

APPENDIX A

LIST OF ACRONYMS, ABBREVIATIONS, AND SYMBOLS

%	Percent	BP	BP Exploration & Production Inc.
°C	Degree(s) Celsius	CCL	Curved carapace length
°F	Degree(s) Fahrenheit	CFL	Curved fork length
μm	Micrometer(s)	CFPHV	Chelonid fibropapilloma-associated herpesvirus
μM	Micromole(s)	CFR	Code of Federal Regulations
AAM	American Academy of Microbiology	CI	Confidence interval
ABC	American Bird Conservancy	CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
ABC	Allowable biological catch	cm	Centimeter(s)
ac	Acre(s)	CMR	Capture-mark-recapture
ACNWR	Archie Carr National Wildlife Refuge	COLREG	Collision Regulation
ADCNR	Alabama Department of Conservation and Natural Resources	ComFIN	Commercial Fisheries Information Network
AL	Alabama	CPI	Consumer Price Index
AOU	American Ornithologists' Union	CPR	Center for Prediction of Red Tides
ASP	Amnesic shellfish poisoning	CPUE	Catch per unit effort
Avg.	Average	CRFM	Caribbean Regional Fisheries Mechanism
AWFWF	Alabama Division of Wildlife and Fresh Water Fisheries	CSA	Coastal Study Area
BAM	Beaufort Assessment Model	CV	Coefficient of variation
BBD	Black band disease	CWS	Canadian Wildlife Service
BBS	Breeding bird survey	DA	Domoic acid
BIRNM	Buck Island Reef National Monument	DDD	Dichlorodiphenyldichloroethane
BNA	Birds of North America	DDE	Dichlorodiphenyldichloroethylene

DDT	Dichlorodiphenyltrichloroethane	g	Gram(s)
DGoMB	Deep Gulf of Mexico Benthos	GBEP	Galveston Bay Estuary Program
DHA	Dynamic height anomaly	GBST	Galveston Bay Status and Trends
DO	Dissolved oxygen	GCJV	Gulf Coast Joint Venture
DoD	U.S. Department of Defense	GCPWG	Gulf Coast Prairie Working Group
DPS	Distinct population segments	GCRL	Gulf Coast Research Laboratory
DSD	Dark spots disease	GERG	Geochemical and Environmental Research Group
DSL	Deep scattering layer	GIS	Geographic information system
DTNP	Dry Tortugas National Park	GMFMC	Gulf of Mexico Fishery Management Council
EEZ	Exclusive Economic Zone	GMNET	Gulf of Mexico Aquatic Mortality Response Network
EMAP	Environmental Monitoring and Assessment Program	GoM	Gulf of Mexico
EMB	Estimated mean biomass	GoMRI	Gulf of Mexico Research Initiative
ESA	Ecological Society of America	GSMFC	Gulf States Marine Fisheries Commission
ESA	U.S. Endangered Species Act	h/hr	Hour(s)
EU	European Union	ha	Hectare(s)
FAO	Food and Agriculture Organization (of the United Nations)	HAB	Harmful algal bloom
FCMA	Fishery Conservation and Management Act	HCH	Hexachlorocyclohexanes
FDEP	Florida Department of Environmental Protection	HMS	Highly migratory species
FFWCC	Florida Fish and Wildlife Conservation Commission	HMSMD	Highly Migratory Species Management Division
FGBNMS	Flower Gardens Banks National Marine Sanctuary	HRI	Harte Research Institute for Gulf of México Studies
FL	Florida	ICCAT	International Commission for the Conservation of Atlantic Tunas
FL	Fork length	in	Inch(es)
FMP	Fishery/Fish Management Plan	IPCC	Intergovernmental Panel on Climate Change
FMU	Fishery management unit	IUCN	International Union for the Conservation of Nature
FP	Fibropapillomatosis	kg	Kilogram(s)
ft	Foot/feet	km	Kilometer(s)
ft³	Cubic feet	km²	Square kilometer(s)
ftm	Fathom(s)	KWNWR	Key West National Wildlife Refuge
FUS	Fisheries of the United States		
FWRI	Fish and Wildlife Research Institute		

L	Liter(s)	NMFS	National Marine Fisheries Service
LA	Louisiana	NMFS SERO	NMFS Southeast Regional Office
Lb/lb	Pound(s)	NMFS FSD	NMFS Fisheries Statistics Division
LDWF	Louisiana Department of Wildlife and Fisheries	NMFS SEFSC	National Marine Fisheries Service Southeast Fisheries Science Center
LJFL	Lower jaw fork length	NMS	National Marine Sanctuaries
LSU	Louisiana State University	NOAA	National Oceanic and Atmospheric Administration
m	Meter(s)	NPS	National Park Service
MAFAC	Marine Fisheries Advisory Committee	NRC	National Research Council
MD	Maryland	NSP	Neurotoxic shellfish poisoning
MDWFP	Mississippi Department of Wildlife, Fisheries, & Parks	OA	Okadaic acid
MFMT	Maximum fishing mortality threshold	OCS	Outer continental shelf
mg/L	Milligram(s) per liter	OTTF	Oyster Technical Task Force
mi	Mile(s)	OY	Optimal yield
mi²	Square mile(s)	oz	Ounce(s)
min	Minute(s)	PAH	Polycyclic aromatic hydrocarbon
ml; mL	milliliter(s)	PAIS	Padre Island National Seashore
mm	Millimeter(s)	PAS	Periodic acid-Schiff
mM	millimole(s)	PBR	Potential biological removal
MMNS	Mississippi Museum of Natural Science	PCB	Polychlorinated biphenyl
MMPA	U.S. Marine Mammal Protection Act	PCR	Polymerase chain reaction
MMS	Minerals Management Service	POLR	Private Oyster Lease Rehabilitation Program
mph	mile(s) per hour	POP	Persistent organic pollutant
MRFSS	Marine Recreational Fisheries Statistics Survey	ppm	Part(s) per million
MRIP	Marine Recreational Information Program	ppt	Part(s) per thousand
MS	Mississippi	PSP	Paralytic shellfish poisoning
MSST	Minimum spawning stock threshold	RecFIN	Recreational Fisheries Information Network
MSX	<i>Haplosporidium nelsoni</i>	RTLTA	Registry for Tumors in Lower Animals
MSY	Maximum sustainable yield	SAFMC	South Atlantic Fishery Management Council
NASA	National Aeronautics and Space Administration		
NGO	Nongovernmental organization		
NLCD	National Land Cover Dataset		
nm	Nanometer(s)		

SAV	Submerged aquatic vegetation	TCWS	Texas Colonial Waterbird Survey
SCAR	Scientific Committee on Antarctic Research	TDLS	Thin dark-line syndrome
SCL	Straight carapace length	TED	Turtle excluder device
SCOPE	Scientific Committee on Problems of the Environment	TEWG	Turtle Expert Working Group
SEAMAP	Southeast Area Monitoring and Assessment Program	TL	Total length
SEDAR	Southeast Data, Assessment, and Review	TMMSN	Texas Marine Mammal Stranding Network
SEFSC	Southeast Fisheries Science Center	TPWD	Texas Parks and Wildlife Department
SEMARNAT	Secretary of Environment and Natural Resources, Mexico (Ministry of the Environment and Natural Resources)	TTP	Triphenylphosphate
SEPM	Society for Sedimentology	TTR	Thermal tolerance range
SERDP	Strategic Environmental Research and Development Program	TX	Texas
SIMB	Society of Industrial Microbiology and Biotechnology	UCF	University of Central Florida
SJRWMD	St. Johns River Water Management District	UME	Unusual mortality event
SL	Standard length	U.S.	United States
SPR	Spawning potential ratio	USA	United States of America
SSB	Spawning stock biomass	USACE	U.S. Army Corps of Engineers
SSC	Species of special concern	USDA	United States Department of Agriculture
SSO	<i>Haplosporidium costale</i>	USEPA	U.S. Environmental Protection Agency
SST	Sea surface temperature	USF	University of South Florida
STSSN	Sea Turtle Stranding and Salvage Network	USFWS	U.S. Fish and Wildlife Service
STX	Saxitoxin	USGS	U.S. Geological Survey
SWOT	State of the Worlds Sea Turtles	USM	The University of Southern Mississippi
SWSS	Sperm whale seismic survey	USSCP	U.S. Shorebird Conservation Plan
TAC	Total allowable catch	UTM	Universal Transverse Mercator
TAMU	Texas A&M University	VPA	Virtual population analysis
TAMU-CC	Texas A&M University at Corpus Christi	WAS	West Atlantic sailfish
		WBD	White band disease
		WCCA	Whooping Crane Conservation Association
		WP	White plague
		WSSV	White spot syndrome virus
		YBS	Yellow band syndrome
		YOY	Young-of-the-year
		yr	Year

