

11.0 INDEX

- Access canal, 2-30
adverse impacts, 4-10, 4-11, 4-28, 4-30, 4-37, 4-55, 4-94, 4-95
AFI, 1-6, 4-23, 4-71, 4-106, 4-108, **5-1**, 6-1, 7-2, 10-1
Air Quality, 4, 1-12, 1-15, 2-33, 3-59, 3-60, ³⁻⁶¹, ³⁻⁶², ³⁻⁶³, 4-88, 4-92, 4-93, 4-94, 4-108, 5-2, 8-2, 10-3
alluvial, 3-27, **3-58**, **3-64**
alluvial fan, 3-58
AMSL, 10-1
ANS, 4-38, 4-40, 4-98, 10-1
Aquatic Flora, 4, 3-30, 4-10
aquifer, 3-27, 3-58
archeological investigations, 2-11
ballast, 4-38, 4-40
benthic communities, 3-31, 4-56
berth, 2-14
berthing areas, 3
bilge, 4-38, 4-40
bioassay, 3-58
birds, 3-16, 3-32, **3-40**, 3-46, 4-12, 4-22, 4-31, 4-111
BMP, 10-1
BOD, 4-38, 4-39, 10-1
boundary, 4-75, 4-110
breakwater, 2-11, 2-12
CAA, 10-1
carbonate, 3-21, 3-36
CBRA, 4-111, 10-1
CBRS, 4-111, 10-1
CEQ, 10-1
CERCLA, 10-1
CES, 1-18, 4-4, 4-65, 10-1
Coastal Zone, 1-7, 1-11, 1-15, 1-17, 2-13, 2-33, 4-32, 4-87, 4-104, 4-108, 8-5, 10-1
Coastal Zone Management Act
 CZMA, 3-52, 4-104
Commonwealth of Puerto Rico
 Commonwealth, 1-1
construction activities, 1-18, 2-33, 4-9, 4-12, 4-19, 4-36, 4-37, 4-65, 4-74, 4-87, 4-90, 4-93
coral, 2-14, 2-16, 2-18, 3-31, 3-35, 3-36, 3-38, **3-39**, 4-104, **4-113**
coral reefs, 1-8, 3-35, 3-37, 3-46, 3-47, 4-18, 4-56, **4-113**
CORCO, 4-62, 10-1
CORRACTS, 10-1
crane, 3-78
Cretaceous, 3-19
criteria, 2-2, 2-5, 2-17, 3-58, ³⁻⁶⁰, 4-6, 4-51, 4-90, 4-102, 4-103, 4-108, 4-112
critical habitat, 2-13, 4-23
CSA, 3-32, 3-36, 3-80, 10-1
cubic meters, 1-17
Cultural Resources, 1-12, 1-15, 2-18, 2-33, ³⁻⁶⁴, 4-88
cumulative impacts, 3, 1-9, 3-46, 4-16, 4-17, 4-18, 4-19, 4-30, 4-90, 4-91, 4-92, 4-93, 4-94
Current Study, 4-73
CWA, 4-4, 4-11, 4-14, 4-107, 10-1
CWMB, 4-69, 10-1
CZMA, 4-108, 10-1
CZMP, 1-17, 4-33, 4-104, 4-105, 4-106, 10-1
dB, 4-74, 4-76, 4-77, 4-78, 4-79, 10-1
DC, 8-1, 8-5, 10-1
debris, 3-31, **3-39**, 4-68
degradation, 4-4
DEIS, 1-7, 1-17, 2-1, 2-2, 3-54, 4-23, 4-38, 4-40, 4-46, 4-49, 4-100, 4-106, **5-1**, **5-2**, 5-3, 6-1, 6-2, 7-1, 10-1
Department of Natural and Environmental Resources
 DNER, 1-17, 3-30, 4-101, 6-1, 6-2, 8-1, 10-1
DNER, 1-17, 2-6, 3-28, 3-30, **3-39**, **3-40**, **3-41**, 3-42, 3-43, 4-5, 4-9, 4-27, 4-95, 4-97, 4-101, 4-106, 6-1, 6-2, 7-2, 10-1
dock, 2-14, 2-15, 2-28, 2-30, 3-80, 4-6, 4-12
Dredged Material, 1-9, 1-13, 1-15, 2-6, 2-10, 2-12, 2-13, 2-15, 3-77, 4-41, 4-53, 4-56, 4-89, 10-3
