

INDEX

Only the more important bird and place names are included, and the information of Table 1 is not indexed. Principal references are printed in bold.

- Abbeystead gullery 167–8
 acidification 82–5, 98, 150–3, 192, 211, 216, 224, 234
 adaptation, ecological 23, 48, 61, 68, 86–7, 149, 207–12
 afforestation 12, 49, 53–4, 67–8, 72–5, 80–5, 99–100, 103, 109, 113, 117–18, 122–5, 129–32, 153, 164–6, 175, 187, 209, 213–18, 225–8, **229–32**, 233
 aggressiveness 79, 96, 102, 109, 126, 142, 151–2, 171, 186–7
 alternative nest sites 56, 59, 119, 138
 altitudinal descent, of life zones 16, 24, 33, 155, 178, 180, 185, 187, 191, 196
 altitudinal zonation, of habitat 3, 18–20, 33, 180, 184
 Arctic 13, 19–20, 24, 28–9, 85, 105, 113, 157, 160, 164, 173, 178, 180–7, 193–8, 200–1, 203, 206–8, 224
 Arctic Skua 16, 29, 158, 161, 165, 170–1, 172–3, 177, 227
 Argyll 66, 123, 143, 145, 191, 230
 Arran 152, 154, 183, 203
 assortive mating 106
 asynchronous hatching 51–2, 127, 138
 atmospheric pollution 83, 98, 224, 234
- Barn Owl 87, 210
 Ben Macdhui 185, 191, 221
 Ben Nevis 19, 23
 bird remains, in cave earths 27–8
 bird protection 122, 170–1, 222, 225–8, 232, 234–6
 Black Grouse 17, 21, 90, 101–4, 130–1, 134, 144, 214–15
 Black-headed Gull, 17, 44, 114, 162, 166, 220
 Black-throated Diver 17, 29, 152–4, 160, 201–4, 218, 221, 235
- blanket bogs 26, 32–3, 38, 77–8 89, 104, 108, 110, 116–17, 169–74, 181–2, 206, 230–1, 235
 Bluethroat 17, 29, 204
 Borders, Scottish 14, 62, 65, 84, 103, 210
 boreal forest 16–7, 30–2, 89, 102, 106, 149
 Boreal region 13, 16, 24, 30, 149, 153, 200–1
 Bowland Fells 61, 92, 124, 167–8, 227
 Brecon Beacons 227
 breeding density 47–8, 52, 55–6, 60–2, 66, 70, 75, 77, 79, 82, 84, 90, 108, 113, 119, 126, 128–9, 140, 145, 150, 157, 167, 177, 185–6, 193
 breeding maturity, delayed 138, 141, 172
 breeding performance 43–4, 51, 53, 60, 96, 117, 121, 139, 141–2, 144, 153, 177–8, 186, 193, 198, 212
 breeding season, duration of 20–3, 203
 British Trust for Ornithology 15
 buildings, as nesting habitat 61, 68, 74, 86–7
 Buzzard 17, 21, **45–9**, 52, 56–7, 65–6, 71, 117, 119, 137, 139, 145, 178, 201, 207–8, 214, 216, 222, 224, 227
- Cairngorms 1, 14, 32, 106, 135, 137, 145, 151, 169, 179–80, 182, 185–6, 188, 191–2, 194, 197–8, 208, 221
 Caithness 1, 146, 155–66, 171–2, 175, 183
 carrion, as food 21, 44, 48, 49–52, 65, 134, 140, 142, 145, 171, 214
 Carrion Crow 17, 21, **44**, **63–8**, 98–100, 109, 111, 119, 121, 214, 222, 227
 carrying capacity 24–6, 33, 123, 131, 133, 144–5, 150, 156, 170, 213, 224
 Cheviots 24, 39, 46, 53, 60, 75, 79, 99, 102–3, 108, 111, 115, 117–18, 123, 129, 136, 139, 156, 167, 182, 211, 227, 230
 Chough 17, **68–9**, 87, 178, 208, 214, 218, 235

- clear fells, in forest 103, 109, 117, 123, 131, 166, 215–16
- cliff-nesting 17, 23, 45–6, 50, 55–7, 60–4, 66, 68, 73, 76, 119, 121, 137–8, 140, 144–5, 163, 178, 210