APPENDIX B

UNIT CONVERSION TABLE

Multiply	By	To obtain
Acre	0.405	Hectare
Acre	1.56 E-3	Square mile (statute)
Centimeter	0.394	Inch
Cubic feet	0.028	Cubic meter
Cubic feet	7.48	Gallon (U.S. liquid)
Cubic feet	28.3	Liter
Cubic meter	35.3	Cubic feet
Cubic yard	0.76	Cubic meter
Feet	0.305	Meter
Gallon (U.S. liquid)	3.79	Liter
Hectare	2.47	Acre
Inch	2.54	Centimeter
Kilogram	2.20	Pound (avoir)
Kilometer	0.62	Mile (statue)
Liter	0.035	Cubic feet
Liter	0.26	Gallon (U.S. liquid)
Meter	3.28	Feet
Metric ton(ne)	1.102	U.S. short ton
Mile (statue)	1.61	Kilometer
Pound (avoir)	0.45	Kilogram
Square feet	0.093	Square meter
Square kilometer	0.386	Square mile
Square mile	640	Acre
Square mile	2.59	Square kilometer

INDEX

A

Acoustic pollution, 1551, 1555–1557
Actitis macularius, 1364
Agricultural runoff, 1289
Aix sponsa, 1364
Albacore (*Thunnus alalunga*), 877
Algae, 884, 979, 1207, 1243, 1244, 1249, 1250, 1253, 1274, 1289, 1596, 1602, 1612, 1614–1616, 1661, 1680, 1687, 1707
Algal bloom, 1277, 1560, 1590, 1605, 1687
Allelopathy, 1590, 1609
Allochthonous, 1590, 1592
Allowable biological catch, 911
American Anhinga, 1364, 1438
American Avocet, 1689
American Bird Conservancy (ABC), 1426
American coot, 1365, 1689, 1690
American Golden Plover, 1365
American Ornithologists' Union (AOU), 1357, 1414, 1419
American Oystercatcher (*Haematopus palliatus*), 1359, 1364
American white pelican, 1364, 1428, 1441, 1646, 1652, 1689–1691
American Wigeon, 1364, 1441, 1442
Amnesic shellfish poisoning (ASP), 1609, 1610
Anaerobic methane oxidation, 1617–1618
Anas acuta, 1364
Anas americana, 1364
Anas crecca, 1364
Anas discors, 1364
Anas platyrhynchos, 1364
Angelfishes, 872
Anhinga anhinga, 1364
Anthropogenic impacts, 1196, 1277, 1315, 1316, 1490, 1551–1565, 1585
AOU. *See* American Ornithologists' Union (AOU)
Apalachicola Bay, 977, 1214, 1539, 1541
Aransas Bay, 1250, 1539
Archie Carr National Wildlife Refuge (ACNWR), 1223, 1224, 1239–1241
Ardea alba, 1364
Ardea herodias, 1364

Arenaria interpres, 1364, 1607
Armored searobins, 871
Arsenic (As), 1664
Atchafalaya Bay, 1091, 1539
Atlantic angel shark (*Squatina dumerili*), 987
Atlantic bluefin tuna (*Thunnus thynnus*), 877, 913–923, 1005
Atlantic blue marlin (*Makaira nigricans*), 876, 877, 923–931, 1005
Atlantic goliath grouper (*Epinephelus itajara*), 877
Atlantic sailfish (*Istiophorus albicans*), 876, 877, 939–946, 1005
Atlantic sharpnose shark (*Rhizoprionodon terraenovae*), 986
Atlantic spotted dolphin (*Stenella frontalis*), 1496, 1497, 1536, 1537, 1564
Atlantic sturgeon (*Acipenser oxyrinchus*), 881
Atlantic swordfish (*Xiphias gladius*), 876, 877, 931–939, 1005
Atlantic thread herring (*Opisthonema oglinum*), 877, 1118
Autochthonous, 1590, 1592
Aythya affinis, 1364, 1607
Aythya collaris, 1364

B

Bacterial contamination/contaminants, 1606
Bacterial disease, 1619–1629
Baffin Bay, 1603
Bald Eagle (*Haliaeetus leucocephalus*), 1358, 1359, 1363
Banded drum (*Larimus fasciatus*), 881
Barataria Bay, 1091, 1539, 1603
Barataria-Terrebonne Estuary, 1437, 1438
Bartramia longicauda, 1364
Basking shark (*Cetorhinus maximus*), 987
Basslets, 871
Batfish, 875
Bay of Fundy, 990
BBS. *See* Breeding Bird Survey (BBS)
Beach advisory(ies), 870
Beach closing(s), 1221, 1297
Belted kingfisher, 1365

- Bigeye (*Thunnus obesus*), 877
 Bigeye sand tiger shark (*Odontaspis noronhai*), 987
 Bigeye sixgill shark (*Hexanchus nakamurai*), 987
 Bigeye thresher shark (*Alopias superciliosus*), 987
 Bignose shark (*Carcharhinus altimus*), 987
 Billfish, 869, 871, 874, 876, 884, 923, 933, 942, 972, 974, 989, 1140
 Biloxi Bay, 1617, 1625, 1631, 1633, 1634
 Biodiversity, 869, 1355, 1447, 1552, 1561, 1590, 1616, 1660–1662, 1665–1671, 1694
 Birds of North America (BNA), 1357, 1385
 Black-band disease (BBD), 1708, 1709
 Black-bellied, 1365, 1382
 Black-capped Petrel (*Pterodroma hasitata*), 1357
 Black-capped Vireo (*Vireo atricapillus*), 1358
 Black-crowned Night Heron, 1364, 1397, 1439, 1442, 1444
 Black drum (*Pogonias cromis*), 877, 1613, 1624, 1632, 1675, 1704
 Blackfin snapper (*Lutjanus buccanella*), 877, 885, 893, 1134
 Black-necked Stilt, 1364, 1378, 1441
 Blacknose shark (*Carcharhinus acronotus*), 986
 Black Rail (*Laterallus jamaicensis*), 1358, 1365
 Black sea bass (*Centropristis striata*), 881
 Black Skimmer (*Rynchops niger*), 1353, 1359
 Black Tern, 1365, 1382, 1428
 Blacktip shark (*Carcharhinus limbatus*), 986, 995–998, 1607, 1651
 Blainville's beaked whale (*Mesoplodon densirostris*), 1496, 1497, 1509, 1511, 1512, 1563
 Blue crab, 991, 1041, 1043, 1045, 1046, 1048, 1049, 1052–1054
 Blue crab landings, 1045, 1048, 1049, 1053, 1054
 Bluefish (*Pomatomus saltatrix*), 877, 919, 966, 1427, 1675
 Blueline snapper (*Lutjanus kasmira*), 877
 Blue shark (*Prionace glauca*), 987
 Blue whale (*Balaenoptera musculus*), 1489, 1497
 Blue-winged teal, 1364, 1437, 1442
 Boat collision,
 Bonnethead shark (*Sphyrna tiburo*), 987, 1651
 Bonnetmouths, 872
 Bottlenose dolphin (*Tursiops truncatus*), 1489, 1497, 1535, 1536, 1541–1545, 1693
 Breeding Bird Survey (BBS), 1354, 1356, 1394, 1399, 1401–1403, 1407, 1409, 1417–1419, 1421–1426, 1444–1446
Brevoortia gunteri, 877, 896–904, 1005, 1674, 1675
Brevoortia patronus, 876, 877, 896–904, 1005, 1040, 1388, 1549, 1593, 1606, 1614, 1623, 1627, 1674, 1675
Brevoortia smithi, 877, 896–904, 1005
 Brown Booby, 1364, 1365, 1428
 Brown Pelican (*Pelecanus occidentalis*), 1357–1359, 1364, 1692
 Brown shrimp, 1043, 1044, 1046, 1048, 1049, 1056, 1060–1063, 1065–1068, 1071, 1073–1077, 1207, 1209, 1601, 1613, 1695
 Brown shrimp landings, 1043–1044
 Bryde's whale (*Balaenoptera edeni*), 1489, 1497, 1500–1502, 1563
Bubulcus ibis, 1364
 Buck Island Reef National Monument (BIRNM), 1265
 Buff-breasted Sandpiper, 1364
 Bullet wounds, 1581
 Bull shark (*Carcharhinus leucas*), 986
Butorides virescens, 1364
 Butterfishes, 874, 876, 887, 1649
 Butterflyfishes, 872
 Bycatch, 870, 888, 890, 892, 936, 939, 943, 945, 967, 968, 988, 989, 993, 998, 1001–1003, 1007, 1189, 1196, 1198, 1215, 1233, 1234, 1276, 1279–1284, 1312–1315, 1533, 1551–1554
 Bycatch reduction device (BRD), 1198, 1279

