

Index

- A**
Acanthaster (crown-of-thorns), 230, 309, 310
Acidification, 70, 72, 83, 138, 182, 185, 186, 281
Acropora
 A. cervicornis, 64, 66, 101, 113
 A. palmata, 17, 19, 38, 50, 62, 64, 65, 93, 101, 103, 104, 113
 disease, 19
Active fringing reef, 63–65, 104
Aeolianites, 115, 122
Agaricia, 17, 62, 64, 66, 67, 101, 103–105, 123, 136, 156, 160, 189, 191
Ahermatypic, 219
Algae, 17, 19, 20, 38, 41, 52, 53, 62–66, 72, 75, 77, 79, 82, 83, 91, 101, 102, 104, 109, 112, 118, 123, 127, 128, 135, 144, 159, 177, 178, 186, 213, 215–219, 221, 242, 244, 247, 266, 276, 307, 308, 314
Algae-benthic, 17, 19, 20, 102, 109, 123, 215, 266
Algal ridges, 225, 281
Algal-vermetid reefs, 128, 129
Allopatric speciation, 162
Amenity value, 206
Anchor damage, 34, 39, 45, 75, 82, 83, 117
Anegada Limestone Formation, 25, 29, 49–52, 55, 57
Angelfish, 20, 161, 164, 220, 256
Antifouling compounds, 175, 283
Antipatharia, 123, 189–199
Argus/Plantagenet bank, 118, 158
Arthropoda, 166
Artificial reefs, 37, 95
Artisanal fishing, 85
Ascension frigatebird, 215
Ascension Island, 2, 213–221
Azooxanthellate, 156, 157, 191–192, 195, 196
- B**
Ballast water, 248
Bank patch reefs, 101–103, 110
Barrel sponges, 67, 92, 93, 105
Barren rock pavement, 63–65, 109
Barrier islands, 55, 56
Barrier reef, 2–4, 7, 8, 31, 37, 52, 100–102, 104–105, 107–110, 266
Beach debris, 89, 283, 290, 308
Beach ridges, 50, 79, 80
Beachrock, 28, 50, 51, 57, 58, 72, 74–76
Bermuda, 1, 66, 84, 97, 115, 135, 153, 173, 189–199, 201–221
Bermuda Platform, 8, 115–121, 123, 124, 128, 131, 135–148, 154, 210
Biocides, 283, 289
Biodiversity, 1, 8, 41–43, 59, 69, 70, 79, 82, 91, 92, 99, 113, 153–169, 209, 215, 226, 234, 236, 247, 248, 271, 272, 280, 299, 308, 313, 318
Biological connectivity, 228–229
Biological productivity, 236
Birgus latro (coconut crab), 230–232, 272
Blackfish, 217, 219–221
Bleaching, 18, 33, 45, 61, 69, 70, 72–75, 139, 158, 168, 173, 176–180, 201, 244, 247, 248, 254, 265
Bleaching events, 33, 45, 71–75, 112, 168, 169, 176, 179, 184, 201, 241, 246, 248, 259
Blenheim atoll, 8, 225
Blue-green algae, 217, 219, 314
Boobies, 82, 217, 226
Boulder
 ramparts, 64
 and rock zone-Montserrat, 89–91
 slopes, 216, 217
Briareum, 101, 158–160, 168, 169, 194, 195
British Indian Ocean Territory (BIOT) government, 226, 227, 235–237, 271, 283–297
- C**
Calcareous green algae, 62, 64, 123, 131
Calcification, 83, 121, 137–138, 185, 186
Carbonate banks, 28, 97, 98, 101
Caribbean, 1, 13, 23, 37, 47, 61, 69, 91, 100, 121, 135, 153, 176, 182, 197, 218, 247, 265
Caridean shrimp, 220
Caryophyllia, 191–193, 197
Cats, 215, 280
Cays-sandy, 28
Chagos Environment Network (CEN), 226
Chagos-Laccadive ridge, 7, 225, 234–235
Challenger Bank, 195
Challenger-HMS Expedition, 190, 192, 193
Channel reefs, 101, 102, 110
Charter boat industry, 41
Chelidonis, 196, 197
Chelonia mydas, 75, 77, 80, 215, 272
CITES convention, 226