- climatic change 13, 18, 29–33, 117, 158, 173, 176, 178, 189, 198, 200, 204, 212, 224, 236
- climatic gradients 1–3, 18–23, 33, 98, 155, 169, 200
- climatic limits, to bird distribution 18, 26–33, 173, 183, 204–6, 208
- climatic optimum 32, 224
- Common Gull 17, 145, 162, 166, 168–9, 220
- Common Sandpiper 17, 24, 84–5, 149, 158, 182, 218, 220, 227
- Common Scoter 17, 29, 145, 157, 160–1, 166, 201, 218
- Common Snipe 17, 22, 55, 78–9, 80–1, 114, 125, 144, 158, 182, 207, 214–15, 218, 236
- communal roosting 53–4, 126–7
- competition
 interspecific 53, 73, 145, 172, 175, 208
 intraspecific 95–6, 100, 198
- conservation 12, 15, 43, 45, 61, 132, 144, 166, 171, 213–36
 objectives 225–6
- Correen Hills 168
- cryptic coloration 111, 149, 186
- Cuckoo 17, 70–2, 75, 164, 201, 207, 214, 227
- Curlew 17, 22, 29, 55, 79–80, 109, 114, 130–1, 158, 166, 206–8, 214–15, 219, 227, 236
- cycles, in population 61–2, 94–7, 100, 114, 128–30, 185, 204
- Dartmoor 1, 28, 39, 48, 73, 90, 110, 117, 155, 209, 227
- decline, in bird populations 42, 49–50, 52, 55, 59, 62, 79, 80, 82, 85, 93, 95, 97–100, 103, 109, 117, 119, 121, 131, 144–5, 153, 162, 167, 170, 175, 177, 187–8, 204, 222, 231
- Deer forest 35, 37, 49, 60, 81, 116, 133–54, 157, 232
- Dipper 17, 20, 76, 81–3, 85, 164, 201, 203, 216, 218, 220, 224, 227, 236
- disjunct distributions 116, 171, 201
- displays 77, 79, 90, 102–3, 106, 112, 126–7, 139, 146, 149, 171–3, 175, 190, 193
- disturbance effects 53, 57, 61, 85, 153, 192, 219–21
- Dotterel 14, 16, 24, 29, 33, 72, 104, 112, 157, 187–93, 199, 200, 202, 204–5, 212, 214, 219, 221, 227, 235
- double broods 70, 75, 198, 203
- draining, of wet ground 79–81, 214
- Dunlin 16, 26, 29, 110–14, 130–1, 144–5, 157–8, 166, 170, 181–2, 201, 214–16, 219–21, 227, 235–6
- egg collecting 14, 43–4, 53, 58, 121–2, 136, 142, 151, 158, 171, 175, 223
- eggshell thinning 59, 118, 140–1
- Eskdalemuir 63, 129, 230
- evolution and selection 18, 51, 57, 100, 103, 105, 182, 206–9, 212
- Exmoor 39, 90, 117, 133, 227
- Fair Isle 143, 173, 178
- falconry 163, 223
- farming, influence of 3, 12, 34, 44, 50, 52, 54, 80, 171, 213–14, 222, 225, 227–28, 233
- feeding behaviour 44, 51, 55, 66, 68, 75, 83–4, 107, 116, 125, 128, 146–8, 152, 162
- fell-field 26, 29, 32, 85, 106, 169, 178, 181–4, 191, 198, 201, 208
- Fetlar 170, 175, 178–9, 198
- Fieldfare 17, 22, 30, 56, 204
- fishing 85, 151–3, 177, 189, 220–1
- Flow Country 85, 104, 111, 113, 150–1, 155–66, 206, 230, 236
- food 18, 20–1, 44, 48–53, 55–6, 60, 62, 66, 68, 71, 83, 93–4, 96, 100, 102, 107, 113, 116, 118–19, 124, 126, 128–9, 140, 146, 152–3, 157, 168, 170–1, 173, 175, 184, 192, 197, 208
- forest
 destruction 3, 33, 35–7, 41, 90, 133–4, 207, 213
 composition 30, 32, 40–1
 marshes and bogs 16, 32, 146, 149, 159, 175, 201, 207, 209
- Forestry Commission 49, 122, 129, 153, 229–32
- Foula 171–2, 177
