

## INDEX

- 2,4D 473  
3D model 53, 81, 170, 191  
abundance 11, 37, 103, 143, 157,  
210, 318, 331, 350, 379, 402, 445,  
482, 489  
accident 9, 147, 222, 256, 261, 301,  
314, 351, 369, 383, 402, 427  
agriculture 4, 91, 94, 124, 167, 190,  
252, 276, 408, 436, 447  
algal bloom 4, 106, 144, 167, 187,  
256, 316, 329, 347, 369  
anoxia 311, 339, 471, 489  
anthracene 11, 155, 403  
bacteria 10, 158, 199, 210, 275, 340,  
363, 404, 440, 474  
benthos 4, 21, 88, 199, 381, 451,  
480, 490  
biodiversity 4, 25, 58, 88, 103, 258,  
278, 384, 415, 452, 490  
bioremediation 11, 402  
catchment 13, 16, 123, 147, 165,  
189, 249, 293, 309, 348, 433, 477  
Changjiang 3, 88, 93, 489  
chlorophyll 6, 20, 106, 144, 199,  
331, 349, 438, 482  
conservation 23, 52, 147, 167, 190,  
257, 265, 388, 417, 447, 491  
coral reef 218, 252, 321, 341, 388,  
402, 422, 449, 474, 490  
currents 27, 40, 49, 80, 129, 178,  
191, 242, 249, 274, 299, 317, 348,  
385, 406, 426, 450, 464  
cyclone 229, 433, 461  
Darwin 433, 461, 477, 492  
dilution 123, 179, 191, 332, 400, 440  
dissolved oxygen 29, 76, 142, 180,  
200, 256, 301, 311, 335, 364, 443  
drainage 93, 123, 127, 170, 255, 294,  
310, 419, 477, 491  
dredging 32, 90, 100, 120, 174, 210,  
247, 286, 297, 339, 377, 427, 456,  
464, 477, 492  
dry dock 213  
dumping 123, 149, 257, 275, 377,  
427, 461, 491  
ecohydrology 477, 492  
ecological network 35  
economics 26, 95  
ecosystem 23, 35, 79, 107, 124, 147,  
191, 209, 252, 261, 310, 329, 350,  
382, 406, 416, 433, 477, 492  
effluent 31, 106, 122, 148, 165, 210,  
255, 314, 355, 382  
engineering 30, 79, 108, 166, 241,  
275, 384, 491  
erosion 93, 136, 241, 254, 283, 295,  
320  
eutrophication 18, 91, 94, 144, 152,  
167, 200, 255, 275, 310, 363, 455,  
477  
fish 18, 35, 90, 102, 122, 139, 147,  
167, 200, 210, 256, 275, 296, 330,  
363, 385, 403, 414, 433, 462, 477,  
489  
flocculation 136, 438, 474  
flow cytometry 370  
flushing 134, 149, 176, 200, 243,  
278, 353, 388, 445, 462, 477  
groundwater 209, 320  
Guam 215  
Gulf of Thailand 229, 249, 489  
HAB 106, 144, 167, 200, 325, 363,  
489  
health 22, 107, 290, 315, 339, 356,  
382, 406, 428, 455, 462, 477, 491

- heavy metals 26, 94, 141, 151, 168, 210, 252, 276, 314, 477
- Ho Chi Minh City 261, 492
- Hong Kong 123, 127, 141, 147, 165, 187, 489
- hypoxia 109, 203, 310, 339, 363, 489
- impact assessment 25, 122, 170, 275, 388, 402
- introduced species 22, 207
- Jakarta 413, 489
- Klang 329, 489
- land reclamation 90, 93, 295, 321, 370, 377, 492
- larvae 22, 35, 103, 280, 386
- liquid chromatography 347
- Manila 293, 309, 489
- mangroves 147, 210, 250, 280, 295, 321, 330, 377, 414, 437, 461, 478, 490
- monitoring 31, 60, 88, 94, 124, 139, 167, 190, 216, 257, 278, 315, 365, 383, 402, 419, 456, 464
- navigation 79, 100, 120, 141, 180, 199, 213, 257, 261, 388, 413
- Navy base 219
- nonindigenous 223
- nutrient limitation 142, 204, 333, 370
- OCP 405
- oil spill 26, 90, 123, 153, 214, 252, 261, 301, 312, 383, 393
- overfishing 93, 252, 321, 456, 477
- PAH 153, 304, 315, 402, 490
- PCB 97, 153, 214, 402
- Pearl Harbor 207, 489
- Pearl River 113, 127, 139, 147, 489
- Phytoplankton 20, 88, 107, 139, 167, 190, 212, 255, 310, 339, 347, 402, 438, 480
- pollution control 24, 122, 168, 257, 491
- red tide 28, 122, 144, 167, 187, 255
- restoration 22, 35, 91, 147, 322, 380, 430, 491
- runoff 31, 79, 128, 149, 173, 209, 249, 294, 312, 330, 348, 436, 463, 479
- salt marsh 194, 250, 449, 490
- saltwater intrusion 79, 254, 283
- seagrass 180, 254, 283
- sediment quality 29, 276, 315
- sedimentation 97, 116, 204, 210, 240, 254, 298, 381, 402, 418, 449, 462
- sewage 20, 91, 96, 122, 136, 139, 147, 165, 187, 210, 255, 261, 305, 323, 355, 409, 420, 437, 462, 477, 492
- Shanghai, 79, 93
- shipping 17, 113, 139, 155, 211, 252, 261, 301, 314, 377, 393, 422, 463, 477, 492
- short-necked clam 35
- Singapore 347, 377, 393, 489
- species composition 90, 103, 142, 320, 379, 453, 489
- species richness 222, 380
- suspended sediment 77, 103, 115, 136, 210, 377, 436, 468, 482
- Thi Vai–Vung Tau 261
- tide 5, 16, 47, 69, 80, 99, 120, 127, 141, 149, 167, 187, 232, 254, 264, 298, 320, 352, 395, 418, 435, 464, 481
- Tokyo Bay 3, 15, 35, 47, 67, 489
- toxic organic pollutant 6, 152
- trace metal 4, 101, 153, 303, 314
- typhoon 15, 69, 172, 191, 229, 254, 264
- urban center, urban areas, urbanisation 1, 8, 25, 36, 108, 122, 36, 147, 189, 210, 255, 261, 410, 436
- wastewater treatment 6, 122, 148
- water circulation 3, 13, 29, 128, 210, 244, 251, 465

- water quality 5, 18, 47, 67, 80, 108,  
122, 136, 139, 157, 165, 190, 207,  
254, 275, 300, 310, 331, 352, 389,  
420, 435, 479, 489
- wetland 3, 24, 36, 97, 147, 261, 414,  
481, 491