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ATLANTIC OCEAN BASIN

Atlantic Ocean Table 1. Protected shore lands in the Atlantic Ocean Basin.

Park Name	Jurisdiction
Amsterdam Beach	State Park
Atlantic Avenue Town Park	Hempstead Town Park
Atlantique Park	Islip Town Park
Bluff Road Dunesland Park	East Hampton Town Park
Breezy Point	National Recreation Area
Camp Hero	State Park
Cedar Beach Park	Babylon Town Park
Davis Town Park	Brookhaven Town Park
East Atlantic Beach	Hempstead Town Park
Fire Island	National Seashore
Gilgo Beach State Park	State Park
Gilgo Beach Town Park	Babylon Town Park
Great Gun Town Beach	Brookhaven Town Park
Hither Hills	State Park
John F Kennedy Memorial Wildlife Sanctuary	Oyster Bay Town Park
Jones Beach	State Park
Lido Beach Town Park	Hempstead Town Park
Long Beach Park	City of Long Beach Park
Main Town Beach	East Hampton Town Park
Malibu Town Park	Hempstead Town Park
Montauk Point	State Park
Montauk Point	State Park
Napeague	State Park
Nassau Beach County Park	Nassau County Park
Point Lookout Town Park	Hempstead Town Park
Ponquogue Town Beach	Southampton Town Park
Rheinstein Estate Park	East Hampton Town Park
Robert Moses Park	State Park
Rockaway Park	City of New York Park
Sagg Main Town Beach	Southampton Town Park
Shadmoor	State Park
Silver Point County Park	Nassau County Park
Smith Point County Park	Suffolk County Park
Tiana Town Beach	Southampton Town Park
Tobay Beach Park	Oyster Bay Town Park
W Scott Cameron Town Beach	Southampton Town Park

Atlantic Ocean Table 2. Artificial reefs in the Atlantic Ocean Basin, their depth, and principle components.

Name	Depth in Feet	Materials
Rockaway	32 - 40	tires, steel buoys, rock, concrete
Atlantic Beach	55 - 64	tires, auto bodies, trucks, barges, other boats, armored vehicles, various concrete, natural rock
Fishing Line	50 - 53	concrete, barges, boats
Hempstead Town	50 - 72	boats, barges, armored vehicles, concrete rubble, a drydock
Fire Island	62 - 73	tires, barges, boats, armored vehicles, experimental coal ash blocks, natural rock, various concrete rubble
Moriches	70 - 75	tires, various boats, armored vehicles, concrete
Shinnecock	79 - 84	tires, barges, boats, steel and concrete tower, armored vehicles, steel and concrete bridge rubble

Atlantic Ocean Table 3. Species of Greatest Conservation Need currently found within the Atlantic Ocean Basin. Species are listed alphabetically by taxonomic group and then by species common name. Species Group assignment and population stability for the basin are indicated.