C
 Cadmium (Cd), 1379, 1697, 1703
 Calcium (Ca), 1611, 1612, 1661
Calidris alba, 1607
Calidris alpina, 1364
Calidris canutus, 1364
Calidris fuscicollis, 1364
Calidris himantopus, 1364
Calidris mauri, 1364
Calidris melanotos, 1364

- Calidris minutilla*, 1364
Calidris pusilla, 1364
California sea lions (*Zalophus californianus*), 1489
Cape Sable Seaside Sparrow (*Ammodramus maritimus mirabilis*), 1357, 1424
Capture-mark-recapture (CMR), 1214, 1218, 1219, 1250, 1251, 1262
Carangidae (jacks), 872, 876, 877
Cardinalfishes, 871
Caribbean monk seal (*Monachus tropicalis*), 1489
Caribbean reef shark (*Carcharhinus perezii*), 987
Caribbean Regional Fisheries Mechanism (CRFM), 974
Caribbean Sea, 869, 882, 888, 910, 923, 938, 961, 1245, 1263, 1264, 1289, 1549, 1668, 1686, 1708, 1709
Caribbean sharpnose shark (*Rhizoprionodon porosus*), 987
Caspian Tern, 1365, 1373, 1382, 1418, 1422
Catch per unit effort (CPUE), 974, 1062, 1076–1077, 1216, 1250, 1601, 1605
Catoptrophorus semipalmatus, 1364
Cattle Egret, 1364, 1375, 1382, 1397, 1438
CCL. *See* Curved carapace length (CCL)
Center for Prediction of Red Tides (CPR), 1605
Ceryle alcyon, 1365
Cetacean, 1316, 1489, 1490, 1492–1496, 1498, 1499, 1502, 1518, 1520, 1524, 1526, 1533, 1534, 1538, 1542, 1546–1551, 1553–1561, 1564, 1565, 1582–1587, 1601, 1693, 1694
Charadrius melodus, 1357–1359, 1364
Charadrius nivosus, 1353, 1359, 1365, 1410
Charadrius semipalmatus, 1364
Charadrius vociferus, 1364
Charadrius wilsonia, 1365, 1410
Chelonid fibropapilloma-associated herpesvirus (CFPHV), 1686
Chlidonias niger, 1365
Choctawhatchee Bay, 1539, 1541
Christmas Bird Count, 1354, 1356, 1386, 1393, 1394, 1396, 1398, 1399, 1402, 1404, 1405, 1408, 1409, 1411, 1413, 1414, 1418, 1420, 1421, 1424, 1425, 1432, 1442–1446
Chromium (Cr), 1664
CITES. *See* Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
Clapper Rail, 1361, 1362, 1365, 1369, 1373, 1375, 1377, 1384, 1407–1410, 1426, 1445, 1448, 1449
Clingfishes, 873
Clupeidae (herrings), 875, 876, 896
Clymene dolphin (*Stenella clymene*), 1489, 1493, 1497, 1528, 1530, 1531, 1564
CMR. *See* Capture-mark-recapture (CMR)
Coastal Bend Bay, 1423
Coastal Study Area (CSA), 1090–1094
Cobia (*Rachycentron canadum*), 877, 966, 1136, 1621, 1675
Codlets, 875
Coefficient of variation (CV), 883, 1433, 1505, 1507–1509, 1514–1519, 1521–1526, 1528, 1530, 1531, 1533–1536, 1538–1540, 1542, 1544, 1553
Coherence, 1591, 1670
Cold kill, 1610–1614, 1711
Collision Regulation (COLREG), 1061
Colonial nesting species, 1370, 1371, 1373, 1385, 1417, 1437, 1443, 1448
Combtooth blennies, 873
Commercial fisheries, 876, 892, 939, 945, 947, 952, 954, 958, 967, 974, 980, 984, 988, 994, 996, 1005, 1039, 1042–1107, 1175, 1186, 1187, 1196, 1223, 1312, 1553, 1597, 1617
Commercial Fisheries Information Network (ComFIN), 1042
Commercial seafood industry, 1050, 1056, 1057, 1187
Common bottlenose dolphin (*Tursiops truncatus*), 1489, 1497, 1535, 1564, 1693
Common Gallinule, 1365
Common Loon, 897, 1364, 1373, 1379, 1384–1388, 1428, 1432, 1445, 1448, 1449, 1689, 1690
Common snook (*Centropomus undecimalis*), 877, 1628, 1632, 1651
Common Tern, 1365, 1382
Common thresher shark (*Alopias vulpinus*), 987
Consumer Price Index (CPI), 1065, 1078, 1097, 1098

- Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES), 1199, 1357, 1546, 1553
- Copper (Cu), 1617, 1664, 1684, 1697
- Corpus Christi Bay, 1438, 1445, 1446, 1539
- Coryphaena hippurus*, 876, 1522
- Coryphaenidae (dolphins), 871, 876–877
- Cowfishes, 874
- Cownose ray (*Rhinoptera bonasus*), 1003, 1704
- CPI. *See* Consumer Price Index (CPI)
- CPUE. *See* Catch per unit effort (CPUE)
- Crevalle jack (*Caranx hippos*), 877, 1623, 1675
- CSA. *See* Coastal Study Area (CSA)
- Cuban Black Hawk (*Buteogallus gundlachii*), 1358
- Cuban Kite (*Chondrohierax wilsonii*), 1358
- Curved carapace length (CCL), 1234, 1244, 1258, 1270, 1686
- Curved fork length (CFL), 915, 918, 919
- Cusk-eels, 875
- Cutlassfishes, 874, 941, 965, 1613
- Cuvier's beaked whale (*Ziphius cavirostris*), 1496, 1497, 1509, 1510, 1563
- D**
- Dark-spots disease (DSD), 1708
- DDT. *See* Dichlorodiphenyltrichloroethane (DDT)
- Dead zone, 1289, 1379, 1592, 1594, 1596–1602
- Deep Gulf of Mexico Benthos (DGoMB), 1610, 1656, 1664, 1700
- Deep scattering layer (DSL), 1526
- Deepwater cardinalfishes, 871
- Deepwater Horizon, 870, 878, 1004, 1007, 1189, 1294, 1312, 1354, 1356, 1442, 1589
- Deepwater Horizon accident, 1294
- Dendrocygna bicolor*, 1364
- Developmental abnormalities, 1676–1685, 1712
- Dichlorodiphenyltrichloroethane (DDT), 1288, 1354, 1373, 1379, 1380, 1382, 1388, 1404, 1448, 1557, 1558, 1611, 1626, 1665
- Diftfishes, 874
- Dinoflagellate, 901, 976, 978, 1378, 1560, 1595, 1602–1606, 1608–1610, 1617, 1636–1638, 1640–1642, 1687, 1701, 1702, 1707
- Disease, 1278, 1290, 1373, 1378, 1551, 1589–1713
- Dissolved oxygen (DO), 879, 880, 887, 902, 1289, 1592, 1597–1601, 1605, 1635, 1647
- Dockside value, 1048–1049, 1052, 1054, 1056–1058, 1088, 1095–1097
- Dolphinfish (*Coryphaena hippurus*), 876, 877, 966, 969–975, 1006, 1136, 1522
- Domoic acid (DA), 1560, 1609, 1610, 1690
- Double-crested cormorant, 1364, 1378, 1382, 1428, 1442, 1646, 1689
- Dragonets, 873
- Driftnet, 936, 1223
- Dry Tortugas National Park (DTNP), 1229, 1238, 1275, 1276
- DTNP. *See* Dry Tortugas National Park (DTNP)
- Dunlin, 1364
- Durable expenditures, 1109
- Dusky shark (*Carcharhinus obscurus*), 987
- Dwarf sperm whale (*Kogia sima*), 1497, 1505, 1507, 1508, 1563
- Dynamic height anomaly (DHA), 1550
- E**
- Eastern Brown Pelican (*Pelecanus occidentalis*), 1358–1359, 1364, 1692
- Ecological Society of America (ESA), 1199, 1200
- Eelpouts, 873
- EEZ. *See* Exclusive Economic Zone (EEZ)
- Egretta caerulea*, 1359, 1364
- Egretta rufescens*, 1353, 1358, 1359, 1362, 1364
- Egretta thula*, 1359, 1364
- Egretta tricolor*, 1359, 1364
- Elegant Tern (*Sterna elegans*), 1358
- Employment, 1041, 1049–1052, 1100, 1103, 1177, 1187
- Epinephelus morio*, 1056
- Epizootic, 1591, 1624, 1631, 1635, 1673, 1676, 1689, 1694, 1696, 1702–1704
- Eskimo Curlew (*Nemenius borealis*), 1357, 1358
- Estimated mean biomass (EMB), 1549, 1550
- Eudocimus albus*, 1359, 1364
- European Union (EU), 1081
- Eutrophication, 1551, 1590, 1592–1596, 1615, 1616, 1687, 1711
- Everglade Snail Kite (*Rostrhamus sociabilis plumbeus*), 1675