Clades-zooxanthellae, 158–159
Cladocora, 123, 154
Climate change, 2, 19–20, 47, 58, 69, 80, 83, 111, 112, 129, 137, 154–155, 158, 182–186, 201, 210, 215, 226, 235, 247, 248, 253–268, 281, 294, 316
Climate change projections, 235
Climate monitoring, 19–21, 111, 138, 235–236, 268
Coastal protection, 79, 201, 208–209
Coastal protection value, 208–209
Coconut crab (*Birgus latro*), 230, 231, 272
Coconut trees (*Cocos nucifera*), 271, 294
Colpophyllia, 105, 123, 154
Commercial fishing/fisheries, 110, 112, 117, 175, 204, 234, 315, 317–318

- Community composition, 102, 104, 109, 257
 Conch, 13–15, 45, 46, 70, 75, 84, 92, 102, 110, 166, 217
 Conservation, 1, 13, 37, 38, 42–45, 54, 70, 72, 83, 84, 110, 141, 142, 153, 156, 167, 168, 173, 174, 198, 203, 204, 207, 208, 210, 215, 226, 232, 234, 235, 237, 241, 265, 274, 278, 294, 312–315
 Conservation planning, 1–2
 Cook-Capt James, 213
 Cool water upwelling, 27, 216, 236
 Copra, 224, 271
 Coral-dead, 20, 112, 242, 244
 Coralline algae, 20, 62, 64, 65, 123, 128, 177, 178, 186, 213, 216, 217, 221, 308
 Corallivores, 266
 Corals
 cays, 13, 28, 102, 108, 110, 271
 communities, 3, 17, 66, 123, 127, 128, 136, 155, 156, 169, 189–199, 247, 258, 289
 cover, 17, 19, 33, 38, 45, 71, 72, 83, 112, 123, 124, 127, 137, 145, 173, 201, 241–248, 254–259, 261, 262, 265–268, 307–311
 diseases, 45, 179, 248
 extinction, 248
 growth, 63, 65, 83, 89, 99, 105, 123, 124, 137–138, 155, 246, 307, 308, 310
 juvenile, 138, 244, 246
 mortality, 112, 242, 246, 247, 266, 281, 295
 recovery, 244–247
 reef fisheries, 97, 102, 110, 207, 253–268
 Corals-deep sea, 192, 226
CoxI-trnM, 157
 Cruise ships, 31, 75, 112, 174, 175, 203, 204
 Crustacea, 215, 314
 Cultural value, 201, 206–208
 Current speeds, 119, 120
 Cyanobacteria, 19, 55, 276–277
- D**
 Darwin, 70, 84, 224
 Deep terrace and reefs, 63, 66–67, 72
 Deep-water coral communities, 189–199
Deltocyathoides, 191, 193
Dendropoma, 128
 Development, 23, 31, 32, 34, 37, 41, 45, 47, 59, 61, 63, 65, 69–72, 75, 77, 79–83, 94, 95, 100, 102, 107, 109, 111, 112, 117, 121–122, 127, 131, 136, 140, 142, 154, 159, 174–175, 179, 201, 207, 210, 230, 259, 274, 317, 318
Diadema antillarum ascensionis, 217, 219, 220
 Diego Garcia, 8, 223, 241, 254, 271, 283
 Diffuse attenuation coefficient, 121
Diplodus ascensionis, 220
Diploria, 17, 18, 62, 64–66, 101, 104, 108, 119, 123, 124, 127, 135, 137, 138, 143, 145, 156, 159, 160, 168, 176, 185, 189–191
 Discovery of Chagos, 224, 271
 Diseases, 17–20, 28, 33, 38, 45, 52, 53, 61, 69, 75, 83, 93, 95, 112, 113, 167, 173, 178–182, 247–248
 Dive operators, 21, 41, 203, 210
 Diver recreation, 207
 Dome collapse-volcano, 89, 91, 95
 Dredging, 70, 75, 77, 82, 112, 127, 137, 174, 192
 Drop-off, 61, 64, 66, 72, 97, 100, 103, 104
 Dunes, 58, 59, 115, 122, 275
- E**
 Eastern Caribbean, 4, 37, 89, 92
 Eastern Windward reef System, 93
 Echinodermata, 166–167