TaxaGroup	Species	Scientific Name	Species Group	Stability
Bird	American oystercatcher	<i>Haematopus palliatus</i>	Beach and Island ground-nesting birds	Stable
Bird	Black scoter	<i>Melanitta nigra</i>	Wintering waterbirds	Unknown
Bird	Black skimmer	<i>Rynchops niger</i>	Beach and Island ground-nesting birds	Stable
Bird	Common eider	<i>Somateria mollissima</i>	Wintering waterbirds	Increasing
Bird	Common loon	<i>Gavia immer</i>	Common loon	Unknown
Bird	Common tern	<i>Sterna hirundo</i>	Beach and Island ground-nesting birds	Decreasing
Bird	Cory's shearwater	<i>Calonectris diomedea</i>	Wintering waterbirds	Unknown
Bird	Dunlin	<i>Calidris alpina</i>	Transient shorebirds	Unknown
Bird	Greater scaup	<i>Aythya marila</i>	Wintering waterbirds	Decreasing
Bird	Greater shearwater	<i>Puffinus gravis</i>	Wintering waterbirds	Unknown
Bird	Harlequin duck	<i>Histrionicus histrionicus</i>	Wintering waterbirds	Stable
Bird	Horned grebe	<i>Podiceps auritus</i>	Wintering waterbirds	Unknown
Bird	Least tern	<i>Sterna antillarum</i>	Beach and Island ground-nesting birds	Decreasing
Bird	Long-tailed duck	<i>Clangula hyemalis</i>	Wintering waterbirds	Unknown
Bird	Osprey	<i>Pandion haliaetus</i>	Osprey	Stable
Bird	Piping plover	<i>Charadrius melodus</i>	Beach and Island ground-nesting birds	Increasing
Bird	Purple sandpiper	<i>Calidris maritima</i>	Transient shorebirds	Unknown
Bird	Razorbill	<i>Alca torda</i>	Wintering waterbirds	Unknown
Bird	Red knot	<i>Calidris canutus</i>	Transient shorebirds	Decreasing
Bird	Red-necked phalarope	<i>Phalaropus lobatus</i>	Wintering waterbirds	Unknown
Bird	Red-throated loon	<i>Gavia stellata</i>	Wintering waterbirds	Unknown
Bird	Roseate tern	<i>Sterna dougallii</i>	Beach and Island ground-nesting birds	Decreasing
Bird	Ruddy turnstone	<i>Arenaria interpres</i>	Transient shorebirds	Unknown
Bird	Sanderling	<i>Calidris alba</i>	Transient shorebirds	Unknown
Bird	Semipalmated sandpiper	<i>Calidris pusilla</i>	Transient shorebirds	Unknown
Bird	Short-billed dowitcher	<i>Limnodromus griseus</i>	Transient shorebirds	Unknown
Bird	Surf scoter	<i>Melanitta perspicillata</i>	Wintering waterbirds	Unknown
Bird	White-winged scoter	<i>Melanitta fusca</i>	Wintering waterbirds	Unknown
Crustacea/Meristomata	American lobster	<i>Homarus americanus</i>	American lobster	Unknown
Crustacea/Meristomata	Blue crab	<i>Callinectes sapidus</i>	Blue crab	Unknown
Crustacea/Meristomata	Horseshoe crab	<i>Limulus polyphemus</i>	Horseshoe crab	Unknown
Crustacea/Meristomata	Marine zooplankton	<i>Various species of invertebrates</i>	Zooplankton	Unknown
Herpetofauna	Green turtle	<i>Chelonia mydas</i>	Sea turtles	Decreasing
Herpetofauna	Kemp's or Atlantic ridley	<i>Lepidochelys kempii</i>	Sea turtles	Decreasing
Herpetofauna	Leatherback	<i>Dermochelys coriacea</i>	Sea turtles	Decreasing
Herpetofauna	Loggerhead	<i>Caretta caretta</i>	Sea turtles	Decreasing
Mammal	Blue whale	<i>Balaenoptera musculus</i>	Marine mammals	Unknown
Mammal	Fin whale	<i>Balaenoptera physalus</i>	Marine mammals	Unknown
Mammal	Harbor porpoise	<i>Phocoena phocoena</i>	Marine mammals	Unknown
Mammal	Humpback whale	<i>Megaptera novaeangliae</i>	Marine mammals	Unknown
Mammal	Northern right whale	<i>Eubalaena glacialis</i>	Marine mammals	Unknown
Mammal	Sei whale	<i>Balaenoptera borealis</i>	Marine mammals	Unknown
Mammal	Sperm whale	<i>Physeter catodon</i>	Marine mammals	Unknown

Atlantic Ocean Table 3. (cont'd)

