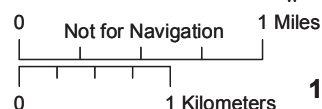


**Map 5A**  
South Long Island



**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 5A**  
**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>
	SAV	Submersed aquatic veg	High Ecological Value			Present											-	-
	Algae	Macroalgae	High Ecological Value			Present											-	-

**BIRDS**

<i>Map ID</i>	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>S</i>	<i>F</i>	<i>Concentration</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>				
4	Gull/Tern	Least tern	Nesting	T/E		10-50 Pairs													May-Sep	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	10-25 Pairs													Apr-Aug	-	-	-
8	Shorebird	Piping plover	Nesting	E/E	T	10-25 Pairs													Apr-Aug	-	-	-
30	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
37	Passerine	Seaside sparrow	Nesting	C/-		-													May-Aug	-	-	-
39	Gull/Tern	Common tern	Nesting	T/C		1-10 Pairs													May-Sep	-	-	-
46	Gull/Tern	Roseate tern	Migration	E/E	E	Low													-	May	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	Low													-	Apr-May	Jul-Sep	-
	Shorebird	Sanderling	Migration	-/C		High													-	Apr-May	Aug-Sep	-
	Shorebird	Semipalmated sandpiper	Migration	-/C		High													-	Apr-May	Aug-Sep	-
48	Raptor	Northern harrier	Migration	T/E		High													-	Mar-Apr	Sep-Nov	-
	Raptor	Osprey	Migration	C/-		-													-	Apr-May	Sep-Nov	-
	Raptor	Peregrine falcon	Migration	E/-		High													-	Mar-Apr	Sep-Nov	-
49	Raptor	Northern harrier	Migration	T/E		High													-	Mar-Apr	Sep-Nov	-
	Raptor	Osprey	Migration	C/-		Moderate													-	Apr-May	Sep-Nov	-
	Raptor	Peregrine falcon	Migration	E/-		High													-	Mar-Apr	Sep-Nov	-
50	Gull/Tern	Common tern	Nesting	T/C		50-100 Pairs													May-Sep	-	-	-
	Gull/Tern	G. black-backed gull	Nesting			100-500 Pairs													Apr-Jul	-	-	-
	Gull/Tern	Herring gull	Nesting			500-1000 Pairs													Apr-Sep	-	-	-
	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		5-10 Pairs													Apr-Aug	-	-	-
	Wading	Glossy ibis	Nesting	-/C		10-50 Pairs													Apr-Aug	-	-	-
	Wading	Great egret	Nesting			50-100 Pairs													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	-/C		10-50 Pairs													Apr-Aug	-	-	-
51	Gull/Tern	Black skimmer	Nesting	C/E		1-10 Pairs													Apr-Aug	-	-	-
	Gull/Tern	Common tern	Nesting	T/C		50-100 Pairs													May-Sep	-	-	-
	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
52	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	1-5 Pairs													Apr-Aug	-	-	-
53	Gull/Tern	Least tern	Nesting	T/E		50-100 Pairs													May-Sep	-	-	-

**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				
54	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
	Gull/Tern	Common tern	Migration	T/C		10S													-	-	Aug-Sep	-
	Gull/Tern	Least tern	Migration	T/E		1S													-	-	Aug-Sep	-
	Gull/Tern	Roseate tern	Migration	E/E	E	10S													-	May	Aug-Sep	-
55	Shorebird	American oystercatcher	Migration	-/C		10S													-	-	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	100S													-	Apr-May	Jul-Sep	-
	Shorebird	Sanderling	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
56	Gull/Tern	Roseate tern	Migration	E/E	E	1S													-	May	Aug-Sep	-
	Shorebird	Piping plover	Migration	E/E	T	1S													-	-	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	10S													-	Apr-May	Jul-Sep	-
	Shorebird	Sanderling	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
57	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	10S													-	Apr-May	Jul-Sep	-
	Shorebird	Sanderling	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
58	Gull/Tern	Roseate tern	Migration	E/E	E	Low													-	May	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	Low													-	Apr-May	Jul-Sep	-
	Shorebird	Sanderling	Migration	-/C		High													-	Apr-May	Aug-Sep	-
	Shorebird	Semipalmated sandpiper	Migration	-/C		High													-	Apr-May	Aug-Sep	-
59	Gull/Tern	Common tern	Nesting	T/C		500-1000 Pairs													May-Sep	-	-	-
	Shorebird	Dunlin	Migration			100S													-	Apr-May	Aug-Sep	-
	Shorebird	Piping plover	Migration	E/E	T	1S													-	-	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	1S-50S													-	Apr-May	Jul-Sep	-
60	Shorebird	Semipalmated plover	Migration			100S													-	-	Aug-Sep	-
	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	-	Aug-Sep	-
	Shorebird	Short-billed dowitcher	Migration			100S													-	-	Aug-Sep	-
	Shorebird	Piping plover	Migration	E/E	T	1S													-	-	Aug-Sep	-
61	Gull/Tern	Least tern	Nesting	T/E		100-200 Pairs													May-Sep	-	-	-
	Shorebird	Dunlin	Migration			100S													-	Apr-May	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	1S-50S													-	Apr-May	Jul-Sep	-
	Shorebird	Semipalmated plover	Migration			100S													-	-	Aug-Sep	-
62	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	-	Aug-Sep	-
	Shorebird	Short-billed dowitcher	Migration			100S													-	-	Aug-Sep	-
	Shorebird	Dunlin	Migration			100S													-	Apr-May	Aug-Sep	-
	Shorebird	Piping plover	Migration	E/E	T	1S													-	Apr-May	-	-
63	Shorebird	Red knot	Migration	-/E	T	10S													-	Apr-May	-	-
	Shorebird	Ruddy turnstone	Migration			100S													-	Apr-May	-	-
	Shorebird	Sanderling	Migration	-/C		100S													-	Apr-May	-	-
	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	Apr-May	-	-