- Exclusive Economic Zone (EEZ), 916, 934, 938, 942, 954, 1041, 1061, 1078, 1112, 1113, 1130, 1149, 1280, 1493, 1502, 1504, 1508, 1513, 1514, 1516, 1519, 1520, 1522, 1524, 1526, 1527, 1529, 1531, 1532, 1534, 1536, 1537, 1544, 1545, 1565
- Export, 980, 1054, 1059, 1060, 1187, 1592
- F**
- False killer whale (*Pseudorca crassidens*), 1497, 1517–1519, 1563
- Fertilizer, 1379, 1612
- FGBNMS. *See* Flower Gardens Banks National Marine Sanctuary (FGBNMS)
- Fibropapillomatosis (FP), 1290, 1685–1687, 1712
- Filefishes, 874, 927, 1243
- Finescale menhaden (*Brevoortia gunteri*), 877, 896–904, 1674, 1675
- Finetooth shark (*Carcharhinus isodon*), 987
- Finfish, 869–986, 989, 991, 1004–1007, 1041–1043, 1046, 1048, 1049, 1054, 1056, 1146, 1175
- Fin whale (*Balaenoptera physalus*), 1490, 1497
- Fish (consumption) advisory(ies), 870
- Fisheries of the United States (FUS), 1050, 1052, 1276
- Fishery Conservation and Management Act (FCMA), 1041
- Fishery/Fish Management Plan (FMP), 885, 899, 1007, 1041
- Fishery management unit (FMU), 988, 989
- Flatheads, 873
- Florida Bay, 883, 1236, 1238, 1252, 1253, 1275, 1395, 1397, 1445, 1603, 1613, 1628, 1661
- Flower Gardens Banks National Marine Sanctuary (FGBNMS), 878, 905, 1002, 1235–1237
- Flyingfishes, 875, 882, 933
- Flying gurnards, 871, 972
- FMP. *See* Fishery/Fish Management Plan (FMP)
- Food and Agriculture Organization (of the United Nations), 1552
- Fork length (FL), 886, 887, 890, 897, 899, 907, 908, 917, 918, 963–965, 971, 972, 977, 982, 996
- Forster's Tern, 1353, 1365, 1371, 1374, 1382, 1437, 1438, 1448
- Franklin's Gull, 1364, 1428
- Fraser's dolphin (*Lagenodelphis hosei*), 1497, 1521, 1525, 1527, 1564
- Fregata magnificens*, 1353, 1364
- Frogfishes, 875
- Fulica americana*, 1365
- Fulvous Whistling-Duck, 1364, 1437
- Fungal disease, 1619, 1636
- G**
- Gag grouper (*Mycteroperca microlepis*), 877, 893, 905, 1046, 1056
- Galapagos shark (*Carcharhinus galapagensis*), 987
- Gallinago delicata*, 1364
- Gallinula chloropus*, 1365, 1381
- Galveston Bay, 1075, 1084, 1094, 1207, 1388, 1389, 1405, 1417, 1423, 1426, 1438, 1439, 1445, 1446, 1539, 1541, 1557, 1603, 1621, 1623, 1643, 1702
- Galveston Bay Status and Trends Project (GBST), 1075, 1145, 1417, 1438, 1444
- Gavia immer*, 1364
- GBST. *See* Galveston Bay Status and Trends Project (GBST)
- Gelochelidon nilotica*, 1365
- Geographic information system (GIS), 1236, 1478
- Gervais' beaked whale (*Mesoplodon europaeus*), 1496, 1497, 1512, 1563
- Giant manta ray (*Manta birostris*), 1003
- Global climate change, 1286, 1447
- Glossy Ibis, 1364, 1441
- GMFMC. *See* Gulf of Mexico Fishery Management Council (GMFMC)
- Goatfishes, 872
- Gobie, 873, 1657
- Golden-cheeked Warbler (*Dendroica chrysoparia*), 1358
- Golden snapper (*Lutjanus inermis*), 877
- Great blue heron, 1364, 1375, 1382, 1391, 1397, 1438, 1439, 1444, 1689, 1690
- Great Egret, 1364, 1375, 1378, 1379, 1384, 1391–1394, 1397, 1425, 1426, 1438, 1439, 1442, 1445, 1448