TaxaGroup	Species	Scientific Name	Species Group	Stability
Marine fish	Alewife	<i>Alosa pseudoharengus</i>	Alewife - marine district population	Unknown
Marine fish	American eel	<i>Anguilla rostrata</i>	American eel	Unknown
Marine fish	American shad	<i>Alosa sapidissima</i>	American shad	Unknown
Marine fish	Atlantic silverside	<i>Menidia menidia</i>	Estuarine forage species	Unknown
Marine fish	Atlantic sturgeon	<i>Acipenser oxyrinchus</i>	Atlantic sturgeon	Unknown
Marine fish	Atlantic tomcod	<i>Microgadus tomcod</i>	Tomcod	Unknown
Marine fish	Atlantic torpedo	<i>Torpedo nobiliana</i>	Skates and Rays	Unknown
Marine fish	Barndoor skate	<i>Dipturus laevis</i>	Skates and Rays	Unknown
Marine fish	Basking shark	<i>Cetorhinus maximus</i>	Pelagic sharks	Unknown
Marine fish	Bay anchovy	<i>Anchoa mitchilli</i>	Estuarine migratory pelagic	Unknown
Marine fish	Bigeye thresher shark	<i>Alopias superciliosus</i>	Pelagic sharks	Decreasing
Marine fish	Blue shark	<i>Prionace glauca</i>	Pelagic sharks	Decreasing
Marine fish	Blueback herring	<i>Alosa aestivalis</i>	Blueback herring	Decreasing
Marine fish	Bonnethead shark	<i>Sphyrna tiburo</i>	Pelagic sharks	Decreasing
Marine fish	Clearnose skate	<i>Raja eglanteria</i>	Skates and Rays	Unknown
Marine fish	Cownose ray	<i>Rhinoptera bonasus</i>	Skates and Rays	Unknown
Marine fish	Cunner	<i>Tautoglabrus adspersus</i>	Labrids	Unknown
Marine fish	Dusky shark	<i>Carcharhinus obscurus</i>	Demersal sharks	Decreasing
Marine fish	Fourspine stickleback	<i>Apeltes quadricus</i>	Estuarine associates of SAV	Unknown
Marine fish	Lined seahorse	<i>Hippocampus erectus</i>	Estuarine associates of SAV	Unknown
Marine fish	Little skate	<i>Leucoraja erinacea</i>	Skates and Rays	Decreasing
Marine fish	Longfin mako shark	<i>Isurus paucus</i>	Pelagic sharks	Decreasing
Marine fish	Manta	<i>Manta birostris</i>	Skates and Rays	Unknown
Marine fish	Menhaden	<i>Brevoortia tyrannus</i>	Estuarine migratory pelagic	Unknown
Marine fish	Mummichog	<i>Fundulus heteroclitus</i>	Estuarine forage species	Unknown
Marine fish	N. American ninespine stickleback	<i>Pungitius pungitius occidentalis</i>	Estuarine associates of SAV	Unknown
Marine fish	Northern puffer	<i>Sphoeroides maculatus</i>	Northern puffer	Unknown
Marine fish	Oyster toadfish	<i>Opsanus tau</i>	Oyster toadfish	Unknown
Marine fish	Porbeagle shark	<i>Lamna nasus</i>	Pelagic sharks	Decreasing
Marine fish	Rainbow smelt	<i>Osmerus mordax</i>	Rainbow smelt	Decreasing
Marine fish	Rosette skate	<i>Leucoraja garmani virginica</i>	Skates and Rays	Unknown
Marine fish	Roughtail stingray	<i>Dasyatis centroura</i>	Skates and Rays	Unknown
Marine fish	Sand tiger shark	<i>Carcharias taurus</i>	Demersal sharks	Unknown
Marine fish	Sandbar shark	<i>Carcharhinus plumbeus</i>	Demersal sharks	Decreasing
Marine fish	Scalloped hammerhead shark	<i>Sphyrna lewini</i>	Pelagic sharks	Decreasing
Marine fish	Shortfin mako shark	<i>Isurus oxyrinchus</i>	Pelagic sharks	Decreasing
Marine fish	Smooth hammerhead shark	<i>Sphyrna zygaena</i>	Pelagic sharks	Unknown
Marine fish	Smooth skate	<i>Malacoraja senta</i>	Skates and Rays	Unknown
Marine fish	Spotfin killifish	<i>Fundulus luciae</i>	Estuarine forage species	Unknown
Marine fish	Striped killifish	<i>Fundulus majalis</i>	Estuarine forage species	Unknown
Marine fish	Tautog	<i>Tautoga onitis</i>	Labrids	Unknown
Marine fish	Thorny skate	<i>Amblyraja radiata</i>	Skates and Rays	Unknown
Marine fish	Thresher shark	<i>Alopias vulpinus</i>	Pelagic sharks	Decreasing
Marine fish	Tiger shark	<i>Galeocerdo cuvier</i>	Demersal sharks	Unknown
Marine fish	White shark	<i>Carcharodon carcharias</i>	Pelagic sharks	Unknown
Marine fish	Winter flounder	<i>Pseudopleuronectes americanus</i>	Winter flounder	Decreasing
Marine fish	Winter skate	<i>Leucoraja ocellata</i>	Skates and Rays	Unknown

Atlantic Ocean Table 4. Habitats listed as critical to SGCN found in the Atlantic Ocean Basin, described by habitat system and subsystem as adapted from Edinger *et al* (2000). The number of SGCN that use each system-subsystem association is also indicated.

System	Subsystem	# of Species
Marine	deep subtidal	66
Marine	shallow subtidal	17
Terrestrial	coastal	12
Marine	intertidal	12
Terrestrial	maritime	6
Terrestrial	open upland	5
Marine	unknown	4
Marine	cultural	4

Atlantic Ocean Table 5. Atlantic Ocean Basin species diversity relative to the total number of SGCN statewide .