 Echinoids, 62, 167, 216, 217, 305, 309
Echinometra lucunter polypora, 219
 Ecological restoration, 282
 Ecoregion, 115, 153, 156, 167, 229, 248
 Ecosystem
 approach, 37
 condition, 263
 goods and services, 201
 process, 254, 263
 Education and sustainable use, 41
 Education value, 201, 209
 Egmont, 8, 223, 224, 271, 274, 286, 290, 291
 Elkhorn coral, 93–95
 El Nino-Southern Oscillation (ENSO), 184, 236, 247
 Endemic species, 135, 164, 168, 220, 277, 312–314
 Environmental awareness, 207
 Environmental governance, 1, 8, 313–315
 Environment Charters, 226, 313
Eunicea, 101, 127, 144, 160, 193–197
 Extinction, 233, 248, 265
- F**
 Faecal steroids, 283, 286
Favia, 101, 135, 138, 157, 160, 176, 190, 191, 307
 F. gravida, 216, 218
 Finance industry, 69–70
 Fire coral, 218, 219, 308
 Fisheries
 commercial, 110, 112, 117, 168, 175, 176, 204, 234, 315, 317
 commercial value, 205
 longline, 232, 233, 263, 315
 purse seine, 232, 233, 315
 recreational, 16, 76, 168, 186, 204–205, 207, 232, 253, 254, 257, 261, 268
 Fishermen, 41, 44, 54, 95, 96, 176, 204, 205, 315
 Fishes, 102, 110, 135–148, 161, 162, 164, 168, 176, 204, 217, 219, 220, 228–230, 232, 236, 253, 254, 258, 259, 265–267, 300, 306–312, 314
 abundance, 207, 254
 biomass, 253–263, 265, 268
 Fishing, 13, 31, 41, 76, 95, 110, 117, 140, 173, 203, 215, 226, 253, 290, 315–316
 Fishing-deep water, 235
 Flame-retardants, 283, 286–289
 Fore-reef slope, 61, 63, 66, 123, 124, 126, 144, 176
 Fore-reef slope reefs, 66–67
 Forest, 19, 20, 53, 55, 78, 79, 89, 274–276
 Fossil corals, 122
 Fouling organisms, 247
Fregata aquila, 215
 Fringing reef rubble flat, 64
 Fungi, 276–277
- G**
 Gene flow, 157, 158, 165–167, 230, 231
 Genetic variation, 157–158, 165–167
 Geomorphological map, 5, 9, 10
 Georgetown-Ascension, 216
 GIS, 1, 2, 39, 41, 100, 142, 143
 Global comparison of reef areas, 3, 248, 249

- Goods and services, 201, 209
Gorgonia, 101, 127
 Grazing, 19, 55, 143, 219, 220
 Great Chagos Bank, 223–225, 228, 246, 248, 254, 256, 262, 264, 271, 279, 284–286, 290, 291, 294
 Green turtle *Chelonia mydas*, 75, 215
 Growth, 17, 19, 23, 27, 61–63, 65–67, 76, 82–85, 89, 93, 99, 104, 105, 109, 111, 122–124, 126, 127, 135, 137–139, 144, 155, 174, 177, 178, 181, 185, 210, 225, 237, 246, 250, 278, 293, 307, 308, 310
 Gulf Stream, 119, 153, 154, 201
- H**
 Habitat degradation, 19, 254, 265–267
Halichoeres, 164
 Hawksbill turtle *Eretmochelys imbricata*, 272
 Herbivory, 253
 Hermaphroditism, 162
 Historical taxonomy, 198
Holacanthus, 161, 164
 Horseshoe Reef, 31, 37, 52, 59
 Human impacts, 42, 45, 173, 247, 254, 263, 267, 268, 316
 Hurricane effects, 17
 Hurricanes, 17–19, 27, 33, 45, 53, 58, 63, 71, 81–83, 85, 99, 109, 113, 119, 120, 208–210
 Hybrid species, 164
 Hydrocarbons, 283–286
- I**
 Illegal fishing, 176, 233, 253, 263, 290
 Important Bird Areas (IBAs), 273, 274, 279
 Incident solar radiation, 119
