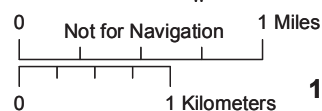


Map 10A
South Long Island



SEE BACK OF MAP
for details about mapped species and other
species that occur in the mapped area.
Data Published: February 2016



1:50,000

Map 10A
South Long Island

BIOLOGICAL RESOURCES

Note: An asterisk (*) indicates that life stage occurs in this range but not in all months included

DISPLAYED ON MAP

BENTHIC

	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>S</i>	<i>F</i>	<i>Concentration</i>	<i>Monthly Presence</i>											
							<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>
	Algae	Macroalgae	High Ecological Value			Present												

BIRDS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt	
							J	F	M	A	M	J	J	A	S	O	N	D					
6	Raptor	Northern harrier	Nesting	T/E		-													Apr-Aug	-	-	-	-
34	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-	-
125	Raptor	Short-eared owl	Nesting	E/E		-													Apr-Jul	-	-	-	-
127	Shorebird	Sanderling	Migration	-/C		100S													-	Apr-May	Aug-Sep	-	-
129	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-	-
154	Gull/Tern	Black skimmer	Nesting	C/E		50-100 Pairs													Apr-Aug	-	-	-	-
	Gull/Tern	Common tern	Nesting	T/C		100-500 Pairs													May-Sep	-	-	-	-
	Gull/Tern	Least tern	Nesting	T/E		200-300 Pairs													May-Sep	-	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	5-10 Pairs													Apr-Aug	-	-	-	-
166	Shorebird	American oystercatcher	Nesting	-/C		5-10 Pairs													Apr-Aug	-	-	-	-
169	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-	-
	Shorebird	Shorebirds	Migration			High													-	Mar-May	-	-	-
170	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-	-
	Raptor	Osprey	General Distribution	C/-		10S													Apr-Aug	-	-	-	-
	Shorebird	Shorebirds	Migration			High													-	Mar-May	-	-	-
	Waterfowl	Brant	Wintering			10000S													-	-	-	-	-
171	Raptor	Osprey	General Distribution	C/-		10S													Apr-Aug	-	-	-	-
	Waterfowl	Brant	Wintering			10000S													-	-	-	-	-
172	Gull/Tern	Common tern	Nesting	T/C		50-100 Pairs													May-Sep	-	-	-	-
	Gull/Tern	Herring gull	Nesting			1-10 Pairs													Apr-Sep	-	-	-	-
	Gull/Tern	Laughing gull	Nesting			1200 Pairs													May-Sep	-	-	-	-
	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-	-
	Wading	Great egret	Nesting			1-10 Pairs													Apr-Aug	-	-	-	-
	Wading	Tricolored heron	Nesting	-/C		1 Pair													Apr-Aug	-	-	-	-
173	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	5-10 Pairs													Apr-Aug	-	-	-	-
174	Gull/Tern	Common tern	Migration	T/C		-													-	-	Aug-Sep	-	-
	Gull/Tern	Laughing gull	Nesting			41 Pairs													May-Sep	-	-	-	-
	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-	-
	Shorebird	American oystercatcher	Migration	-/C		-													-	-	Aug-Sep	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-	-

BIRDS (continued)