- Greater amberjack (*Seriola dumerili*), 876, 877, 893, 980–986, 1006, 1046
- Greater Yellowlegs, 1364
- Great hammerhead shark (*Sphyrna mokarran*), 986
- Great white shark (*Carcharodon carcharias*), 987, 1000
- Green Heron, 1364
- Green turtle (*Chelonia mydas*), 1189, 1239–1253, 1685–1687
- Green-winged Teal, 1364, 1435
- Grunts, 872, 972, 1117–1121, 1152–1156, 1612, 1613, 1684
- Grus canadensis*, 1358, 1359, 1365
- GSMFC. *See* Gulf States Marine Fisheries Commission (GSMFC)
- Gulf Coast Joint Venture (GCJV), 1394, 1435
- Gulf Coast Research Laboratory (GCRL), 1634, 1654, 1692
- Gulf menhaden (*Brevoortia patronus*), 876, 877, 896–904, 1005, 1040, 1388, 1549, 1593, 1606, 1614, 1623, 1627, 1674, 1675
- Gulf of Mexico Aquatic Mortality Response Network (GMNET), 1633
- Gulf of Mexico Fishery Management Council (GMFMC), 885–888, 893, 905, 908, 909, 911, 912, 950–952, 954, 955, 961, 963, 965–967, 972–974, 983, 984, 1041, 1045, 1056, 1096, 1099, 1114, 1122, 1129, 1130, 1132, 1134–1136, 1138–1140
- Gulf of Mexico Offshore Monitoring Experiment (GOOMEX), 958, 1062
- Gulf of Mexico Research Initiative (GoMRI), 843, 1740
- Gulf States Marine Fisheries Commission (GSMFC), 899, 903, 979, 1039, 1041–1042, 1052, 1082, 1099
- Gull-billed Tern, 1365, 1382, 1438
- H**
- HAB. *See* Harmful algal bloom (HAB)
- Habitat availability, 1363, 1366–1371, 1374, 1375, 1391, 1447
- Habitat loss, 1291, 1374, 1377, 1382, 1383, 1388, 1408, 1409, 1411–1414, 1419, 1424, 1426, 1434, 1439, 1443, 1447–1449
- Habitat suitability, 1366, 1370–1372, 1374, 1443, 1448
- Haematopus palliatus*, 1359, 1364
- Hakes, 875, 933
- Haplosporidium costale*, 1703
- Haplosporidium nelsoni*, 1703
- Harbor porpoise (*Phocoena phocoena*), 1489
- Harmful algal bloom (HAB), 1378, 1551, 1560, 1592, 1603–1610, 1615
- Harte Research Institute for Gulf of México Studies (HRI), 780, 786, 793
- Hawkfishes, 872, 873
- Hawksbill turtle (*Eretmochelys imbricata*), 1189, 1263–1276, 1686
- Heat kill, 1614–1617, 1711
- Helminth (worm) parasite, 1378, 1645–1652, 1660
- Herring Gull, 1365, 1382, 1414, 1428, 1429, 1432, 1441, 1689
- Herrings, 869, 875–877, 896, 915, 933, 965, 966, 1117–1121, 1152–1156, 1160, 1599, 1600, 1605, 1607, 1635
- Hexachlorocyclohexanes (HCHs), 1557
- Highly migratory species (HMS), 917, 922, 932, 939, 940, 989, 1140, 1141, 1197
- Himantopus mexicanus*, 1364
- HMS. *See* Highly migratory species (HMS)
- Humpback whale (*Megaptera novaeangliae*), 1490, 1497
- Hurricane, 881, 910, 1042, 1084, 1085, 1090, 1092, 1133, 1142–1144, 1150, 1163, 1164, 1174, 1248, 1272, 1278, 1286, 1287, 1312, 1314, 1360–1363, 1366, 1373–1376, 1380, 1407, 1412, 1419, 1437, 1440, 1447, 1448, 1552, 1561, 1619, 1634, 1638, 1649, 1660–1663, 1694, 1706, 1709, 1712
- Hurricane Katrina, 1084, 1085, 1092, 1142, 1143, 1163, 1164, 1174, 1552, 1561, 1634, 1649, 1661, 1663, 1694
- Hurricane Rita, 1084, 1561
- Hydroprogne caspia*, 1365
- Hypersalinity, 1617, 1711
- Hypothermic stunning, 1251, 1278, 1291–1293, 1312
- Hypoxia, 1277, 1379, 1592, 1594, 1596, 1601–1602
- I**
- ICCAT. *See* International Commission for the Conservation of Atlantic Tunas (ICCAT)
- Ichthyofaunal community, 869, 870, 880, 881

- Illegal egg poaching, 1284
- Import, 1049–1052, 1057–1061, 1079, 1081, 1082, 1096, 1097, 1101, 1175, 1176, 1187, 1192, 1194–1196
- Income, 1050–1052, 1078, 1087, 1096, 1099, 1101, 1109–1111, 1113, 1149, 1150, 1177, 1178
- Indicator species, 1354–1356, 1380, 1385–1427, 1431, 1444, 1449
- Indo-Pacific bottlenose dolphin (*Tursiops aduncus*), 1489, 1536
- Infection, 1378, 1557, 1589, 1591, 1595, 1615, 1616, 1619–1621, 1624–1646, 1648–1653, 1655, 1657, 1659, 1663–1665, 1667, 1670, 1684, 1686–1688, 1692, 1694–1697, 1700, 1702–1708, 1711, 1712
- Infestation, 1373, 1591, 1596, 1632, 1650, 1651, 1655–1658, 1688, 1690, 1692, 1697, 1704, 1713
- Intergovernmental Panel on Climate Change (IPCC), 1377, 1561
- Interior Least Tern (*Sterna antillarum*), 1357, 1358
- International Commission for the Conservation of Atlantic Tunas (ICCAT), 913, 915, 917, 918, 922–927, 930–932, 940, 942, 945, 946
- International Union for the Conservation of Nature (IUCN), 931, 1200, 1245, 1247, 1270, 1359, 1495, 1546, 1563, 1564
- Invasive species, 1278, 1373, 1374, 1400
- Istiophorus albicans*, 876, 877, 939–946, 1005
- IUCN. *See* International Union for the Conservation of Nature (IUCN)
- Ivory-billed Woodpecker (*Campephilus principalis*), 1358
- J**
- Jawfishes, 871, 1638
- Jubilee phenomenon, 1602
- K**
- Kemp's ridley turtle (*Lepidochelys kempii*), 1189, 1203–1223
- Key West National Wildlife Refuge (KWNWR), 1238, 1253, 1275, 1276
- Killdeer, 1364
- Killer whale (*Orcinus orca*), 1489, 1497, 1513, 1514, 1563
- Killifish, 875, 1154, 1618, 1627, 1639, 1640, 1652, 1659, 1660, 1662, 1679, 1680
- King mackerel (*Scomberomorus cavalla*), 876, 877, 961–969, 1136
- King Rail, 1365, 1441
- KWNWR. *See* Key West National Wildlife Refuge (KWNWR)
- L**
- Land subsidence, 1361, 1377
- Lane snapper (*Lutjanus synagris*), 877, 885, 893, 1134, 1654, 1655
- Large Coastal Sharks, 869, 877, 878, 986–989, 992–998, 1000–1001
- Larus argentatus*, 1365, 1382
- Larus atricilla*, 1353, 1364
- Larus delawarensis*, 1365
- Larus fuscus*, 1365
- Larus pipixcan*, 1364
- Laterallus jamaicensis*, 1358, 1365
- Laughing gull, 1364–1366, 1371, 1373–1375, 1378, 1380–1382, 1397, 1414–1419, 1422, 1423, 1426, 1428–1430, 1432, 1437, 1438, 1442, 1444, 1446, 1448, 1449, 1689, 1690
- Lead (Pb), 880, 914, 1058, 1082, 1092, 1199, 1373, 1377, 1379, 1494, 1557, 1711
- Least Sandpiper, 1364, 1382
- Least Tern (*Sterna antillarum*), 1357–1359, 1362, 1365
- Leatherback, 1189, 1191, 1197–1200, 1202, 1686
- Leatherback turtle (*Dermochelys coriacea*), 1189, 1253–1263, 1686
- Lefteye founders, 874
- Lemon shark (*Negaprion brevirostris*), 986
- Lesser Black-backed Gull, 1365
- Lesser Scaup, 1364, 1607, 1613, 1688, 1689
- Lesser Yellowlegs, 1364
- Limosa fedoa*, 1364
- Little Blue Heron (*Egretta caerulea*), 1359, 1364
- Lizardfish, 875
- Loggerhead turtle (*Caretta caretta*), 1189, 1223–1239, 1628, 1686
- Long-beaked common dolphins (*Delphinus capensis*), 1490
- Long-billed Curlew, 1364, 1441, 1443
- Longfin mako shark (*Isurus paucus*), 987
- Long-finned pilot whale (*Globicephala melas*), 1490, 1497, 1514
- Longline, 892, 911, 912, 919, 936, 938, 939, 943, 945, 954, 959, 974, 984, 985, 989, 995,