dredging, 1, 2, 3, 1-2, 1-8, 1-13, 1-16, 2-4, 2-6, 2-7, 2-10, 2-11, 2-12, 2-13, 2-14, 2-15, 2-19, 2-24, 2-28, 2-30, 2-32, 2-33, 2-34, 2-36, 3-21, 3-38, **3-39**, 3-77, 4-5, 4-10, 4-11, 4-14, 4-16, 4-17, 4-18, 4-19, 4-21, 4-23, 4-24, 4-27, 4-31, 4-35, 4-37, 4-53, 4-55, 4-56, 4-57, 4-59, 4-86, 4-95, 4-101, **4-113**
Dredging, 1-13, 1-15, 2-6, 2-18, 2-30, 2-32, 2-34, 3-23, 3-38, 3-77, 4-10, 4-24, 4-35,

- 4-53, 4-54, 4-56, 4-59, 4-89, 4-99, 4-109, **4-113**
Drinking Water, 3-58, 4-60
earth crust, 1-17, 4-1, 4-3, 4-5, 4-6
ecologically sensitive areas, 1-9, 1-10, 2-14, 3-46, 4-30
Ecologically Sensitive Areas. See , See , See , See
Ecology, 5-2
economic development, 1, 1-5, 2-20, 4-33, 4-103, 4-105
economic feasibility, 3
ecosystem, 4-90
EEZ, 3-38, 3-42, 4-110, 10-1
EFH, 4-22
EI, 10-1
EJ, 4-46, 10-1
electric power, 1-12, 2-3, 2-4, 4-71, 4-72
electrical power, 1-17, 1-18, 4-71
Emission, 1-18
endangered or threatened species, 1-9, 4-106
endangered species, 1-8, 2-6, 2-11, 3-32, 3-38, **3-39**, **3-40**, **3-41**, 3-42, 3-43, 4-12, 4-23, 4-26, 4-30, 4-91, 4-106, **4-113**
Energy, 1-14, 3-5, 4-71, 4-73, 6-1, 8-1, 8-2, 8-3
Environmental Justice, 4, 4-46, 4-49, 4-51, **4-112**, 10-1
Environmental Quality Board
EQB, 1-6, 1-17, 1-18, ³⁻⁶¹, ³⁻⁶², 3-86, 3-87, 4-65, 4-100, 6-1, 7-2, 8-2, 10-2
EPA, 1-18, 2-10, 2-28, 3-58, 3-59, 3-77, 4-4, 4-7, 4-74, 4-97, 4-100, 4-108, 4-112, **4-113**, 10-1
EQB, 1-17, 1-18, 3-54, ³⁻⁶⁰, ³⁻⁶¹, ³⁻⁶², 3-84, 3-86, 4-4, 4-75, 4-76, 4-77, 4-78, 4-79, 4-92, 4-97, 4-100, 4-101, 4-106, 4-108, 6-1, 7-2, 10-2
ER-L, **3-58**, 10-2
ERNS, 10-2
ESA, 4-106, 10-2
Essential Fish Habitat, 1-9, 1-15, 2-32, 3-37, 4-20, 4-86, 4-96, 4-110, 10-1
EFH, 1-9
Exclusive Economic Zone
EEZ, 4-20, 4-110, 10-1
FAPPA, 10-2
fauna, 2-6, 3-30, 3-32, 3-35, 3-36, 4-7, 4-12, 4-13, 4-95
Fauna, 3-32, 3-35, 4-12, **5-1**, 5-2
Marine Fauna, 3-30
FCMA, 10-2
feasible, 2-1, 2-4, 2-20
FEIS, 4-106, 6-2, 10-2
FEMA, 3-53, 10-2
fill material, 1-5, 1-10, 1-11, **3-40**, **3-41**, 4-3, 4-4, 4-6, 4-7, 4-8, 4-31, 4-37, 4-83, 4-95, 4-99, 4-107
Finback, 3-45, 4-25, 4-28
FINDS, 10-2
FIRM, 3-53, 10-2
fish, 1-4
flood levels, 1-11, 3-54, 4-35, 4-36
flood zones, 4-104
Flooding, 1-11, 1-15, 2-33, **3-55**, **3-56**, 4-87
floodplain, 1-18
flora, 2-6, 3-30, 4-7, 4-8, 4-9, 4-95
free port, 2-1, **3-76**
FWCA, 4-106, 10-2
FWPRA, 4-110, 10-2
FY, 10-2