- Fox 56, 66, 71, 77, 98–9, 109, 121, 152, 166, 177, 186, 222
- fringe species 20, 32, 68, 158–62, 172–6, 178–9, 187, 193–5, 200, 205, 226
- Galloway 39, 45, 49–50, 69, 79, 85, 118, 122–4, 126, 131, 133, 136–7, 139, 142, 150, 152, 154–5, 183, 188, 210–11, 230
- gamekeepers 35, 42, 46, 52, 58, 63, 66, 92, 97, 100–1, 109, 121–6, 136, 162, 167, 211, 222

- Game Conservancy 97–8
 geographical divergence 85, 89, 105, 111, 182–3, 197, 206–7
 geology, influence of 24–7, 39, 79, 96, 169–70, 186, 193, 209
 Glen Dye 89, 126
 Golden Eagle 13–14, 16, 21, 46, 53, 57, 66, 77, 117, 125, 135–42, 144–5, 163–4, 178, 182, 186, 201–2, 207–8, 214, 216, 220, 222, 224, 232, 235–6
 Goldeneye 17, 22, 164
 Golden Plover 13, 16, 22, 24, 26, 29, 32–3, 55, 67, 78, 104–9, 110–12, 130–1, 144–5, 149, 157–8, 165–6, 170, 173, 181, 201, 203–5, 207, 211–12, 214–16, 219, 221–2, 227, 232, 235–6
 Goosander 17, 29, 86, 145, 161, 222
 Goshawk 46, 68, 100, 153, 215
 Grampians 26, 133, 180–2, 185, 188, 191, 193
 Grasshopper Warbler 18, 130, 210, 215–16
 grazing, effects of 34, 37, 39–41, 80, 98, 101–2, 107, 129–30, 183, 192
 Great Black-backed Gull 17, 162–3, 167–9
 Great Northern Diver 29, 154, 204
 Great Skua 16, 126, 170–2, 177, 201, 208, 227
 greenhouse effect (global warming) 224, 234, 236
 Green Sandpiper 22, 30
 Greenshank 14, 16, 30, 112, 146–52, 157–8, 165–6, 201–2, 204, 207, 215, 218, 220–1, 235–6
 Greylag Goose 17, 21, 145, 157, 160, 201, 206
 Grey Wagtail 17, 76, 83–4, 87, 164, 203, 220, 227
 Grouse Disease 93–4, 96, 100
 grouse moor 35, 37, 46, 54, 61, 63, 78–9, 81, 88–132, 144, 150, 157, 210, 213, 222, 232
 Grouse shooting 12, 35, 88, 92–3, 95, 97, 125
 Gyr Falcon 29, 56, 163, 209
 hang-gliding 221
 Hardangervidda 28, 180, 196
 heather moorland 39, 40, 73, 78, 88–90, 94, 98, 104, 114, 116–17, 119–20, 122–3, 128, 232
 loss of 39–40, 88, 91, 98, 121, 183, 213–14
 Hebrides 26, 39, 81, 113, 115, 144, 154, 169, 210
 Inner 172, 175
 Outer 16, 73, 111, 113, 122, 170, 172–3, 175, 178, 210
 Hen Harrier 17, 22, 71, 117, 122–7, 129, 145, 163, 169–70, 202, 208–10, 214–15, 222, 232, 235–6
 Herring Gull 17, 162–3, 167–9
 Highlands
 northern 21, 55, 60, 115, 144, 152, 155, 211
 western 39, 55, 60, 63, 91, 108, 115, 137, 139–40, 143–44, 149–50, 155, 211
 central 26, 76, 98–9, 123, 133, 152, 185–6, 189
 southern 39, 55–6, 60, 98, 123
 eastern 56, 123, 139, 142, 154, 156
 historical influences 18, 26–38, 200–1
 homing instinct 148, 193–4, 205
 Hooded Crow 17, 21, 63–8, 145, 153, 163–4, 169, 177, 214
 hydro-electric developments 85, 151, 218, 233
 Ice Age 13, 26–30, 182, 201
 increase, in bird populations 43, 45–6, 59–60, 80, 85–6, 90, 123, 130, 136, 145, 167, 171–3, 177, 189, 195, 198, 204, 207–8, 213
 incubation, sexes sharing 107, 118, 148
 Institute of Terrestrial Ecology 14, 144
 international conservation measures 235–6
 island bird faunas 201–3
 Islay 68, 73, 87