- 1001, 1223, 1280–1284, 1305, 1313, 1314, 1428, 1514, 1553
- Lopholatilus chamaeleonticeps*, 876, 877, 893
- Louvars, 873
- Lower-jaw fork length (LJFL), 933, 938
- Lutjanidae (snappers), 872, 876, 882, 885–895
- Lutjanus campechanus*, 876, 877, 886–889, 891, 893–895, 1005, 1046, 1134, 1622, 1623, 1636, 1650
- M**
- Mackerel, 876, 884, 897, 924, 961, 962, 972, 991, 1606, 1679, 1683
- Magnificent Frigatebird, 1353, 1364, 1365, 1373, 1428, 1448
- Makaira nigricans*, 876, 877, 923–931, 1005, 1141
- Malacanthidae (tilefishes), 871, 876, 956
- Mallard, 1364, 1379, 1400, 1689, 1690
- Manefishes, 872
- Marbled Godwit, 1359, 1364, 1442
- Marian's Marsh Wren (*Cistohorus palustris marianae*), 1359
- Marine Fisheries Advisory Committee (MAFAC),
- Marine-land interface, 1353, 1354, 1366–1373
- Marine Recreational Fisheries Statistics Survey (MRFSS), 1039, 1107
- Marine Recreational Information Program (MRIP), 1040, 1107
- Masked Booby, 1364, 1365
- Masked Duck, 1364
- Maximum fishing mortality threshold (MFMT), 895, 968
- Maximum sustainable yield (MSY), 895
- Medusafishes, 874
- Melon-headed whale (*Peponocephala electra*), 1497–1499, 1518, 1521–1522, 1549, 1557, 1563
- Menhaden (*Brevoortia* spp.), 877
- Menhaden landings, 1043, 1044, 1055, 1100
- Mercury (Hg), 870, 1379, 1386, 1388, 1405, 1448, 1558
- Metazoan parasite, 1653–1659, 1665
- Methylmercury, 1379, 1386
- Minerals Management Service (MMS), 1288, 1444
- Minimum spawning stock threshold (MSST), 895, 969, 970
- Minke whale (*Balaenoptera acutorostrata*), 1497
- Mississippi River, 878, 879, 888, 892, 893, 926, 954, 955, 1091, 1100, 1189, 1219, 1289, 1379, 1539, 1549, 1565, 1601, 1649, 1661, 1671, 1699
- Mississippi Sandhill Crane (*Grus canadensis*), 1359
- Mobile Bay, 883, 950, 991, 1435, 1539, 1557, 1602, 1627, 1634, 1703
- Mojarras, 872
- Moray eels, 875
- mortalities, 948, 1276, 1283, 1313, 1540, 1553, 1554, 1562, 1589–1713
- mortality events, 1560, 1602, 1603, 1627, 1661, 1694, 1711, 1712
- Mugil cephalus*, 876, 877, 975–980, 1056, 1593, 1597, 1606, 1611, 1614, 1626, 1643, 1644, 1658, 1673–1678
- Mugilidae (mulletts), 875–877
- Mulletts, 869, 875–877, 949, 951, 1004, 1056, 1596, 1607, 1613, 1650
- Mutton snapper (*Lutjanus analis*), 877, 885, 893, 1134
- Mycteria americana*, 1357–1359, 1365
- N**
- Narrowtooth shark (*Carcharhinus brachyurus*), 987, 988
- Nassau grouper (*Epinephelus striatus*), 877, 905
- National Land Cover Dataset (NLCD), 1478, 1479, 1481–1483
- National Marine Fisheries Service (NMFS), 870, 1043, 1190, 1492, 1589, 1597
- Needlefishes, 875, 933
- Neoplasm, 1591, 1672–1676, 1712
- Neurotoxic shellfish poisoning (NSP), 1604, 1610
- Night shark (*Carcharhinus signatus*), 987
- Nomonyx dominicus*, 1364
- Non-Passerine species, 1362
- North Atlantic right whale (*Eubalaena glacialis*), 1490, 1497, 1556, 1559
- Northern Aplomado Falcon (*Falco semoralis*), 1357, 1358
- Nuisance algae, 1596, 1602–1603
- Numenius americanus*, 1364
- Numenius phaeopus*, 1364

- Nurse shark (*Ginglymostoma cirratum*), 986
Nyctanassa violacea, 1364
Nycticorax nycticorax, 1364, 1442
- O**
- Oceanic whitetip shark (*Carcharhinus longimanus*), 987
Oceanites oceanicus, 1364
Ocean sunfishes, 875
Okadaic acid (OA), 1610, 1687
Optimal yield (OY), 911
Osprey (*Pandion haliaetus*), 1359, 1365
Outer continental shelf (OCS), 954, 963, 1429, 1524, 1536
Oyster harvest, 1045, 1048, 1083, 1084, 1092, 1147, 1607
Oyster landings, 1045, 1046, 1049, 1087, 1096
Oyster reef, 1236, 1609
Oyster Technical Task Force (OTTF), 1082, 1084, 1085, 1090, 1094–1096
- P**
- Padre Island National Seashore (PAIS), 1189, 1206, 1269
Pandion haliaetus, 1359, 1365
Pantropical spotted dolphin (*Stenella attenuata*), 1492, 1493, 1497–1499, 1526, 1533–1535, 1549, 1564
Paralytic shellfish poisoning (PSP), 1609, 1610
Parasite, 1589–1591, 1612, 1615, 1619, 1638–1640, 1649, 1650, 1652, 1658–1660, 1662–1667, 1670, 1692, 1700, 1710–1712
Parasitic Jaeger, 1364
Parrotfishes, 873
Passerine species, 1362
Pectoral Sandpiper, 1364
Pelagic Sharks, 869, 877, 965, 986–989, 998–999, 1001–1002
Pelagic survey, 1430–1431
Pelecanus erythrorhynchos, 1364, 1646
Pelecanus occidentalis, 1358–1359, 1364, 1692
Pensacola Bay, 977
Perdido Bay, 1539
Peregrine Falcon (*Falco peregrinus*), 1358, 1359, 1433–1434, 1441
Periodic acid-Schiff (PAS), 1631
Persistent organic pollutant (POP), 1288, 1551, 1557
Phalacrocorax auritus, 1364, 1378, 1646
Phalaropus tricolor, 1364
Pied-billed Grebe, 1364, 1442
Pintail, 1364, 1437, 1441
Pipefishes, 875
Piping Plover (*Charadrius melodus*), 1355, 1357–1359, 1364, 1382, 1384, 1411–1413, 1426, 1443, 1444, 1446, 1449
Platalea ajaja, 1359, 1362, 1364
Plegadis falcinellus, 1364
Pluvialis dominica, 1365
Pluvialis squatarola, 1365
Podilymbus podiceps, 1364
Pollutant, 1373, 1376, 1379–1381, 1386, 1448, 1549, 1703, 1709
Polychlorinated biphenyl (PCB), 1288, 1373, 1380, 1557, 1558, 1621, 1633, 1664, 1665, 1684
Polycyclic aromatic hydrocarbon (PAH), 1288, 1559, 1664
Polymerase chain reaction (PCR), 1702
Pomarine Jaeger, 1364
Pomfrets, 872, 933
Population dynamic, 870, 881, 884–1004, 1216, 1272, 1355, 1373, 1443, 1447, 1554, 1619
Population trends, 1190, 1197, 1315, 1375, 1393, 1396, 1409, 1418, 1425, 1433, 1444, 1449, 1501, 1505, 1562–1564
Porbeagle shark (*Lamna nasus*), 987, 989
Porcupinefishes, 875
Porgies, 869, 872, 876, 908, 911, 1613
Porphyrio martinica, 1365
Port of Houston, Texas, 1555
Porzana carolina, 1365
Predation, 879, 887, 891, 899, 918, 993, 1004, 1128, 1221, 1222, 1272, 1278, 1286, 1373, 1377–1378, 1407, 1408, 1412, 1424, 1624, 1645, 1657, 1699, 1701–1703
Private Oyster Lease Rehabilitation Program (POLR), 1085
Prohibited sharks, 877, 988, 999–1002
Protozoan disease, 1637–1645, 1712
Puffers, 874, 1599, 1609, 1624
Purple Gallinule, 1365
Pygmy killer whale (*Feresa attenuata*), 1497–1499, 1517–1521, 1549, 1563, 1584
Pygmy sperm whale (*Kogia breviceps*), 1497, 1499, 1505–1508, 1549, 1553, 1563