## 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		-												-
522	Upland	Rare upland community	Vulnerable Occurrence			-												-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-												-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-												-
526	Wetland	Seabeach amaranth	Vulnerable Occurrence	T/E	T	-												-
532	Plant	Rare plant	Vulnerable Occurrence	C/C		-												-
	Wetland	Seabeach amaranth	Vulnerable Occurrence	T/E	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					
547	Turtle	Eastern mud turtle	Nesting	E/-		-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
548	Snake	Northern black racer	Nesting			-													Jun-Jul	Aug-Sep	-	-	-
	Turtle	Common snapping turtle	Nesting			-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
	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
	Turtle	Eastern mud turtle	Nesting	E/-		-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
549	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
550	Turtle	Common snapping turtle	Nesting			-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
551	Turtle	N. diamondback terrapin	Nesting			Potential Nesting													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
552	Turtle	Eastern mud turtle	General Distribution	E/-		Present And Active													-	-	-	Apr-Nov	Apr-Nov
553	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		Thermal Regulation													-	-	-	-	Jul-Sep

## 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
625	Insect	Monarch butterfly	Migration			High													-	-	-	-	Aug-Oct
641	Crab	Horseshoe crab	Spawning Area			High													May-Jun	May-Jul	-	-	May-Jun
642	Bivalve	Northern quahog	Harvest Area			516 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec

## MARINE MAMMALS


Map ID	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				
678	Pinniped	Seals	Concentration Area			High													-	-	-	-
681	Whale	N.A. right whale	Migration	E/E	E	-													-	-	-	-
683	Pinniped	Gray seal	Haul Out			1-5													-	-	-	-
	Pinniped	Harbor seal	Haul Out			50-150													-	-	-	-
	Pinniped	Harp seal	Haul Out			Few													-	-	-	-

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				
	Waterfowl	American black duck	Wintering		1000S													-	-	-	-
		Scaup	Wintering		1000S													-	-	-	-
		Waterfowl	Migration		High													-	Mar-Apr	Oct-Nov	-
		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					
	Bivalve	Atlantic razor			96 Bushels/Yr Avg													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
		Bay scallop			4 Bushels/Yr Avg													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
		Blue mussel			19 Bushels/Yr Avg													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
		Eastern oyster			9 Bushels/Yr Avg													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
		Northern quahog			4461 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
		Softshell clam			17 Bushels/Yr Avg													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Gastropod	Whelk			-													Jun-Jul	Aug-Nov	-	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

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
 Alcid	Razorbill													-	-	-	-
 Gull/Tern	G. black-backed gull													-	-	-	-
	Herring gull													-	-	-	-
 Passerine	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													-	-	-	-
	Common eider													-	-	-	-
	Gadwall													May-Sep	-	-	-
	Long-tailed duck													-	-	-	-
	Mallard													Mar-Sep	-	-	-
	Surf scoter													-	-	-	-
	White-winged scoter													-	-	-	-

FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 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													-	-	-	Nov-Apr	Nov-Apr
	Blueback herring													-	-	-	May-Nov	Mar-Jul
	Striped bass													-	-	-	Mar-Nov	Mar-Nov
	Striped bass													-	-	-	Apr-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-Nov	May-Nov	May-Dec	Jan-Dec	Jan-Dec
	Bay anchovy													May-Jul	May-Jul	May-Dec	Jan-Dec	Jan-Dec
	Black sea bass													May-Oct	May-Oct	May-Nov	Mar-Nov	Mar-Nov
	Black sea bass													-	-	-	Apr-Nov	Apr-Nov
	Bluefish													-	-	-	May-Nov	May-Nov
	Bluefish													-	-	-	May-Oct	Apr-Dec
	Northern kingfish													-	-	-	Jun-Nov	Jun-Nov