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt	
							J	F	M	A	M	J	J	A	S	O	N	D					
175	Shorebird	Piping plover	Migration	E/E	T	-												-	-	Aug-Sep	-	-	
	Shorebird	Red knot	Migration	-/E	T	High												-	Apr-May	Jul-Sep	-	-	
	Shorebird	Sanderling	Migration	-/C		High												-	Apr-May	Aug-Sep	-	-	
	Shorebird	Semipalmated sandpiper	Migration	-/C		High												-	Apr-May	Aug-Sep	-	-	
	Gull/Tern	Black skimmer	Migration	C/E		10S												-	May	Aug-Oct	-	-	
	Shorebird	Piping plover	Migration	E/E	T	1S												-	-	Aug-Sep	-	-	
	Shorebird	Piping plover	Nesting	E/E	T	1-5 Pairs												Apr-Aug	-	-	-	-	
	Shorebird	Red knot	Migration	-/E	T	1S												-	Apr-May	Jul-Sep	-	-	
176	Shorebird	Sanderling	Migration	-/C		1000S												-	Apr-May	Aug-Sep	-	-	
	Shorebird	Semipalmated sandpiper	Migration	-/C		100S												-	Apr-May	Aug-Sep	-	-	
	Gull/Tern	Common tern	Nesting	T/C		10-50 Pairs												May-Sep	-	-	-	-	
	Gull/Tern	Laughing gull	Nesting			330 Pairs												May-Sep	-	-	-	-	
	Shorebird	American oystercatcher	Nesting	-/C		5-10 Pairs												Apr-Aug	-	-	-	-	
	Gull/Tern	Common tern	Migration	T/C		-												-	-	Aug-Sep	-	-	
	Shorebird	American oystercatcher	Migration	-/C		-												-	-	Aug-Sep	-	-	
	Shorebird	Piping plover	Migration	E/E	T	-												-	-	Aug-Sep	-	-	
178	Shorebird	Red knot	Migration	-/E	T	High												-	Apr-May	Jul-Sep	-	-	
	Shorebird	Sanderling	Migration	-/C		High												-	Apr-May	Aug-Sep	-	-	
	Shorebird	Semipalmated sandpiper	Migration	-/C		High												-	Apr-May	Aug-Sep	-	-	
	Gull/Tern	G. black-backed gull	Nesting			10-50 Pairs												Apr-Jul	-	-	-	-	
	Gull/Tern	Herring gull	Nesting			100-500 Pairs												Apr-Sep	-	-	-	-	
	Shorebird	American oystercatcher	Nesting	-/C		10-25 Pairs												Apr-Aug	-	-	-	-	
	Wading	BC night-heron	Nesting	-/T		50-100 Pairs												Apr-Aug	-	-	-	-	
	Wading	Glossy ibis	Nesting	-/C		100-150 Pairs												Apr-Aug	-	-	-	-	
	Wading	Great egret	Nesting			50-100 Pairs												Apr-Aug	-	-	-	-	
	Wading	Green heron	Nesting			1 Pair												Apr-Sep	-	-	-	-	
	Wading	Little blue heron	Nesting	-/C		1-5 Pairs												Apr-Aug	-	-	-	-	
	Wading	Snowy egret	Nesting	-/C		50-100 Pairs												Apr-Aug	-	-	-	-	
	Wading	YC night-heron	Nesting	-/T		7 Pairs												Apr-Aug	-	-	-	-	
	Waterfowl	Mallard	Nesting			1 Pair												Mar-Sep	-	-	-	-	
	179	Gull/Tern	Common tern	Nesting	T/C		1-10 Pairs												May-Sep	-	-	-	-
		Gull/Tern	Least tern	Nesting	T/E		300-400 Pairs												May-Sep	-	-	-	-
180	Shorebird	American oystercatcher	Nesting	-/C		10-25 Pairs												Apr-Aug	-	-	-	-	
	Shorebird	Piping plover	Nesting	E/E	T	10-25 Pairs												Apr-Aug	-	-	-	-	
	Wading	YC night-heron	Nesting	-/T		40 Pairs												Apr-Aug	-	-	-	-	

FISH

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
413	Freshwater	Bluegill	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Brown bullhead	Harvest Area			-													May-Jun	May-Jun	May-Aug	Jan-Dec	Jan-Dec
	Freshwater	Common carp	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Largemouth bass	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Pumpkinseed	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec

	Freshwater	Yellow perch	Harvest Area			-									Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
414	Diadromous	Atlantic sturgeon	Concentration Area	-/E	E	High									-	-	-	May-Nov*	-

HABITATS & RARE PLANTS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												
							J	F	M	A	M	J	J	A	S	O	N	D	
520	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-
526	Wetland	Seabeach amaranth	Vulnerable Occurrence	T/E	T	-													-
527	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-
	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-
529	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-
	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-

REPTILES & AMPHIBIANS



Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
577	Snake	Eastern milk snake	Nesting			-													Jun-Jul	Aug-Sep	-	-	Jun-Jul
	Snake	Northern black racer	Nesting			-													Jun-Jul	Aug-Sep	-	-	-
	Turtle	Eastern box turtle	General Distribution	C/C		Present And Active													-	-	-	Apr-Nov	Apr-Nov
	Turtle	Eastern box turtle	Nesting	C/C		-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
578	Turtle	N. diamondback terrapin	Nesting			50-100													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
579	Turtle	N. diamondback terrapin	Nesting			1000S													Jun-Jul	Apr-Nov*	-	-	Jun-Jul

