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Amsterdam Beach

Atlantic Avenue Town Park

Atlantique Park

Bluff Road Dunesland Park

Breezy Point Camp Hero

Cedar Beach Park Davis Town Park

East Atlantic Beach

Fire Island

Gilgo Beach State Park Gilgo Beach Town Park Great Gun Town Beach

Hither Hills

John F Kennedy Memorial Wildlife Sanctuary

Jones Beach

Lido Beach Town Park Long Beach Park Main Town Beach Malibu Town Park Montauk Point

Montauk Point Napeague

Nassau Beach County Park Point Lookout Town Park Ponquogue Town Beach Rheinstein Estate Park Robert Moses Park

Rockaway Park

Sagg Main Town Beach

Shadmoor

Silver Point County Park Smith Point County Park Tiana Town Beach Tobay Beach Park

W Scott Cameron Town Beach

State Park

Hempstead Town Park Islip Town Park

East Hampton Town Park

National Recreation Area

State Park

Babylon Town Park

Brookhaven Town Park

Hempstead Town Park

National Seashore

State Park

Babylon Town Park

Brookhaven Town Park

State Park

Oyster Bay Town Park

State Park

Hempstead Town Park

City of Long Beach Park

East Hampton Town Park

Hempstead Town Park

State Park

State Park

State Park

Nassau County Park

Hempstead Town Park

Southampton Town Park

East Hampton Town Park

State Park

City of New York Park

Southampton Town Park

State Park

Nassau County Park

Suffolk County Park

Southampton Town Park

Oyster Bay Town Park

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

Atlantic Ocean Table 3. (cont'd)

TaxaGroup	Species	Scientific Name	Species Group	Stability
Marine fish	Alewife	Alosa pseudoharengus	Alewife - marine district population	Unknown
Marine fish	American eel	Anguilla rostrata	American eel	Unknown
Marine fish	American shad	Alosa sapidissima	American shad	Unknown
Marine fish	Atlantic silverside	Menidia menidia	Estuarine forage species	Unknown
Marine fish	Atlantic sturgeon	Acipenser oxyrinchus	Atlantic sturgeon	Unknown
Marine fish	Atlantic tomcod	Microgadus tomcod	Tomcod	Unknown
Marine fish	Atlantic torpedo	Torpedo nobiliana	Skates and Rays	Unknown
Marine fish	Barndoor skate	Dipturus laevis	Skates and Rays	Unknown
Marine fish	Basking shark	Cetorhinus maximus	Pelagic sharks	Unknown
Marine fish	Bay anchovy	Anchoa mitchilli	Estuarine migratory pelagic	Unknown
Marine fish	Bigeye thresher shark	Alopias superciliosus	Pelagic sharks	Decreasing
Marine fish	Blue shark	Prionace glauca	Pelagic sharks	Decreasing
Marine fish	Blueback herring	Alosa aestivalis	Blueback herring	Decreasing
Marine fish	Bonnethead shark	Sphyrna tiburo	Pelagic sharks	Decreasing
Marine fish	Clearnose skate	Raja eglanteria	Skates and Rays	Unknown
Marine fish	Cownose ray	Rhinoptera bonasus	Skates and Rays	Unknown
Marine fish	Cunner	Tautogolabrus adspersus	Labrids	Unknown
Marine fish	Dusky shark	Carcharhinus obscurus	Demersal sharks	Decreasing
Marine fish	Fourspine stickleback	Apeltes quadricus	Estuarine associates of SAV	Unknown
Marine fish	Lined seahorse	Hippocampus erectus	Estuarine associates of SAV	Unknown
Marine fish	Little skate	Leucoraja erinacea	Skates and Rays	Decreasing
Marine fish	Longfin mako shark	Isurus paucus	Pelagic sharks	Decreasing
Marine fish	Manta	Manta birostris	Skates and Rays	Unknown
Marine fish	Menhaden	Brevoortia tyrannus	Estuarine migratory pelagic	Unknown
Marine fish	Mummichog	Fundulus heteroclitus	Estuarine forage species	Unknown
Marine fish	N. American ninespine stickleback	Pungitius pungitius occidentalis	Estuarine associates of SAV	Unknown
Marine fish	Northern puffer	Sphoeroides maculatus	Northern puffer	Unknown
Marine fish	Oyster toadfish	Opsanus tau	Oyster toadfish	Unknown
Marine fish	Porbeagle shark	Lamna nasus	Pelagic sharks	Decreasing
Marine fish	Rainbow smelt	Osmerus mordax	Rainbow smelt	Decreasing
Marine fish	Rosette skate	Leucoraja garmani virginica	Skates and Rays	Unknown
Marine fish	Roughtail stingray	Dasyatis centroura	Skates and Rays	Unknown
Marine fish	Sand tiger shark	Carcharias taurus	Demersal sharks	Unknown
Marine fish	Sandbar shark	Carcharhinus plumbeus	Demersal sharks	Decreasing
Marine fish	Scalloped hammerhead shark	Sphyrna lewini	Pelagic sharks	Decreasing
Marine fish	Shortfin mako shark	Isurus oxyrhinchus	Pelagic sharks	Decreasing
Marine fish	Smooth hammerhead shark	Sphyrna zygaena	Pelagic sharks	Unknown
Marine fish	Smooth skate	Malacoraja senta	Skates and Rays	Unknown
Marine fish	Spotfin killifish	Fundulus luciae	Estuarine forage species	Unknown
Marine fish	Striped killifish	Fundulus majalis	Estuarine forage species	Unknown
Marine fish	Tautog	Tautoga onitis	Labrids	Unknown
Marine fish	Thorny skate	Amblyraja radiata	Skates and Rays	Unknown
Marine fish	Thresher shark	Alopias vulpinus	Pelagic sharks	Decreasing
Marine fish	Tiger shark	Galeocerdo cuvier	Demersal sharks	Unknown
Marine fish	White shark	Carcharodon carcharias	Pelagic sharks	Unknown
Marine fish	Winter flounder	Pseudopleuronectes americanus	Winter flounder	Decreasing
		aspired of the contract		200.000118

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.

ep subtidal 66 Ilow subtidal 17 coastal 12 intertidal 12
coastal 12
intertidal 12
maritime 6
en upland 5
unknown 4
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 fo 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
тотл	AL 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 Fel	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.