GDB, 2-1, 6-1, 6-2, 7-1, 10-2
GDP, 10-2
GNP, 10-2
Groundwater, 3-27, 3-28, 4-40, 4-61, 8-2, 8-6
habitat, 2-14, 2-32, **3-39**, 4-9, 4-11, 4-12, 4-13, 4-14, 4-24, 4-95, 4-96, 4-106, 4-111
herpetofauna, 3-32
Highway and Transportation Authority
HTA, 3-81, 4-67, 10-2, 10-3
hp, 10-2
HTA, 10-2
hurricane, 2-15, 2-30, 3-54, 3-86, 4-73
Hydrogeology, 3-27, 3-28
Hydrography, **3-55**, **3-56**
hydrology, 3-47
IC, 10-2
IL-2, 10-2
Industrial Construction (*Edificación Industrial*)
EI, 3-13
International Biosphere Reserve, 2-13
irrigation, 3-27, 3-28, 3-58, 4-62
ISO, 10-2

- kHz, 10-2
KW, 10-2
LACS, 3-76, 10-2
land uses and zoning, 3-11
limestone hills, 3-41
LNG, 8-2, 10-2
LQG, 10-2
LUST, 10-2
m, 3-23, 3-86, 4-73, 10-2
M, 3-36, **5-2**, 8-1, 8-3, 10-2
m³, ³⁻⁶⁰, ³⁻⁶¹, 10-3
Manatee, 4, 2-14, 2-32, 3-32, **3-40**, 3-44, 4-26, 4-29, 4-55, 4-83, 4-87, 4-88, 8-5
mangrove, 2-3, 2-14, 3-16, 3-30, **3-39**, **3-40**, 3-46, 3-48, 3-49, 4-8, 4-9, 4-30, 4-32, 4-101, **4-113**
Marine Benthic Studies, 8-6
marine currents, 1-14, 2-4, 4-55
Marine Currents, 4, 1-14, 1-15, 2-35, 3-85, 4-73, 4-89
marine flora, 3-36
marine resources, 1-8, 1-9, 2-16, 3-36, 4-17, 4-18
Marine Resources, 1-8, 1-15, 2-32, 3-36, 4-14, 4-86, 4-98
maritime traffic, 1-13, 3-77, **4-114**
marl, 3-19
MCE, 10-3
MGD, 3-23, 3-80, 4-60, 4-61, 4-62, 4-64, 10-3
Miocene, 3-19, 3-21
MMPA, 4-109, 10-3
Mooring Channel, 1, 1-1, 1-2, 1-14, 2-24, 2-25, 2-30, 2-31, 2-32, 2-33, 2-34, 2-36, 3-86, 4-2, 4-3, 4-5, 4-6, 4-7, 4-9, 4-10, 4-12, 4-13, 4-14, 4-17, 4-19, 4-22, 4-35, 4-36, 4-39, 4-42, 4-60, 4-73, 4-95, 4-96, 4-99, 4-100, 4-101
MPH, 3-5, 10-3
MPRSA, 4-112, 10-3
MSD, 4-38, 4-39, 4-63, 4-99, 10-3
MW, 3-81, 10-3
NAAQS, 3-59, ³⁻⁶⁰, 4-108, 10-3
navigation, 2-1, 2-6, 2-10, 2-14, 2-28, 2-34, 3-31, 3-32, 3-35, 3-36, 3-37, 3-78, 4-5, 4-10, 4-11, 4-106, **4-113**
navigation channel, 1, 3, 2-11, 2-12, 2-13, 2-14, 2-15, 2-28, 2-34, 3-30, 3-31, 3-35, 3-38, 3-59, 4-16, 4-17, 4-19, 4-24, 4-53, 4-56, 4-57, 4-59
navigation channels, 2-10, 4-17, 4-18, 4-37, 4-59
NEPA, 1-7, 2-1, 2-2
Noise
 Noise impacts, 1-14
noise levels, 3-86, 4-74, 4-75, 4-77, 4-78
Noise Levels, 2-35, 4-74, 4-76, 4-77, 4-78, 4-79
Noise Study, 4-79, **5-1**
Noise Survey, 4-80
Non-hazardous solid waste, 4-68
ocean currents, 2-11, 4-19
ocean disposal site, 2-12, 2-13
ocean disposal zone, 2-28
ocean outfall, 3-31