INVERTEBRATES


Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
624	Crab	Horseshoe crab	Spawning Area			-													May-Jun	May-Jul	-	-	May-Jun
650	Bivalve	Atlantic razor	Harvest Area			3 Bushels/Yr Avg													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
	Bivalve	Bay scallop	Harvest Area			1 Bushel/Yr Avg													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			2034 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Harvest Area			117 Bushels/Yr Avg													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
651	Insect	Checkered white	Vulnerable Occurrence	C/-		-													-	-	-	-	Jul-Oct
652	Bivalve	Atlantic razor	Harvest Area			3 Bushels/Yr Avg													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
	Bivalve	Bay scallop	Harvest Area			1 Bushel/Yr Avg													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			2034 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
653	Bivalve	Softshell clam	Harvest Area			117 Bushels/Yr Avg													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
654	Bivalve	Atlantic surfclam	Harvest Area			224702 Bushels/Yr													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)


BIRDS

Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
						J	F	M	A	M	J	J	A	S	O	N	D				
 Gull/Tern	Common tern	General Distribution	T/C		Present													-	-	-	-
 Waterfowl	American black duck	Wintering			1000S													-	-	-	-
	Brant	Wintering			1000S													-	-	-	-
	Bufflehead	Wintering			1000S													-	-	-	-
	Canada goose	Wintering			1000S													-	-	-	-
	Long-tailed duck	Wintering			100S													-	-	-	-
	Ruddy duck	Wintering			1000S													-	-	-	-
	Scaup	Wintering			1000S													-	-	-	-
	Snow goose	Wintering			1000S													-	-	-	-
	Waterfowl	Wintering			1000S													-	-	-	-


FISH

Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
						J	F	M	A	M	J	J	A	S	O	N	D					
 Diadromous	Atlantic sturgeon	General Distribution	-/E	E	Low													-	-	-	Jan-Dec	Oct-Jun
	Atlantic sturgeon	Migration	-/E	E	High													-	-	-	May-Jul	May-Jul


REPTILES & AMPHIBIANS

Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
						J	F	M	A	M	J	J	A	S	O	N	D					
 Turtle	Green sea turtle	General Distribution	T/T	T	-													-	-	-	May-Nov	May-Nov
	K. ridley sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	-
	Leatherback sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	May-Nov
	Loggerhead sea turtle	General Distribution	T/E	T	-													-	-	-	May-Nov	May-Nov

INVERTEBRATES








Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
						J	F	M	A	M	J	J	A	S	O	N	D					
 Crab	Horseshoe crab	Concentration Area			High													-	-	-	Jan-Dec	Jan-Dec

MARINE MAMMALS



Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Mating	Calving	Pupping	Molt
						J	F	M	A	M	J	J	A	S	O	N	D				
 Whale	Fin whale	General Distribution	E/E	E	Common													-	-	-	-
	Humpback whale	General Distribution	E/E	E	Common													-	-	-	-
	N.A. right whale	General Distribution	E/E	E	Uncommon, Regular													-	-	-	-

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)



BIRDS

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Nest</i>	<i>Mig.(S)</i>	<i>Mig.(F)</i>	<i>Molt</i>
			<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>				
	Alcid	Razorbill													-	-	-	-
	Gull/Tern	Bonaparte's gull													-	-	-	-
		G. black-backed gull													-	-	-	-
		Herring gull													-	-	-	-
	Passerine	Marsh wren													Apr-Aug	-	-	-
		Nelson's sparrow													May-Aug	-	-	-
	Pelagic	Northern gannet													-	-	-	-
		Wilson's storm-petrel													-	-	-	-
	Shorebird	Willet													May-Aug	-	-	-
	Wading	Clapper rail													Apr-Sep	-	-	-
	Waterfowl	American black duck													Apr-Aug	-	-	-
		Black scoter													-	-	-	-
		Canada goose													Mar-Jun	-	-	-
		Common eider													-	-	-	-
		Long-tailed duck													-	-	-	-
		Mallard													Mar-Sep	-	-	-
		Surf scoter													-	-	-	-
		White-winged scoter													-	-	-	-