Taxa Group	# Species Groups in the Basin	# Species in the Basin	Total # SGCN Statewide	% of Total SGCN for this Group
BIRDS	5	28	118	23.7
Beach and Island Ground-Nesting Birds		6	7	85.7
Common Loon		1	1	100.0
Osprey		1	1	100.0
Transient waterfowl		7	14	50.0
Wintering Waterbirds		13	19	68.4
CRUSTACEA	4	4	7	57.1
American lobster		1	1	100.0
Blue crab		1	1	100.0
Horseshoe crab		1	1	100.0
Zooplankton		1	1	100.0
HERPETOFAUNA	1	4	44	9.1
Sea Turtles		4	5	80.0
MAMMAL	1	7	21	33.3
Marine Mammals		7	7	100.0
MARINE FISH	17	47	51	92.2
Alewife - marine district population		1	1	100.0
American eel		1	1	100.0
American shad		1	1	100.0
Atlantic sturgeon		1	1	100.0
Blueback herring		1	1	100.0
Demersal sharks		4	4	100.0
Estuarine associates of SAV		3	5	60.0
Estuarine forage species		4	5	80.0
Estuarine migratory pelagic		2	2	100.0
Labrids		2	2	100.0
Northern puffer		1	1	100.0
Oyster toadfish		1	1	100.0
Pelagic sharks		11	11	100.0
Rainbow smelt		1	1	100.0
Skates and Rays		11	11	100.0
Tomcod		1	1	100.0
Winter flounder		1	1	100.0
MOLLUSK	1	1	59	1.7
Blue mussel		1	1	100.0
TOTAL	29	91	537	16.9
% of all spp groups statewide	22.7			

Atlantic Ocean Table 6. Important Bird Areas in the Atlantic Ocean Basin and their total acreage. The IBA boundaries may extend beyond the boundary of the basin.

IBA Site Name	Total Acres
Captree Island Vicinity	14510.78
Fire Island (east of lighthouse)	5418.00
Great South Bay	57554.88
Jamaica Bay Complex	21152.33
Moriches Bay	13296.24
Montauk Point	7864.06
Napeague Harbor and Beach	4366.57
Shinnecock Bay	12672.55
West Hempstead Bay/Jones Beach	33249.42

Atlantic Ocean Table 7. Summary of threats, number of (and percent of all) species groups affected, and percentage of all threats for SGCN in the Atlantic Ocean - NY Bight Basin. For details on threats, see Appendix: Threats Characterization for Wildlife and Their Habitats.

Threat Description	# of Species Groups Affected	% of All Spp Groups in Basin	% of All Threats in Basin
Human Disturbance - illegal/unregulated harvest	20	69.0	16.9
Habitat Loss - cultural (e.g., development)	17	58.6	14.4
Contaminants	12	41.4	10.2
Degradation of Water Quality	12	41.4	10.2
Disrupted Predator-Prey Cycles	8	27.6	6.8
Climate Change (change in water level, temperature)	8	27.6	6.8
Human Disturbance - entanglement, entrainment, impingement	7	24.1	5.9
Human Disturbance - collisions	5	17.2	4.2
Susceptibility to Stochastic Events (weather, storms)	5	17.2	4.2
Human Disturbance - general	4	13.8	3.4
Disease	4	13.8	3.4
Barriers to Movement in Aquatic Habitats (e.g., dams, weirs, culverts)	4	13.8	3.4
Interspecific Competition for Resources	4	13.8	3.4
Susceptibility to Stochastic Events (isolated pop'ns)	2	6.9	1.7
Aquatic Habitat Altered by Natural Processes (e.g., beaver)	2	6.9	1.7
Competition from Invasive Exotics	1	3.4	0.8
Active Alteration/Suppression of Natural Processes (e.g., fire)	1	3.4	0.8
Climate Change (change in species range, distb'n, migration)	1	3.4	0.8
Sedimentation/Erosion (impacts on aquatic habitats)	1	3.4	0.8

Atlantic Ocean Table 8. SGCN in the Atlantic Ocean Basin for which the Atlantic States Marine Fisheries Commission has management jurisdiction. Year of completion of the Fishery Management Plan (FMP) and most recent update is indicated.

Species	FMP Completion Date	Most Recent Update
American Eel	1999	N/A
American Lobster	1997	2005
Atlantic Herring	1993	2001
Atlantic Menhaden	1981	2004
Atlantic Sturgeon	1990	2001
Horseshoe Crab	1998	2004
Shad and River Herring	1985	2002
Spiny Dogfish and Coastal Sharks	1987	N/A
Tautog	1996	2002
Winter Flounder	1992	1998

Source: www.asmfc.org, list of Fishery Management Reports. Downloaded 5/9/05.