Offshore Dredged Material Disposal Site
 OSMDS, 1-9, 1-13, 2-10, 2-12, 2-13, 2-15
Oligocene, 3-19
parcel, 3-76, 4-7, 4-8, 4-9, 4-72
pathogen, 4-38, 4-39
pelagic, 3-36, **3-39**
pelagic communities, 3-31
pelagic estuarine populations, 3-31
Pier, 3-77
Plain, **4-112**, 8-2
plankton, 3-36
plutonic, 3-19
pollutant, 4-108
Port of Ponce, 2, 1-1, 1-2, 2-2, 2-8, 2-21, 2-22, 2-24, 2-25, 2-28, 2-29, 2-30, 2-36, 3-5, 3-11, 3-13, 3-17, 3-19, 3-23, 3-28, 3-32, 3-47, **3-64**, **3-76**, 3-78, 3-79, 3-80, 3-81, 3-85, 3-86, 4-5, 4-8, 4-9, 4-10, 4-11, 4-18, 4-24, 4-27, 4-29, 4-31, 4-36, 4-37, 4-42, 4-52, 4-58, 4-71, 4-80, 4-91, 4-92, 4-101, 8-4
Post-Panamax, 2, 1-1, 1-2, 1-5, 2-1, 2-3, 2-4, 2-13, 2-14, 2-15, 2-21, 2-24, 2-30, 2-36
potable water, 2-3, 3-28, 3-58, 3-80, 4-60, 4-61, 4-63
preferred alternative, 2-1, 2-2, 2-7, 2-8, 2-36, 4-1, 4-5, 4-7, 4-13, 4-14, 4-19, 4-35, 4-42, 4-46, 4-56, 4-59, 4-66, 4-68, 4-69, 4-70
Preferred Alternative, 3
Puerto Rico Planning Board
 PB, 1-7, 1-17, 1-18, 2-12, 3-53, 4-36, 4-47, 4-65, 4-102, 6-1, 6-2, 8-4, 8-5, 10-4

- quadrant, 3-21
- Quaternary, 3-19, 3-21, 3-27
- Radioactive Wastes, 1-12, 1-15, 4-52, 4-88
- reclamation, 3-58, **3-64**, 4-8, 4-30, 4-31, 4-75, 4-77, 4-95
- Río Matilde, 2-8, 2-13, 2-18, 3-23, 3-30, 3-53
- Río Portugués, 3-13, 3-23, 3-26, 3-28, 3-30, 3-53, **3-64**, 3-81, 4-62
- runoff, 3-17, 4-4, 4-37, 4-97
- Sea Turtle, **3-39**, 3-44, 4-24, 4-28
- seagrass, 2-6, 2-14, 3-31, 3-36, 3-37, 4-10, 4-11, 4-14, 4-18, 4-22
- seagrasses, 1-8, 2-16, 3-31, 3-32, 3-46, 4-10, 4-17, 4-18, 4-24, 4-55
- secondary coastal forests, 3-30, 4-8, 4-9
- Section 10 of the Rivers and Harbors Act of 1899, 1-5, 1-7, 1-16, 4-111
- Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972, 1-5
- Section 103 of the Marine Research, Protection and Sanctuaries Act, 1-7
- Section 103 Permit, 1, 2-7, **4-113**
- Section 404 of the Clean Water Act, 1, 1-7, 1-16, 3-47, 4-107
- Sediment Quality, 1-11, 1-15, 2-33, 3-54, 3-58, 4-36, 4-41, 4-42, 4-88, 4-98
- Sedimentation and Erosion Control
CES, 4-37, 4-98, 10-1
- shoal, 3-21, 3-23
- shore, 3-21, 3-42, 3-48, **3-64**, 4-90
- shrub, 3-41, 4-9
- Silt, 3-21
- site, 2-13, 2-14, 2-15, 2-18, 2-28, 3-5, 3-11, 3-16, 3-21, **3-39**, 3-53, **3-64**, **3-76**, 3-81, 3-85, 3-88
- Siting Consultation, 1-17, 10-4
- Socioeconomic Conditions, 4, **3-68**
- socioeconomic development, 1-5
