>Miliaria calandra</i> (Corn bunting)    |
| <i>Fringilla coelebs</i> (Chaffinch)                 | <i>Cettia cetti</i> (Cetti's warbler)             | <i>Phalacrocorax aristotelis</i> (Shag)        | <i>Motacilla flava</i> (Yellow wagtail)    |
| <i>Garrulus glandarius</i> (Jay)                     | <i>Emberiza schoeniclus</i> (Reed bunting)        | <i>Phalacrocorax carbo</i> (Cormorant)         | <i>Passer montanus</i> (Tree sparrow)      |
| <i>Loxia curvirostra</i> (Crossbill)                 | <i>Cygnus olor</i> (Mute swan)                    | <i>Rissa tridactyla</i> (Kittiwake)            | <i>Perdix perdix</i> (Grey partridge)      |
| <i>Luscinia megarhynchos</i> (Nightingale)           | <i>Anas crecca</i> (Teal)                         | <i>Sternula albifrons</i> (Little tern)        | <i>Streptopelia turtur</i> (Turtle dove)   |
| <i>Muscicapa striata</i> (Spotted flycatcher)        | <i>Numenius arquata</i> (Curlew)                  | <i>Sterna hirundo</i> (Common tern)            | <i>Sturnus vulgaris</i> (Starling)         |

| Woodland Birds                                 | Waterbirds                                   | Seabirds                                   | Farmland Birds                       |
|--|--|--|--------------------------------------|
| <i>Parus major</i> (Great tit)                 | <i>Vanellus vanellus</i> (Lapwing)           | <i>Sterna paradisaea</i> (Arctic tern)     | <i>Sylvia communis</i> (Whitethroat) |
| <i>Periparus ater</i> (Coal tit)               | <i>Gallinago gallinago</i> (Snipe)           | <i>Sterna sandvicensis</i> (Sandwich tern) | <i>Vanellus vanellus</i> (Lapwing)   |
| <i>Phoenicurus phoenicurus</i> (Redstart)      | <i>Tringa tetanus</i> (Redshank)             |  |                                      |
| <i>Phylloscopus collybita</i> (Chiffchaff)     | <i>Motacilla flava</i> (Yellow wagtail)      |  |                                      |
| <i>Phylloscopus sibilatrix</i> (Wood warbler)  | <i>Ardea cinerea</i> (Grey heron)            |  |                                      |
| <i>Phylloscopus trochilus</i> (Willow warbler) | <i>Alcedo atthis</i> (Kingfisher)            |  |                                      |
| <i>Picus viridis</i> (Green woodpecker)        | <i>Haematopus ostralegus</i> (Oystercatcher) |  |                                      |
| <i>Poecile montanus</i> (Willow tit)           | <i>Riparia riparia</i> (Sand martin)         |  |                                      |
| <i>Poecile palustris</i> (Marsh tit)           |  |  |                                      |
| <i>Prunella modularis</i> (Dunnock)            |  |  |                                      |
| <i>Pyrrhula pyrrhula</i> (Bullfinch)           |  |  |                                      |
| <i>Regulus regulus</i> (Goldcrest)             |  |  |                                      |
| <i>Sitta europaea</i> (Nuthatch)               |  |  |                                      |
| <i>Strix aluco</i> (Tawny owl)                 |  |  |                                      |
| <i>Sylvia atricapilla</i> (Blackcap)           |  |  |                                      |
| <i>Sylvia borin</i> (Garden warbler)           |  |  |                                      |
| <i>Sylvia curruca</i> (Lesser whitethroat)     |  |  |                                      |
| <i>Tetrao urogallus</i> (Capercaillie)         |  |  |                                      |
| <i>Troglodytes troglodytes</i> (Wren)          |  |  |                                      |
| <i>Turdus merula</i> (Blackbird)               |  |  |                                      |
| <i>Turdus philomelos</i> (Song thrush)         |  |  |                                      |