 Indian Ocean Dipole (IOD), 236
 Insects, 280
 Interglacial highstand, 47, 50
 Intertidal pools, 220
 Intraspecific genetic diversity, 157, 158
 Invasive species, 21, 70, 83, 93, 173, 176, 248
 Inventory of reef geomorphological diversity, 1
 Ironshore, 63, 71, 80–82
 Islands, 1, 13, 23, 37, 47, 61, 69, 89, 97, 115, 140, 154, 175, 189, 213, 223, 249, 253, 271, 284, 299
Isophyllia, 102, 127, 159, 160, 189, 190, 198
 ITS, 159–161
- J**
Javania, 191, 193
- K**
 K_d/K_dPAR , 121
- L**
 Lagoonal reefs, 124–127, 140, 143, 173, 174
 Lagoons, 1, 8, 28, 50, 52, 65, 71, 75–77, 79, 80, 82, 102, 104, 113, 183, 225, 226, 243, 245, 293, 294, 296
 Land based activities, 41
 Landsat, 3
 Larval duration, 164–166, 228, 230, 232
 Larval flows, 165, 167, 228, 230
 Leeward islands, 13, 89
 Legislation, 15, 31–33, 70, 82, 84, 85, 168, 175, 210, 313
Leptogorgia, 144, 195, 196, 198
 Lesser Antilles, 3, 13, 50, 53, 70, 154
 Licences, 215, 226, 232, 254, 317
 Limestone platform, 7, 13
 Linear reef(s), 38, 39, 107, 127, 128
 Lionfish, 21, 34, 61, 69, 70, 83, 85–87, 93, 112, 147, 162, 167, 176
 Lithothamnium, 217, 221
 Lobster, 13–16, 45, 70, 75, 79, 84, 102, 110, 117, 147, 166, 176, 204, 205, 235, 300, 312, 315, 316
 Location of UK Dependent territories, 1–10
 London representation of territories, 226, 234, 313
- M**
 Macroalgae, 17–20, 72, 75, 128, 130, 247, 306
Madracis, 124, 127, 138, 143
Madrepora, 191, 193
 Management, 8, 13, 16, 21, 22, 28, 32, 33, 37–46, 61, 69, 70, 72, 75, 82–84, 97, 110, 112, 113, 121, 139, 153, 167–169, 173, 176, 186, 208–210, 226, 232–235, 237, 248, 250, 253–268, 271, 274, 276, 281, 296, 313, 315, 317
 Management plan, 32, 33, 41, 42, 44, 167, 313
 Mangroves
 Avicennia marina, 275
 Lumnitzera racemosa, 275
 Pemphis acidula, 275
 Mapping, 1–3, 7, 8, 19, 109, 120, 141–142, 228
 Marine oxygen isotope stages (MIS), 122
 Marine parks and protected areas, 37, 110
 Marine Protected Areas (MPAs), 14, 15, 37–46, 70, 72, 82, 95, 144, 147, 168, 175, 210, 223–237, 248, 253, 254, 261, 263, 268, 272, 273, 281
Melichthys niger, 217, 219, 220
 Mesophotic zone, 156, 158, 193
 Metal pollution, 289
 Microplastics, 284, 290, 291
 Microplate, 23, 47
 Microsatellites, 157, 159, 160, 166, 229
 Millennium Coral Reef Mapping Project, 2, 7
Millepora complanata, 62, 64, 102, 104, 218
 Milleporidae, 102, 218, 219
 MIS 5e, 122
 Mitochondrial DNA, 164, 166
 Molluscs, 67, 92, 123, 154, 158, 167, 213, 220, 306, 308, 310, 314
 Monitoring programme, 19, 41, 83, 235–236, 277, 284, 300
Montastraea, 17, 18, 53, 75, 101, 119, 126, 135, 137, 139, 143, 145, 156, 176, 190
 Morphological units, 3, 7, 8
 Mosses, 275, 276
 MPA network design, 41
 Multilateral environmental agreements, 41
Muricea, 143, 160, 194–197
Mycteroperca, 139, 140, 161, 166, 168, 176
- N**
 Near-shore fringing reefs, 101–104
 Near-shore patch reefs, 101, 102, 104, 110