 Isle of Man 17, 63, 68, 81, 87, 202
 Jackdaw 17, 44, 51, 63, 86, 218
 Jack Snipe 22, 29, 209
 Kerloch Moor 95, 108–9
 Kestrel 17, 21, 61–3, 65, 71, 87, 129–30, 164, 169–70, 178, 201, 208, 215, 218, 222
 Kielder 123, 131, 230, 233
 Kintyre 123, 126, 136, 230
 lakes 17, 28–30, 83–4, 86, 110, 114, 145–7, 149–54, 157–61, 166, 175, 201, 208, 220–1
 Lake District (Lakeland) 39, 49–50, 52, 55–6, 60, 68, 91, 104, 114–15, 117, 136, 141–3, 182–3, 188, 227
 lamb-killing, by Eagles 136, 140
 Lammermuir 89
 Lapland Bunting 16, 28, 198, 200, 204
 Lapwing 17, 22, 24, 44, 55, 77–8, 80, 107, 109, 114, 130, 144, 158, 203, 207, 214, 218–19, 221
 Lek behaviour 102–3
 Lemming 19, 95, 173, 179, 208

- Lesser Black-backed Gull 17, 162–3, **166–9**
 Lewis 111, 155, 163, 166, 170
 limestone, importance of 25–6, 40, 77, 82,
 104, 108, 186
 Long-tailed Skua 29, 173, 212
- Machair 26, 111, 113, 175–6
 Magpie 44, 119, 210
 Mallard 17, 22, 86, 160
 management, for birds 35, 88, 92, 94, 100,
 107, 153, 225
 marginal land 12, 17, 21, 44, 79–80, 101–2,
 123, 164, 169–70, 214
 maritime influence 169–70
 Marsh Harrier 122, 211
 Meadow Pipit 17, 20–1, 55, 70–2, 75, 119–
 21, 125, 130–1, 145, 163–4, 182, 203,
 207, 214, 216, 227
 Merlin 16, 21–2, 29, 33, 65, 71, 75, 117–22,
 145, 163, 169–70, 178, 201, 207, 214–
 15, 222, 224, 227, 235–6
 migration and movements 20–3, 29, 45–6,
 54, 56, 63, 68–73, 77–8, 80, 84, 105–6,
 111, 114, 116, 126–7, 136, 139, 146,
 172, 176–8, 189, 191, 194, 197, 203–5,
 211–12
 mineral extraction 218, 232
 Moffat Hills 62, 136, 143, 188
 Montagu's Harrier 122, 209–10
 montane zone 3, 16, 18–20, 24, 32, 72–3, 85,
 104, 108, 111, 169, 180–99, 200, 207
 moor-burning 12, 37, 39, 88, 92, 94, 98–9,
 101, 108–9, 122, 129, 152, 183, 222
 Moorfoot Hills 108
 Mountain Hare 108, 134, 144
 Mull 145, 183, 203
- National Nature Reserves 226, 232
 National Parks 227–8, 232
 Nature Conservancy Council 14, 144, 158,
 226, 230, 236
 nest-site selection 50, 56–7, 61–5, 68, 71–8,
 82–4, 86–7, 108, 119, 122, 138, 171,
 173–4, 177–9, 181–5, 191, 196
 Nightjar 17, **116–17**, 131, 204, 216, 235
 non-breeding, in population 47, 53–4, 65–6,
 100, 108, 119, 139, 172, 187, 197
 North York Moors 61, 89, 216, 227
 Northern England 35, 42, 63, 85, 98, 117,
 123, 136, 188–9, 191, 198
 Northern Ireland 45–6
 Northumberland 62, 119, 121, 209, 211,
 219, 227
- oceanic islands 17, 169–79, 201–3
 Orkney 61, 73, 81, 85, 109, 111, 117, 122–3,
 126–7, 169–79, 202
- Osprey 17, 211, 223
 Otter 153, 177
 Oystercatcher 17, 80, **85**, 158, 214, 220
- parasites 93–4, 96–7, 133
 Peak District 84, 92, 97, 103, 109, 116–17,
 121, 227
 peat formation 25, 32, 89, 155
 Pennines 24, 39, 44, 46, 52, 60, 70, 72, 74–
 5, 77–9, 86, 92, 98, 100, 103, 110, 113,
 116, 124, 136, 139, 155–6, 166, 182,
 188, 222, 227
 Pentland Hills 75
 Peregrine 13–14, 17, 21, **55–61**, 62–3, 67,