**Table C.2 Species Used to Calculate the Wintering Waterbird Measure**

|   |   |   |
|---|---|---|
| <i>Anas acuta</i> (Pintail)   | <i>Branta bernicla hrota</i> (Light-bellied brent goose - east Canadian population) | <i>Limosa limosa</i> (Black-tailed godwit)      |
| <i>Anas clypeata</i> (Shoveler)                                     | <i>Branta bernicla hrota</i> (Light-bellied brent goose - Svalbard population)      | <i>Mergus merganser</i> (Goosander)             |
| <i>Anas crecca</i> (Teal)   | <i>Branta leucopsis</i> (Barnacle goose - Greenland population)                     | <i>Mergus serrator</i> (Red-breasted merganser) |
| <i>Anas Penelope</i> (Wigeon)                                       | <i>Branta leucopsis</i> (Barnacle goose - Svalbard population)                      | <i>Numenius arquata</i> (Curlew)                |
| <i>Anas platyrhynchos</i> (Mallard)                                 | <i>Bucephala clangula</i> (Goldeneye)   | <i>Phalacrocorax carbo</i> (Cormorant)          |
| <i>Anas strepera</i> (Gadwall)                                      | <i>Calidris alba</i> (Sanderling)   | <i>Pluvialis apricaria</i> (Golden plover)      |
| <i>Anser albifrons albifrons</i> (European white-fronted goose)     | <i>Calidris alpina</i> (Dunlin)   | <i>Pluvialis squatarola</i> (Grey plover)       |
| <i>Anser albifrons flavirostris</i> (Greenland white-fronted goose) | <i>Calidris canuta</i> (Knot)   | <i>Podiceps cristatus</i> (Great crested grebe) |
| <i>Anser anser</i> (Greylag goose - Icelandic population)           | <i>Calidris maritima</i> (Purple sandpiper)   | <i>Recurvirostra avosetta</i> (Avocet)          |
| <i>Anser anser</i> (Greylag goose - northwest Scottish population)  | <i>Charadrius hiaticula</i> (Ringed plover)   | <i>Somateria mollissima</i> (Eider)             |
| <i>Anser brachyrhynchus</i> (Pink-footed goose)                     | <i>Cygnus columbianus</i> (Bewick's swan)   | <i>Tachybaptus ruficollis</i> (Little grebe)    |
| <i>Arenaria interpres</i> (Turnstone)                               | <i>Cygnus Cygnus</i> (Whooper swan)   | <i>Tadorna tadorna</i> (Shelduck)               |
| <i>Aythya farina</i> (Pochard)                                      | <i>Cygnus olor</i> (Mute swan)  | <i>Tringa tetanus</i> (Redshank)                |
| <i>Aythya fuligula</i> (Tufted duck)                                | <i>Fulica atra</i> (Coot)   | <i>Vanellus vanellus</i> (Lapwing)              |
| <i>Aythya marila</i> (Scaup)  | <i>Haematopus ostralegus</i> (Oystercatcher)  |   |
| <i>Branta bernicla bernicla</i> (Dark-bellied brent goose)          | <i>Limosa lapponica</i> (Bar-tailed godwit)   |   |

**Table C.3 Species Used to Calculate Butterfly Population Indices**

| Generalist Butterflies                           | Habitat Specialist Butterflies                          |
|--|---|
| <i>Aglaia urticae</i> (Small tortoiseshell)      | <i>Apatura iris</i> (Purple emperor)                    |
| <i>Anthocharis cardamines</i> (Orange-tip)       | <i>Argynnis adippe</i> (High brown fritillary)          |
| <i>Aphantopus hyperantus</i> (Ringlet)           | <i>Argynnis aglaja</i> (Dark green fritillary)          |
| <i>Aricia agestis</i> (Brown argus)              | <i>Argynnis paphia</i> (Silver-washed fritillary)       |
| <i>Celastrina argiolus</i> (Holly blue)          | <i>Aricia artaxerxes</i> (Northern brown argus)         |
| <i>Coenonympha pamphilus</i> (Small heath)       | <i>Boloria euphrosyne</i> (Pearl-bordered fritillary)   |
| <i>Erebia aethiops</i> (Scotch argus)            | <i>Boloria selene</i> (Small pearl-bordered fritillary) |
| <i>Gonepteryx rhamni</i> (Brimstone)             | <i>Callophrys rubi</i> (Green hairstreak)               |
| <i>Inachis io</i> (Peacock)                      | <i>Cupido minimus</i> (Small blue)                      |
| <i>Lasiommata megera</i> (Wall)                  | <i>Erynnis tages</i> (Dingy skipper)                    |
| <i>Lycaena phlaeas</i> (Small copper)            | <i>Euphydryas aurinia</i> (Marsh fritillary)            |
| <i>Maniola jurtina</i> (Meadow brown)            | <i>Hamearis lucina</i> (Duke of Burgundy)               |
| <i>Melannargia galathea</i> (Marbled white)      | <i>Hesperia comma</i> (Silver-spotted skipper)          |
| <i>Neozephyrus quercus</i> (Purple hairstreak)   | <i>Hipparchia semele</i> (Grayling)                     |
| <i>Ochlodes venata</i> (Large skipper)           | <i>Leptidea sinapis</i> (Wood white)                    |
| <i>Pararge aegeria</i> (Speckled wood)           | <i>Limenitis camilla</i> (White admiral)                |
| <i>Pieris brassicae</i> (Large white)            | <i>Lysandra bellargus</i> (Adonis blue)                 |
| <i>Pieris napi</i> (Green-veined white)          | <i>Lysandra coridon</i> (Chalkhill blue)                |
| <i>Pieris rapae</i> (Small white)                | <i>Melitaea athalia</i> (Heath fritillary)              |
| <i>Polygonia c-album</i> (Comma)                 | <i>Papilio glaucas</i> (Swallowtail)                    |
| <i>Polyommatus icarus</i> (Common blue)          | <i>Plebeius argus</i> (Silver-studded blue)             |
| <i>Pyronia tithonus</i> (Gatekeeper)             | <i>Pteridium aquilinum</i> (Large heath)                |
| <i>Satyrus w-album</i> (White-letter hairstreak) | <i>Pyrgus malvae</i> (Grizzled skipper)                 |
| <i>Thymelicus sylvestris</i> (Small skipper)     | <i>Thecla betulae</i> (Brown hairstreak)                |
|  | <i>Thymelicus acteon</i> (Lulworth skipper)             |