 New records, 158, 189–199
 Noddies, 216
 Noddy terns *Anous tenuirostris*, 274
 Non-reefal hard bottom communities, 105–106
 Northern reef system-Montserrat, 93
 Nutrients, 21, 75, 79, 82, 112, 117, 120, 121, 139, 175, 184, 186, 236, 247, 248, 294, 307, 308

- O**
 Ocean acidification, 70, 72, 83, 138, 182, 185, 186, 281
 Octocorallia, 156, 158, 167, 189–199, 235
Oculina, 127, 143, 160, 189–191
 Oil, 39, 83, 137, 174, 224, 271, 284–286
 Oil Islands, 224, 271
Onychoprion fuscatus, 215, 274
 Organochlorines, 284, 286
 Overfishing, 14, 19, 21, 95, 226, 237, 258, 294, 313
 Overseas Territories Environment Programme (OTEP), 13, 41, 45
- P**
Palythoa, 64, 101, 104, 217, 219, 221
Parantipathes, 197
 Patch reefs, 2–4, 7, 8, 17, 31, 34, 37, 38, 52, 61–64, 66, 72, 74, 92, 99–104, 110, 116, 119, 122–124, 127, 137, 140, 141, 143–147, 174, 176, 178, 304, 305, 307, 308
 Pelagic larval duration, 165–167, 228
 Pelagic MPAs, 234
 Peros Banhos atoll, 256, 275, 291
 Persistent organic pollutants (POPs), 283, 284, 286
 Pew Environment–Ocean Legacy Program, 226, 315
 pH, 83, 120–121, 185, 293, 295, 296
 Photic zones, 227
 Phylogenetic clade, 158
 Pillar coral, 93, 94, 108
 Pinnacle reefs, 127
 Piscivores, 253, 265
 Plantations, 224, 271, 272, 274, 275, 277–281, 292, 293
 Platform margin bank barrier reefs, 101, 104–105, 107, 108
 Platform margin deep reefs, 101, 105, 106
 Pleistocene, 25, 29, 47–59, 63, 81, 98, 107, 121–123, 154, 155, 162, 198
 reefs, 47–59, 122–123
 sea-levels, 121
Plexaurella, 101, 138, 144, 158–160, 176, 179, 193, 195–197
 Pollution, 21, 72, 83, 109, 175, 187, 207, 226, 250, 283–297, 313
 Polychlorinated biphenyls (PCBs), 277, 283, 286, 287, 290, 297
 Polyfluorinated compounds, 283, 286–289
Polymyces, 191, 193
 Populations, 13, 15, 16, 19, 21, 23, 34, 47, 59, 69–71, 75, 76, 79–82, 85, 89, 92, 93, 95, 97, 104, 109–111, 117, 136, 139, 140, 145, 153, 154, 157–159, 162, 164–168, 175–179, 195, 201, 207, 208, 215, 226, 229–232, 234, 235, 237, 250, 253, 254, 259, 263, 265, 266, 268, 271–274, 277–280, 292–294, 300, 313, 316, 317
 connectivity, 157–158, 165–168
 growth, 111, 237, 250
 Porifera, 215, 248, 308
Porites, 17, 18, 62, 64, 66, 104, 105, 123, 124, 143, 176, 242, 307
 Postage stamps, 317
 Predation, 215, 253, 265, 280, 316
Procaris ascensionis, 220
 Producer surplus-economic, 203, 204
 Protected areas, 13–15, 37–46, 70, 72, 74, 76–79, 81–83, 95, 110–113, 144, 147, 168, 175, 210, 223–237, 253–268, 272–274, 281, 315
 Public relations campaign, 42
 Pyroclastic volcano flow, 89, 95
- R**
 Rabbits, 215
 Rainfall, 27, 28, 55, 79, 119, 236, 293, 313, 317
 Raised reefs, 225
 Ramsar, 53, 226, 273, 278, 313, 315
 Rats, 215, 271, 274, 280, 281, 316
 Recreational fisheries value, 204–205
 Recreational value, 205
 Recruitment, 83, 109, 127, 135–137, 140–141, 154, 162, 166–168, 174, 175, 220, 230, 244, 278
 Red-footed Booby *Sula sula*, 273