R

- Rallus elegans*, 1365
Rallus longirostris, 1361, 1362, 1365
 Ray, 870, 878, 883, 884, 986–1004, 1597, 1604, 1607, 1640, 1704
 Recreational catch, 892, 998, 1108, 1115–1141, 1151, 1157, 1158, 1160, 1161, 1164, 1170, 1172, 1173, 1181, 1188
 Recreational fisheries, 869, 870, 876, 879, 884, 888, 928, 939, 967, 969, 980, 987, 989, 992, 995, 1004, 1039–1182, 1186–1188, 1276–1284, 1605
 Recreational Fisheries Information Network (RecFIN), 1042
Recurvirostra americana, 1364
 Reddish Egret (*Egretta rufescens*), 1353, 1358, 1359, 1362, 1364, 1373, 1375, 1384, 1385, 1392–1396, 1426, 1437, 1438, 1444, 1445, 1448
 Red drum (*Sciaenops ocellatus*), 876, 877, 881, 882, 884, 897, 947–954, 978, 1005, 1007, 1040, 1117–1122, 1125–1128, 1152–1157, 1159–1163, 1165–1180, 1182, 1493, 1605, 1613, 1614, 1623, 1627, 1628, 1632, 1637, 1655, 1657–1659, 1674, 1683
 Red grouper (*Epinephelus morio*), 876, 877, 882, 884, 893, 905–913, 1005, 1007, 1117–1121, 1131, 1132, 1153–1156, 1674
 Red hind (*Epinephelus guttatus*), 877, 905
 Red Knot, 1360, 1364, 1366, 1373, 1382, 1441, 1443
 Red snapper (*Lutjanus campechanus*), 876, 877, 882–895, 1005, 1007, 1046, 1056, 1097–1099, 1118, 1119, 1121, 1130, 1134, 1135, 1155, 1156, 1158–1163, 1171, 1173–1180, 1622, 1623, 1636, 1650
 Red tide, 881, 911, 1132, 1133, 1277, 1289, 1298, 1378, 1412, 1560–1561, 1590, 1603–1610, 1688, 1690, 1694, 1711
 Reef fish, 880, 885, 892, 893, 905, 911, 958, 959, 984, 1040, 1045, 1046, 1056, 1096–1099, 1128–1131, 1134, 1135, 1138, 1153, 1155, 1157, 1158, 1171, 1172, 1182, 1280, 1281, 1637, 1655
 Registry for Tumors in Lower Animals (RTLA), 1676
 Remoras, 871
 Ring-billed Gull, 1365, 1382, 1428, 1690
 Ring-necked Duck, 1364
 Risso's dolphin (*Grampus griseus*), 1492, 1497–1499, 1523–1526, 1549, 1553, 1558, 1563
 Rock hind grouper (*Epinephelus adscensionis*), 877
 Roseate Spoonbill (*Platalea ajaja*), 1359, 1362, 1364, 1373, 1375, 1384, 1396–1400, 1426, 1438, 1439, 1441–1445, 1448, 1449, 1690
 Roseate Tern (*Sterna dougallii*), 1359
 Rose-throated Becard (*Pachyramphus aglaiae*), 1358
 Rough-toothed dolphin (*Steno bredanensis*), 1497–1499, 1522–1524, 1547, 1549, 1563
 Rovers, 872
 Royal Tern, 1353, 1365, 1373, 1374, 1378, 1381, 1382, 1384, 1416–1420, 1426, 1428, 1432, 1438, 1444, 1446–1449
 Ruddy turnstone, 1364, 1382, 1607
Rynchops niger, 1353, 1359, 1365
- S**
 Sailfish, 939, 941, 942, 972, 974
 San Antonio Bay, 1539
 Sandbar shark (*Carcharhinus plumbeus*), 878, 908, 989, 992–995, 1675
 Sanderling, 1364, 1380, 1382, 1607
 Sandhill Crane (*Grus canadensis*), 1358, 1359, 1365, 1441, 1689
 Sand stargazers, 873
 Sand tiger shark (*Odontaspis taurus*), 988, 993
 Sandwich Tern, 1353, 1354, 1365, 1374, 1375, 1382, 1428, 1437, 1438, 1444, 1448
 Sarasota Bay, 1541–1542, 1557–1558, 1605, 1623
 Sarasota Bay National Estuary Program, 1444
 Saxitoxin (STX), 1609, 1610
 Scalloped hammerhead shark (*Sphyrna lewini*), 986
 Scaly blennies, 873
 Scamp grouper (*Mycteroperca phenax*), 877, 893, 905, 1130, 1674, 1675
 Sciaenidae (drums), 872, 876, 882
Sciaenops ocellatus, 876, 877, 947–954, 1005, 1040, 1605, 1623, 1627, 1674
 Scientific Committee on Antarctic Research (SCAR),

- Scientific Committee on Problems of the Environment (SCOPE),
Scomberomorus cavalla, 876, 877, 961–969, 1006, 1136
Scombridae (mackerels and tunas), 874, 876, 913, 961
Scorpionfishes, 871
Scott's Seaside Sparrow (*Ammodramus maritimus peninsulae*), 1357, 1359, 1369, 1373, 1384, 1424–1426, 1441, 1446, 1447
Sea chubs, 872
Seafood processing, 1100–1107
Seafood wholesaling, 1050, 1101–1102
Sea level rise, 1272, 1278, 1286, 1314, 1317, 1361, 1373, 1377, 1383, 1408, 1434, 1447, 1448, 1613
Searobins, 871
Sea surface temperature (SST), 919, 935, 1215, 1272, 1314, 1496
Sea turtle stranding(s), 1189, 1197, 1278, 1280, 1293–1311, 1686
Sea Turtle Stranding and Salvage Network (STSSN), 1197, 1290, 1293–1296, 1298, 1300, 1302, 1303, 1305–1307, 1309, 1310, 1312
Sei whale (*Balaenoptera borealis*), 1490, 1496, 1497, 1500
Selenium (Se), 1379
Semipalmated Plover, 1364
Semipalmated Sandpiper, 1364
Seriola dumerili, 876, 877, 893, 980–986, 1006, 1046
Serranidae (seabasses), 871, 876, 882, 886, 904–913
Set net, 1283
Sevengill shark (*Heptanchias perlo*), 987, 989, 998, 1001
Shark, 869, 1140, 1280, 1281, 1489, 1607
Shelf flounder (*Etropus cyclosquamus*), 881
Short-beaked common dolphin (*Delphinus delphis*), 1493, 1497, 1528
Short-billed Dowitcher, 1364
Shortfin mako shark (*Isurus oxyrinchus*), 987
Short-finned pilot whale (*Globicephala macrorhynchus*), 1492, 1497–1499, 1514–1517, 1563
Shrimp harvest, 1057, 1060–1062, 1065–1069, 1072, 1078, 1079
Silk snapper (*Lutjanus vivanus*), 877, 885, 893
Silky shark (*Carcharhinus falciformis*), 986
Silver (Ag), 896, 915, 1117, 1118, 1153, 1154, 1160, 1176, 1187, 1492, 1613, 1623, 1631, 1632, 1636, 1664
Silverside, 875, 1595, 1665, 1676
Sixgill shark (*Hexanchus griseus*), 987, 989, 1001
Skate, 878, 986, 1002–1004
Skipjack (*Katsuwonus pelamis*), 877, 1160, 1598
Sleepers, 873
Small Coastal Sharks, 877, 878, 986, 987, 989–992, 999
Smalltail shark (*Carcharhinus porosus*), 987, 999
Smalltooth sawfish (*Pristis pectinata*), 878, 1004
Smooth hammerhead shark (*Sphyrna zygaena*), 986
Snake mackerels, 874, 933
Snook, 871, 877, 978, 979, 1120, 1154–1156, 1598–1600, 1628, 1632, 1651
Snowy Egret (*Egretta thula*), 1359, 1364, 1369, 1392, 1397, 1427, 1438, 1439
Snowy Plover (*Charadrius nivosus*), 1353, 1359, 1365, 1369, 1373, 1381, 1382, 1384, 1410–1412, 1427, 1444, 1446, 1447, 1449
Solitary Sandpiper, 1364
Sooty Tern (*Onychoprion sterna fuscatus*, now *Onychoprion fuscatus*), 982, 984, 1353, 1358, 1376, 1428, 1430
Sora, 1365
Southeast Area Monitoring and Assessment Program (SEAMAP), 1042
Southeast Data, Assessment, and Review (SEDAR), 890
Sowerby's beaked whale (*Mesoplodon bidens*), 1491, 1496, 1497
Spadefish, 873, 1161, 1162, 1173–1178, 1180, 1600, 1623, 1630, 1632
Spanish mackerel (*Scomberomorus maculatus*), 877, 966, 1117–1121, 1136, 1138, 1139, 1152–1156, 1161–1163, 1173–1180, 1617, 1623, 1632, 1679
Spanish sardine (*Sardinella aurita*), 877, 966, 1116–1119, 1153–1155, 1605
Sparidae-porgies, 872, 876
Spawning potential ratio (SPR), 895