**FISH (continued)**

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Northern puffer													May-Aug	Jun-Oct	Jun-Oct	May-Oct	May-Oct
	Scup													-	-	-	Apr-Dec	Apr-Dec
	Spot													-	-	-	Apr-Nov	Apr-Nov
	Spot													-	-	-	Sep-Nov	Jun-Nov
	Summer flounder													Sep-Nov	Sep-Nov	Sep-Dec	Apr-Nov	Apr-Nov
	Summer flounder													-	-	-	Apr-Oct	Apr-Oct
	Weakfish													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	Weakfish													May-Aug	May-Aug	Jun-Aug	May-Nov	Apr-Nov
	White perch													Feb-Apr	Mar-Jun	Jun-Nov	Jan-Dec	Jan-Dec
	Windowpane													Apr-Jun	Apr-Jul	Jun-Nov	Jan-Dec	Jan-Dec
	Windowpane													Mar-Nov*	Mar-Nov*	Apr-Nov*	Jan-Dec	Jan-Dec
	Winter flounder													-	-	-	Jan-Dec	Jan-Dec
	Winter flounder													Feb-Apr	Feb-Apr	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident													-	-	-	Jan-Apr	Jan-Apr
	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													-	-	-	-	Oct-Jun
	American sand lance													Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
	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
	Little skate													-	-	-	Jan-Dec	Jan-Dec
	Ocean pout													-	-	-	Dec-Aug	Dec-Aug
	Red hake													Jun-Sep	Jun-Sep	Jul-Oct	Jan-Dec	Jan-Dec
	Silver hake													May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec
	Smooth dogfish													May-Jun	May-Oct	-	Apr-Oct	Apr-Oct
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Jan-Dec
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Mar-Dec
	Tautog													May-Aug	May-Aug	Jun-Aug	Mar-Nov	Mar-Nov
	Winter skate													-	-	-	Sep-May	Sep-Nov
	Marine Pelagic													-	-	-	Jun-Sep	-
	Albacore													-	-	-	Nov-Apr	-
	Atlantic mackerel													-	-	-	Nov-Apr*	Nov-Apr*
	Atlantic mackerel													-	-	-	Jun-Sep	-
	Bluefin tuna													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
	Butterfish													-	-	-	May-Sep	May-Sep
	Dusky shark													-	-	-	Jun-Oct	-
	Sand tiger													-	-	-	Jun-Oct	Jun-Oct
	Sandbar shark													-	-	-	May-Oct	May-Oct
	Shortfin mako													-	-	-	Jun-Sep	Jun-Sep
	Skipjack tuna													-	-	-	-	-








## FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Spiny dogfish													-	-	-	Oct-Apr	Oct-Apr
	Thresher shark													-	-	-	May-Nov	May-Nov
	Tiger shark													-	-	-	Jul-Oct	-
	White shark													-	-	-	Jul-Oct	-
	Yellowfin tuna													-	-	-	Jul-Sep	-

## 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 razor													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
	Atlantic surfclam													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec
	Bay scallop													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Eastern oyster													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
	Ocean quahog													Jul-Nov	Jul-Nov	Jul-Dec	Jan-Dec	Jan-Dec
	Softshell clam													Apr-Sep	Apr-Sep	Apr-Sep	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
	Horseshoe crab													-	-	-	Aug-Mar	Aug-Mar
 Gastropod	Channeled whelk													Jun-Jul	Aug-Oct	-	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](https://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	527.81	0.82
	10B	Freshwater Marshes	5.08	0.01
	10C	Swamps	65.27	0.10
	10D	Scrub and Shrub Wetlands	35.39	0.06
	9A	Sheltered Tidal Flats	295.50	0.46
	7	Exposed Tidal Flats	1,662.17	2.60

### 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	33,432.08	20.77	19%
	10C	Swamps	47.88	0.03	< 1%
	10D	Scrub and Shrub Wetlands	970.94	0.60	1%
	9A	Sheltered Tidal Flats	19,396.08	12.05	11%
	9B	Vegetated Low Banks	48,918.43	30.40	27%
	8B	Sheltered, Solid Man-Made Structures	13,529.77	8.41	8%
	8C	Sheltered Riprap	449.09	0.28	< 1%
	7	Exposed Tidal Flats	26,848.17	16.68	15%
	6A	Gravel Beaches	63.84	0.04	< 1%
	6B	Riprap	3,252.31	2.02	2%
	5	Mixed Sand and Gravel Beaches	606.76	0.38	< 1%
	4	Coarse Grained Sand Beaches	24,445.87	15.19	14%
	3A	Fine to Medium Grained Sand Beaches	980.77	0.61	1%
	3B	Scarps and Steep Slopes (Sand)	697.50	0.43	< 1%
	1B	Exposed, Solid Man-Made Structures	5,695.02	3.54	3%

Total ESI Shoreline:	179,334.51	Total ESI Shoreline:	111.43
Total Shoreline:	96,404.24	Total Shoreline:	59.90

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](https://response.restoration.noaa.gov)