 71, 75, 77, 79, 87, 117, 125, 140, 145,
 163, 178, 182, 186, 201, 203, 208, 210–
 11, 218–19, 221–3, 227, 232, 235
 pesticide problems 59–60, 62, 118, 141
 Pied Wagtail 17, 75, 87, 164, 203
 Plover's page behaviour 111–12
 poison, misuse of 44–5, 66, 222–3
 politics, of conservation 228–36
 polygamy 103, 126, 170, 193, 198
 post-glacial period (Holocene) 29–33
 predation 44, 47–8, 55, 61–2, 66–7, 70–1,
 75, 77, 79, 86, 95, 98–101, 109, 111–12,
 124–5, 129–31, 139, 145, 151, 153, 163,
 171–2, 177, 186–7, 192, 199, 208, 222
 predator destruction 35, 45–6, 53, 57–8, 63,
 86, 92, 117, 122, 124, 136, 142, 162,
 167, 209, 211, 213, 232
 Ptarmigan 14, 16, 18–19, 21–2, 24, 26, 28–9,
 32–3, 56, 72, 90, 134, 144, 171, 179,
 182–7, 191, 203, 207–8, 219, 221
 Purple Sandpiper 16, 29, 157, **198**, 200,
 204, 227, 235
- quarries 55, 61, 68, 73, 86
- Rabbit 46–9, 63, 68, 134, 179
Racomitrium heath 180–1, 191–2
 rainfall 3, 19, 25, 32, 88, 94, 113, 152, 155,
 203
 raised bogs (lowland peat mosses) 33, 89–
 90, 111, 113, 115, 117–18, 122, 127,
 155, 166–7, 211
 Rannoch Moor 152
 Raven 17, 21, 29, 45–6, **49–54**, 56–7, 61–6,
 71, 77, 117, 119, 145, 164, 178, 182,
 201, 207–8, 214, 216, 218–22, 227, 232,
 236
 reclamation of moorland 12, 34, 68, 80–1,
 170, **214**, 229
 recreational disturbance 192, 219–21
 Red-breasted Merganser 17, 29, **86**, 145,
 161, 222

- Red Deer 12, 21, 34–5, 38–9, 133–4, 145, 156, 213
- Red Grouse 3, 12–14, 16, 19, 21–2, 26, 28, 32, 35, 38, 55–6, 67, 81, 89–101, 104, 108, 124, 130–1, 134, 136, 144–5, 163–4, 166–7, 170, 182, 185–7, 203, 206–7, 212–15, 219, 232, 236
- Red Kite 17, 42–5, 46, 67–8, 208, 222–3, 235–6
- Red-necked Phalarope 16–17, 29, 158–9, 175–6, 201–2, 204–5, 227, 235
- Redshank 17, 79, 80, 114, 158, 203, 214, 218
- Red-throated Diver 17, 29, 152–3, 157–8, 160, 165–6, 177–8, 201, 204, 221, 235
- Redwing 17, 22, 30, 56, 204, 215
- Reed Bunting 18, 210, 216
- re-introductions 45, 143–4, 183
- relict species 13, 43, 182–3, 187, 200
- Rhum 143–4, 183, 209
- Ring Ouzel 16, 20, 73–5, 87, 114, 164, 178, 182, 201, 203, 207, 210, 214–15, 218
- Ringed Plover 17, 85, 158, 208, 220, 227
- ringing, information from 45, 106, 191
- roads, making of hill 221, 233
- rock-climbing 53, 56, 219–20
- Ross-shire 146, 191
- Rough-legged Buzzard 22, 29, 212
- Royal Society for the Protection of Birds 15, 141, 144, 153, 158, 223, 226–7, 230
- Ruff 16, 159, 201, 207, 235
- Scandinavia 19, 28–9, 70, 82, 105–6, 109, 116, 144, 153, 163, 174–6, 180–1, 187, 191, 194–8, 209
- seabirds 162, 169, 171–3, 179
- Sea Eagle (White-tailed Eagle) 142–4, 178, 223, 235–6
- sequential nesting, in Golden Plover 108
- sex role reversal 159, 193
- sheepwalks, 12, 34–8, 39–81, 89, 91, 119–21, 129–30, 157, 213
- Shetland 3, 73, 81, 111, 117, 156, 169–79, 196, 202–3
- Shore Lark 16, 28, 198, 200–1, 204, 206
- Short-eared Owl, 17, 22, 62, 71, 95, 127–30, 163, 169–70, 202, 208, 214–15, 235