- Sperm whale (*Physeter macrocephalus*), 933, 935, 1253, 1489–1492, 1494, 1496–1499, 1502–1508, 1515, 1518, 1549, 1553, 1555, 1556, 1559, 1563, 1565
- Sperm whale seismic survey (SWSS), 1494
- Spikefishes, 874
- Spinner dolphin (*Stenella longirostris*), 1497–1499, 1519, 1521, 1526–1531, 1547, 1553, 1564
- Spinner shark (*Carcharhinus brevipinna*), 986, 987
- Spotted Sandpiper, 1364
- Spotted seatrout (*Cynoscion nebulosus*), 877, 897, 978, 1040, 1116–1128, 1152–1156, 1159–1163, 1165, 1169–1171, 1173–1180, 1182, 1605, 1613, 1614, 1632, 1650, 1655, 1683, 1697
- Squirrelfishes, 875
- Standard length (SL), 910, 1612, 1632
- St. Andrew Bay, 1539
- Stargazers, 873
- Stercorarius parasiticus*, 1364
- Stercorarius pomarinus*, 1364
- Sterna antillarum*, 1357–1359, 1362, 1365
- Sterna forsteri*, 1353, 1365
- Sterna hirundo*, 1365
- Stilt Sandpiper, 1364
- St. Johns River Water Management District (SJRWMD),
- Straight carapace length (SCL), 1209, 1214, 1234, 1244, 1258, 1270
- Strandings, 1216, 1251, 1266, 1273, 1278, 1288, 1293–1312, 1492, 1496, 1497, 1506, 1516, 1517, 1535, 1537, 1545, 1555, 1561–1562, 1565, 1687, 1693, 1712
- Strategic Environmental Research and Development Program (SERDP),
- Striped bass (*Morone saxatilis*), 881, 1163, 1621, 1625, 1652
- Striped dolphin (*Stenella coeruleaolba*), 1497–1499, 1531–1533, 1564, 1565
- Striped mullet (*Mugil cephalus*), 876, 877, 884, 887, 975–980, 1005, 1007, 1056, 1117–1121, 1153–1156, 1160–1163, 1173–1180, 1593, 1597, 1606, 1611, 1612, 1614, 1621, 1623, 1624, 1626–1628, 1636, 1643, 1644, 1663, 1673–1675, 1677–1679, 1684, 1709, 1710
- Submerged aquatic vegetation (SAV), 1374, 1592
- Sula dactylatra*, 1364
- Sula leucogaster*, 1364
- Sulfate reduction, 1617–1618, 1711
- Surgeonfishes, 873
- Swallow-tailed Kite (*Elanoides forficatus*), 1358, 1433
- Symbiosis, 1591–1592
- ## T
- Tampa Bay, 899, 978, 1199, 1217, 1218, 1237, 1275, 1285, 1378, 1388, 1392, 1396, 1418, 1421, 1429, 1540, 1541, 1554, 1557, 1565, 1603, 1674
- Temperate basses, 871, 876
- Texas Colonial Waterbird Survey (TCWS), 1394, 1396, 1399, 1416, 1417, 1421, 1423, 1444
- Thalasseus maxima*, 1365
- Thalasseus sandvicensis*, 1365
- Thermal tolerance range (TTR), 1616, 1617
- The University of Southern Mississippi (USM), 1589, 1664
- Thick-billed Plover, 1365
- Thin dark-line syndrome (TDLS), 1709
- Threadfins, 872, 998
- Thunnus thynnus*, 876, 877, 913–923, 1005
- Tiger shark (*Galeocerdo cuvier*), 986, 987
- Tilefish (*Lopholatilus chamaeleonticeps*), 876, 877, 884, 893, 954–961, 1001, 1006, 1007, 1096, 1099, 1128, 1280, 1281
- Toadfishes, 875
- Tonguefishes, 874, 1209
- Total allowable catch (TAC), 912, 938, 1136
- Total dissolved solids (TDS), 1592, 1594
- Toxic algae, 1602–1610
- Trawl fisheries, 1277, 1279, 1283, 1284, 1313
- Tricolored Heron (*Egretta tricolor*), 1359, 1364, 1438, 1439, 1444, 1690
- Triggerfishes, 874, 876, 972, 1128
- Tringa flavipes*, 1364
- Tringa melanoleuca*, 1364
- Tringa solitaria*, 1364
- Trip expenditures, 1109
- Triphenylphosphate (TTP), 1558
- Tripletails, 872

- Trophic level, 869, 883, 884, 919, 975, 1249, 1360, 1447, 1552, 1557, 1559, 1565, 1607, 1659, 1710
- Tryngites subruficollis*, 1364
- Tube blennies, 873
- Turtle excluder device (TED), 1204, 1278, 1279, 1553
- Turtle Expert Working Group (TEWG), 1190, 1205, 1211, 1219, 1221, 1225, 1226, 1228, 1229, 1233, 1237, 1255, 1280, 1282, 1287, 1289, 1298, 1299
- U**
- Unusual mortality event (UME), 1559–1561, 1585
- Upland Sandpiper, 1364
- U.S. Endangered Species Act (ESA), 1194, 1357, 1501, 1546, 1564
- U.S. Marine Mammal Protection Act (MMPA), 1492, 1554, 1556, 1557, 1563, 1564
- U.S. Shorebird Conservation Plan (USSCP), 1394, 1410, 1411, 1443
- V**
- Vermillion snapper (*Rhomboplites aurorubens*), 877, 885, 893, 1134, 1176
- Vessel strike, 1546, 1551, 1555
- Viral disease, 1624, 1631, 1633
- Virtual population analysis (VPA), 935, 1073
- W**
- Wakulla Seaside Sparrow (*Ammodramus maritimus juncicola*), 1359
- West Atlantic sailfish (WAS), 945, 946
- Western Sandpiper, 1364, 1382, 1443
- West Indian manatee (*Trichechus manatus*), 1489, 1494, 1495, 1497, 1499, 1546, 1547, 1549, 1564, 1607, 1694
- West Indian Whistling-duck (*Dendrocygna arborea*), 1358
- Whale shark (*Rhincodon typus*), 987, 1000, 1001
- Whaling, 1491–1492, 1502, 1523, 1550
- Whimbrel, 1364
- White band disease (WBD), 1708, 1709
- White-faced Ibis (*Plegadis chihi*), 1358, 1370, 1438, 1441, 1444
- White Ibis (*Eudocimus albus*), 1359, 1364, 1373, 1375, 1381, 1397, 1437, 1438, 1441, 1442, 1444, 1690
- White marlin (*Tetrapturus albidus*), 877, 927, 1141
- White plague (WP), 1708
- White-rumped Sandpiper, 1364
- White shrimp landings, 1044–1045, 1049
- Whooping Crane (*Grus americana*), 1357–1359, 1385, 1386, 1405–1407, 1443, 1445, 1449
- Willet, 1364, 1369, 1373, 1375, 1378, 1380–1382, 1676
- Wilson's Petrel, 1364
- Wilson's Phalarope, 1364
- Wilson's Snipe, 1364
- Wood Duck, 1364, 1689
- Wood Stork (*Mycteria americana*), 1357–1359, 1365, 1442, 1690
- Wormfishes, 872
- Wrasse, 872, 1128–1129
- X**
- Xiphias gladius*, 876, 877, 931–934, 936–938, 1005, 1649
- Xiphiidae (billfishes), 869, 871, 872, 876, 923, 933, 972, 974
- Y**
- Year (yr), 879, 1040, 1189, 1354, 1493, 1592
- Yellow band syndrome (YBS), 1708
- Yellow-crowned Night Heron, 1364
- Yellowedge grouper (*Hyporhodus flavolimbatus*), 877, 893, 905, 1130
- Yellowfin grouper (*Mycteroperca venenosa*), 877, 893, 905, 1130
- Yellowfin menhaden (*Brevoortia smithi*), 877, 884, 896–904
- Yellowfin tuna (*Thunnus albacores*), 877, 917, 918, 938, 945, 974, 982, 1056, 1171, 1280
- Yellowtail snapper (*Ocyurus chrysurus*), 877, 885, 893, 1117, 1118, 1134, 1153, 1159, 1674, 1675
- Young-of-the-year (YOY), 963, 990–992, 1100, 1631
- Z**
- Zinc (Zn), 1617