 Reef
 areas, 1–4, 7, 16–19, 21, 75, 76, 91, 136, 227, 246, 248, 253, 263
 assessments and threats, 110–113
 condition, 241, 248–250, 266
 crest, 28, 38, 50, 52, 64, 71, 72, 74, 104, 106, 107, 109
 definition, 3
 fish, 16, 19, 61, 84, 85, 96, 97, 102, 110, 139–140, 145–148, 162–164, 168, 176, 205, 207, 228–230, 232, 247, 253–268, 306, 307, 309–311, 314–316
 geomorphology, 61, 97, 110
 locations, 209, 263
 management, 61, 69, 97, 112, 121, 167, 210
 mapping, 3, 7, 141–142
 mapping and areas, 1–4, 7, 16–19, 21, 75, 76, 91, 136, 141–142, 227, 246, 248, 253, 263
 morphology, 28, 37
 mortality, 19, 20, 112, 144, 178, 241–244, 247
 typology, 1–3, 8
 zonation, 63–64, 101, 109, 142–148
 Remote sensing, 1, 8, 98
 Reproduction, 135–136, 139–140
 Reptiles, 277, 280, 281
 Research value, 201, 209
 Resilience, 41, 45, 158, 167–169, 250, 268, 284, 294
 Resplendent, 220
Rhizopsammia, 156, 191, 192
 Ridge plain, 25, 29, 50–52, 55–59
 Ridges and low profile rock shelves-Montserrat, 89, 91–92
 Rose Tree *Barringtonia asiatica*, 274
 Royal Society for the Protection of Birds (RSPB), 215, 313, 316
- S**
 Salomon atoll, 245, 248, 256, 286, 287, 289, 291, 294
 Salt ponds, 21, 28, 47, 53–56, 100
 Sand plain, 61, 63, 66, 72, 74, 100, 105, 109
 Sargasso Sea, 8, 115, 119–121, 138, 153, 167, 175, 286, 295
Sargassum, 62, 65, 107, 153, 166, 167
 Satellite remote sensing, 8
Scaevola toccada shrubs, 276
 Scleractinia, 63, 101, 106, 135, 156–157, 160, 167, 169, 178, 189–199, 213, 217, 218, 235, 300, 308, 309, 311
 Seabirds, 59, 76, 82, 100, 110, 215, 234, 272–274, 278–280
 Sea cucumber, 220, 226, 233, 284, 293–294
 Seagrasses, 17, 29, 38, 41, 52, 53, 76, 77, 82, 123, 128, 155, 225
 Sea level, 2, 3, 7, 8, 13, 47, 50, 51, 55, 59, 62–64, 80, 81, 97, 102, 104, 115, 121–122, 128, 154, 182, 184, 186, 216, 281, 293–295, 301–303, 316
 Sea level rise, 8, 47, 50, 59, 80, 122, 182, 184, 186, 281, 294, 295, 316
 Seamounts, 2, 8, 115, 116, 118, 154, 158, 176, 192, 196, 225, 234–235, 301
 Seasonality, 139, 153, 155–156, 179
 Sea surface salinity, 120
 Sea surface temperature, 72, 113, 119, 120, 122, 153, 154, 184, 236, 301
 Sea urchins, 62, 64, 77, 219, 309–311. *See also* Echinoids
 Sediment, 8, 20, 50, 72, 75, 76, 82, 92, 93, 99, 102, 105, 122, 123, 127, 136, 144, 174, 216, 248, 284–288, 290, 317

- Sedimentation, 32, 33, 42, 45, 82, 92, 93, 99, 136, 137, 173, 174, 250, 313, 317
- Serranidae, 162, 164, 309
- Settlement, 13, 82, 110, 115–117, 136–137, 140, 175, 237, 254, 265, 274
- Sewage, 45, 82, 129, 137, 175, 283, 286, 293, 296
- Sewage bacteria, 175
- Shallow Marine Surveys Group, 215
- Shallow terrace, 61, 63, 65–66
- Shallow terrace and reefs, 61, 63, 65–66
- Shark fin, 263
- Sharks, 120, 176, 204, 226, 233–235, 253, 254, 256, 257, 259, 263–265, 268, 293–295, 308, 311
- Shellfish, 14
- Siderastrea*, 17–19, 62, 64, 66, 102, 105, 109, 136, 137, 143, 160, 176, 189–191, 198, 199, 217, 218