- Soils, 4, 3-16, 3-18, 3-19, 4-3
- solid waste, 1-18, 3-80, 4-38, 4-39, 4-68, 4-69, 4-70
- spawning, 3-38, 4-20, 4-110
- Special Aquatic Sites, 1-8, 1-15, 2-32, 3-36, 4-14, 4-86
- Storm Water Pollution Prevention Plan
CES, 10-4
SWPPP, 4-65
- stormwater, 1-14, 3-80, 3-81, 4-4, 4-38, 4-40
- Stormwater, 4-4, 4-37, 4-65, 4-98
- Sub-Aquatic Archeology, **3-64**, 5-2
- superimposed conceptual development land use districts (*Desarrollo Conceptual*), 3-13
- swell, 2-3, 2-14
- swell patterns, 2-3
- terrain, 3-5
- terrestrial, 4-3, 4-7, 4-8, 4-12, 4-13, 4-91, 4-102, 4-106
- Terrestrial Archeology, **3-64**
- Terrestrial Flora, 3-30, 4-8
- Threatened or Endangered Species, 1-9, 1-15, 2-32, 4-87
- Topography, **3-13**
- trade winds, 2-3, 2-28, 3-5, 3-78
- traffic, 2-3, 2-28, 2-33, **3-76**, 4-4, 4-48, 4-49, 4-61, 4-67, 4-69, 4-83, 4-92, 4-94
marine traffic, 1-13
- Traffic
port traffic, 2-10
- Traffic Study, 4-66, **5-1**
- turbidity, 3-38, 4-10, 4-11, 4-16, 4-17, 4-18, 4-19, 4-37, 4-53, 4-56, 4-65, 4-90, 4-92, 4-95, 9-10
- turning basin, 2-12, 2-14, 2-28, 2-30, 2-34, 3-31, 3-77, 3-78, 4-5, 4-16, 4-17, 4-53, 4-56, 4-59, **4-113**
- U.S. Army Corps of Engineers
USACE, 1, 1-5, 3-85, 8-2, 8-5
- Union Carbide, 4-52, 10-4
- United States Coast Guard
USCG, 4-38, 4-63, 4-99
- United States Fish and Wildlife Service
USFWS, 3-30
- value-added areas, 2, 2-5, 2-7, 2-10, 2-12, 2-15, 2-20, 2-28, 2-36, 3-81, 4-60, 4-65, 4-97
- vehicular traffic, 4-66
- vessel traffic, 1-8, 1-11, 1-13, 4-17, 4-18, 4-24, 4-56, 4-57, 4-58, 4-59
- wastewater, 1-14, 2-35, 3-28, 3-80, 4-38, 4-39, 4-40, 4-62, 4-63, 4-64, 4-98, 4-99
- Wastewater generation, 4-63

water circulation, 1-11
Water demand, 4-61
Water Quality, 4, 1-17, 2-33, 4-36, 4-101, 4-106, 4-108, 10-5
Water Quality Certificate
 WQC, 1-7
water table, 3-16, 3-17
wells, 3-27, 3-28, 3-80, 4-7, 4-61, 9-1
wetlands, 1-5, 1-8, 1-10, 1-11, 2-6, 2-10, 2-11, 2-13, 2-14, 2-18, 2-33, 3-11, 3-30, 3-38, 3-46, 3-47, 3-49, **3-64**, 3-76, 4-4, 4-8, 4-9, 4-10, 4-11, 4-12, 4-31, 4-32, 4-52, 4-95, 4-96, 4-97, 4-104, 4-107, 4-112, 8-3
Wetlands, 4, 1-10, 1-15, 2-33, 3-30, 3-47, 3-48, 3-49, 4-11, 4-31, 4-87, 4-97, 4-112, 8-1, 8-2, 8-5, 10-3
Whale, 3-41, 3-42, 3-45, 4-25, 4-28, 4-29, 8-4
Whales, 2-32, 3-41, 3-42, 3-43, 4-25, 8-1
 Finback, 3-42
Winds
 wind circulation, 3-5
 windrose, 3-5