FISH

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Spawn</i>	<i>Eggs</i>	<i>Larvae</i>	<i>Juveniles</i>	<i>Adults</i>
			<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>					
	Diadromous	Alewife													-	-	-	Nov-Apr	Nov-Apr
		Alewife													-	-	-	Apr-Nov	Mar-Jun
		American eel													-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American eel													-	-	Jan-Feb	-	Sep-Dec
		American shad													-	-	-	Apr-Nov	Apr-Jul
		American shad													-	-	-	Nov-Apr	Nov-Apr
		Blueback herring													-	-	-	May-Nov	Mar-Jul
		Blueback herring													-	-	-	Nov-Apr	Nov-Apr
		Striped bass													-	-	-	Apr-Nov	Mar-Nov
		Striped bass													-	-	-	Mar-Nov	Mar-Nov
	Estuarine Nursery	Atlantic croaker													-	-	-	-	Jun-Dec
		Atlantic herring													-	-	-	Nov-May	Nov-May
		Atlantic herring													-	-	-	Nov-Apr	Nov-Apr
		Atlantic menhaden													-	-	-	Apr-Nov	Mar-Nov
		Atlantic menhaden													Sep-Dec	Sep-Dec	Oct-Dec	Oct-Apr	Oct-Apr
		Bay anchovy													May-Jul	May-Jul	May-Dec	Jan-Dec	Jan-Dec
		Bay anchovy													May-Nov	May-Nov	May-Dec	Jan-Dec	Jan-Dec
		Black drum													-	-	-	Jul-Nov	Jul-Nov
		Black sea bass													May-Oct	May-Oct	May-Nov	Mar-Nov	Mar-Nov
		Black sea bass													-	-	-	Apr-Nov	Apr-Nov

FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Bluefish													-	-	-	May-Oct	Apr-Dec
	Bluefish													-	-	-	May-Nov	May-Nov
	Northern kingfish													-	-	-	Apr-Nov	Apr-Nov
	Northern kingfish													-	-	-	May-Nov	May-Nov
	Northern kingfish													-	-	-	Jun-Nov	Jun-Nov
	Northern puffer													May-Aug	Jun-Oct	Jun-Oct	May-Oct	May-Oct
	Scup													-	-	-	Jun-Oct	Jun-Oct
	Scup													-	-	-	Apr-Dec	Apr-Dec
	Scup													-	-	-	May-Nov	May-Nov
	Spot													-	-	-	May-Dec	May-Nov
	Spot													-	-	-	Apr-Nov	Apr-Nov
	Spot													-	-	-	Sep-Nov	Jun-Nov
	Summer flounder													-	-	-	Apr-Oct	Apr-Oct
	Summer flounder													Sep-Nov	Sep-Nov	Sep-Dec	Apr-Nov	Apr-Nov
	Weakfish													May-Sep	May-Sep	May-Sep	May-Dec	May-Dec
	Weakfish													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	Weakfish													May-Aug	May-Aug	Jun-Aug	May-Nov	Apr-Nov
	White perch													-	-	-	Jan-Dec	Jan-Dec
	White perch													Apr-Jun	Apr-Jul	Jun-Nov	Jan-Dec	Jan-Dec
	Windowpane													Mar-Nov*	Mar-Nov*	Apr-Nov*	Jan-Dec	Jan-Dec
	Windowpane													Apr-Jun	Apr-Jul	Jun-Nov	Jan-Dec	Jan-Dec
	Windowpane													Apr-Oct*	Apr-Oct*	Apr-Nov	Jan-Dec	Jan-Dec
	Winter flounder													Feb-Apr	Feb-Apr	Mar-Jun	Jan-Dec	Jan-Dec
	Winter flounder													-	-	-	Jan-Dec	Jan-Dec
	Winter flounder													Nov-Apr	Nov-Apr	Nov-Jun	Jan-Dec	Jan-Dec
 Estuarine Resident	Atlantic silverside													-	-	-	Jan-Apr	Jan-Apr
	Atlantic silverside													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Atlantic silverside													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Killifish													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Northern pipefish													May-Aug	-	May-Oct	Jan-Dec	Jan-Dec
 Marine Benthic	American sand lance													Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
	American sand lance													-	-	-	-	Oct-Jun
	American sand lance													Nov-Apr	Nov-Apr	Nov-May	Nov-Apr	Nov-Apr
	Atlantic cod													-	-	-	Nov-Apr	-
	Atlantic cod													-	-	-	Nov-Apr	Nov-Apr
	Atlantic tomcod													-	-	Dec-Apr	Apr-Dec	Jan-Dec
	Clearnose skate													-	-	-	Apr-Nov	Apr-Nov
	Goosefish													-	-	-	-	Jan-Jun
	Little skate													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
	Ocean pout													-	-	-	Dec-Aug	Dec-Aug
	Pollock													-	-	-	Mar-Jun	-
	Red hake													Jun-Sep	Jun-Sep	Jul-Oct	Jan-Dec	Jan-Dec
	Red hake													-	-	-	May-Oct	May-Oct
	Silver hake													May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec





FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Smooth dogfish													May-Jun	May-Oct	-	Apr-Oct	Apr-Oct
	Tautog													May-Aug	May-Aug	Jun-Aug	Mar-Nov	Mar-Nov
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Mar-Dec
	Winter skate													-	-	-	Sep-May	Sep-Nov
 Marine Pelagic	Atlantic mackerel													-	-	-	Nov-Apr	-
	Atlantic mackerel													-	-	-	Nov-Apr*	Nov-Apr*
	Bluefin tuna													-	-	-	Jun-Sep	-
	Butterfish													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
	Dusky shark													-	-	-	May-Sep	May-Sep
	Sandbar shark													-	-	-	Jun-Oct	Jun-Oct
	Spiny dogfish													-	-	-	Oct-Apr	Oct-Apr
	Thresher shark													-	-	-	May-Nov	May-Nov
	Tiger shark													-	-	-	Jul-Oct	-

REPTILES & AMPHIBIANS

Subelement	Species	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Turtle	N. diamondback terrapin													-	-	-	Apr-Nov	Apr-Nov

INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Bivalve	Atlantic surfclam													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec
	Blue mussel													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Northern quahog													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Softshell clam													May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec
 Cephalopod	Longfin squid													-	-	-	-	Jan-Dec
 Crab	Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
	Blue crab													-	-	Jun-Oct	-	Aug-Mar
	Horseshoe crab													-	-	-	Jan-Dec	Jan-Dec
 Lobster	American lobster													-	-	-	Jan-Dec	Jan-Dec







MARINE MAMMALS

Subelement	Species	Monthly Presence												Mating	Calving	Pupping	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
 Dolphin	Bottlenose dolphin													-	-	-	-
	Harbor porpoise													-	-	-	-














For additional information about species locations and extent, reference the underlying GIS data available from response.restoration.noaa.gov

SHORELINE RESOURCES

ESI POLYGON HABITAT TYPES

	<i>ESI Rank</i>	<i>Habitat Classification</i>	<i>Area (Acres)</i>	<i>Area (Sq. Miles)</i>
	10A	Salt and Brackish Water Marshes	1,103.17	1.72
	10B	Freshwater Marshes	30.95	0.05
	10C	Swamps	5.36	0.01
	10D	Scrub and Shrub Wetlands	61.39	0.10
	9A	Sheltered Tidal Flats	46.72	0.07
	7	Exposed Tidal Flats	517.06	0.81

ESI SHORELINE HABITAT TYPES

	<i>ESI Rank</i>	<i>Shoreline Habitat Classification</i>	<i>Length (Meters)</i>	<i>Length (Miles)</i>	<i>% of ESI Shoreline</i>
	10A	Salt and Brackish Water Marshes	74,857.20	46.51	26%
	10D	Scrub and Shrub Wetlands	1,551.13	0.96	1%
	9A	Sheltered Tidal Flats	11,712.41	7.28	4%
	9B	Vegetated Low Banks	94,276.03	58.58	33%
	8B	Sheltered, Solid Man-Made Structures	15,485.00	9.62	5%
	8C	Sheltered Riprap	7,855.47	4.88	3%
	7	Exposed Tidal Flats	40,876.64	25.40	14%
	6B	Riprap	5,250.54	3.26	2%
	5	Mixed Sand and Gravel Beaches	893.10	0.55	< 1%
	4	Coarse Grained Sand Beaches	5,647.54	3.51	2%
	3A	Fine to Medium Grained Sand Beaches	25,625.77	15.92	9%
	1A	Exposed, Rocky Shores	218.97	0.14	< 1%
	1B	Exposed, Solid Man-Made Structures	4,382.12	2.72	2%

Total ESI Shoreline:	288,631.93	Total ESI Shoreline:	179.35
Total Shoreline:	154,604.66	Total Shoreline:	96.07

Note: A shoreline segment may include multiple shoreline habitats. If any segments include multiple habitats, the combined length of all habitats may exceed the length of the mapped shoreline, and the percent of ESI shoreline values will sum to greater than 100%

All underlying GIS data can be obtained from response.restoration.noaa.gov