- Soft coral cover, 20, 71, 72, 178, 202, 242, 245, 246, 311
- Sooty Tern *Onychoprion fuscatus*, 274
- South Equatorial Current, 216
- Southern Equatorial Counter-Current, 216
- Southern reef System, 93
- Spawning aggregation, 41, 84, 85, 102, 139, 140
- Species-island area curve, 275
- Spur and grooves, 7, 8, 38, 61, 65, 66, 71, 74, 100, 102–107, 109, 123, 304
- SRP54*, 157
- Stakeholder review process-stakeholder feedback, 41
- Standardised comparison of reef areas, 256, 262
- Stegastes lubbocki*, 220
- Stenocyathus*, 191, 193
- Stepping-stone-genetic, 229, 232
- St Helena, 1, 213, 215, 218, 220
- Stichopathes*, 197
- Stresses-human induced, 248
- Strict Nature Reserves, 42, 43, 274, 292, 294
- Structural complexity, 246, 256, 257, 259, 261
- Submarine shelf, 4, 90, 92
- Submersible exploration, 192
- Sustainable resource use, 37, 43
- Swamp-*Typha*, 275
- Symbiodinium*, 158–161, 168–169, 249
- T**
- Tar balls, 283, 284, 286
- Taxonomy, 198
- Telestula*, 196, 197
- Temperature increase, 72
- Temperature monitoring, 27, 120, 235, 296
- Tethocyathus*, 191, 193
- Thalassoma ascensionis*, 220
- Threatened species, 226, 233, 272, 277, 314
- Tidal range, 27, 61, 119, 216, 301
- Topography, 50, 58, 61–62, 71, 80, 90, 92, 100–101, 104, 216, 235, 275
- Topography-island, 100–101
- Total economic value, 201–210
- Tourism, 13, 15, 16, 23, 31, 32, 38, 43, 61, 69–70, 79, 80, 82, 84, 85, 110, 112, 117, 173–175, 201–204, 209, 210, 253, 313, 317, 318
- Tourism values, 201–204
- Tourist revenue, 201, 203
- Treaties, 111
- Triggerfish, 20, 162, 165, 217
- Tristan da Cunha, 1, 215
- Trophic, 253, 254, 256, 257, 259, 260, 263, 265, 286
- Tropical cyclones, 47, 71, 115, 186
- Tropical Northwestern Atlantic (TNA), 115, 153, 154, 156, 161, 168
- β -Tubulin*, 157
- Tuna, 205, 226, 232–234, 263, 315
- Turtles, 15, 17, 37, 41, 59, 70, 75, 77, 80, 83, 84, 95, 100, 110, 173, 213, 215, 226, 229, 230, 234, 272, 273, 277, 278, 281, 290, 291, 314
- U**
- Upwelling, 27, 99, 112, 216, 236
- V**
- Value, 3, 13, 14, 42, 43, 71, 79, 81, 85, 110, 119–124, 127, 157, 174–176, 201–210, 226–228, 232, 234, 237, 242, 244–246, 249, 253, 254, 256, 257, 259–261, 264, 265, 273, 292, 315
- Vegetation assemblages, 274, 275
- Video surveys, 245
- Volcanic activity, 89, 91–93, 95, 121, 300, 301
- Volcanic Flanks, 93
- Volcanic islands, 4, 8, 23, 28, 301
- Volcanism, 117, 300
- W**
- Waifs, 162
- Warming events, 242
- Warming water, 184, 242, 249, 250
- Wave-cut platform, 216, 302
- West Africa, 27, 213, 217, 218, 220
- Western Leeward reef System-Montserrat, 92
- White band disease, 17, 19, 28, 33, 38, 52, 93, 95, 180
- Willingness to pay, 203, 204, 207–208
- Wrasse-Ascension, 220
- X**
- Xestospongia*, 67, 105
- Y**
- Yacht charter, 31
- Z**
- Zonation, 61, 63–64, 67, 97, 101, 109, 142–148
- Zooxanthellae, 75, 139, 158–159, 169, 249