- Short-tailed Field Vole 61–2, 95, 125, 128–30, 164, 170
- ski developments 221, 233
- Skye 1, 138, 183, 202–3
- Skylark 17, 20–1, 72, 75, 119, 164, 182, 203, 207, 214, 227
- Sites of Special Scientific Interest 226–7, 230
- Snow Bunting 14, 16, 21, 24, 28–9, 72, 193–8, 200, 203, 205, 208, 227
- Snowdonia 39, 52, 55–6, 60, 70, 136, 188, 227
- snow influence 19–22, 24, 180–1, 184, 187, 195–7, 203, 205
- Snowy Owl 16, 29, 95, 178–9, 198, 200, 204, 208, 235
- soils 24–7, 33–4, 39, 75, 77, 96, 106–7, 113, 168–9, 176, 186
- solifluction features 19–20, 28, 181, 191
- South-west England 42–3, 45, 50, 52, 85, 103
- Southern Uplands 35, 39, 42, 46, 53, 55, 60, 68, 73, 75, 80, 91, 93, 99, 103, 109, 111, 114–15, 117, 123, 129, 136, 156, 188, 192
- spacing behaviour 48, 52, 55, 62, 82, 84, 108, 150
- Spey Valley 48, 84–5, 146, 152, 222
- St Kilda 171, 178, 196, 202
- Stock Dove 17, 63, 86, 203, 218
- Stonechat 17, 20, 72–3, 114, 130, 164, 203–5, 207, 214–15, 222
- Strath Don 88–9
- streams 17, 28–9, 39–40, 73, 76, 81–6, 110, 114, 145–6, 149–51, 157, 159, 161, 164, 208, 220
- Sutherland 84, 123, 143, 146, 150, 155–66, 171, 183, 185, 191
- Teal 17, 29, 160
- Temminck's Stint 16, 29, 159, 201, 207, 235
- temperature 3, 18–19, 32–3, 98, 184, 206, 224
- territory 22, 48, 52, 62–3, 70, 77, 79, 82, 84, 95–6, 103, 106, 108, 113, 119, 125, 127, 129, 131, 138–40, 146, 186–7, 193, 197
- topography 18, 23–4, 39–40, 88, 181, 184, 201
- trampling, of nests 80, 121, 192
- tree-line 3, 16, 32, 41, 89, 182, 206–7
- tree-nesting 17, 42, 45, 52, 61, 64–6, 119, 121, 137–8, 140, 144, 163, 208, 211, 219
- Tree Pipit 18, 75, 130, 210, 215–16
- tundra 16, 24, 26, 28–30, 32, 106, 113, 157, 160–2, 164, 171, 173, 176, 178, 187, 200–1, 207–8
- Twite 16–17, 20, 115–16, 164, 178, 201, 203, 207, 214
- Unst 170–1, 177
- upland birds, definition and list 3, 16–18
- uplands, definition and extent 1, 3, 89, 155
- Wales 14, 35, 39, 41–6, 50, 52–3, 60, 63, 75, 82, 86, 90, 93, 99, 103, 109–10, 114–15, 117, 119, 121, 123, 128, 136, 156, 182, 188, 192
- water use 167, 218, 233

-
- weather, effects of 20, 22–3, 50, 54, 56, 63,
 68, 77, 83–4, 90, 94, 96, 98, 100, 102,
 113–14, 116, 119, 127, 138, 147, 152,
 186, 197, 203, 206
 Wester Ross 140, 143–4, 154, 185, 233
 Western Ireland 17, 37–9, 90, 104, 108, 111,
 115, 133, 136, 142, 145–46, 150, 154–5,
 166, 175, 188, 206, 208
 Wheatear 17, 20–1, 72, 87, 164, 182, 207,
 215, 227
 Whimbrel 16, 29, 157, 173–5, 201, 204, 206,
 235
 Whinchat 17, 20, 72, 73, 75, 114, 130, 164,
 203, 207, 214–16
 Whooper Swan 17, 29, 164
 Wigeon 17, 29, 145, 157, 160, 218
 wilderness, loss of 165–6, 225, 230, 233
 Willow Grouse 16, 28, 29, 89, 206–7
 Willow Warbler 18, 130, 210, 216
 Woodcock 22, 85, 149, 211, 215
 Wood Sandpiper 16, 30, 158, 201, 204, 207,
 227, 235
 Wren 17, 20, 76–7, 87, 164, 182, 203, 215,
 218