

# Map 7C 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

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

### BIRDS

Monthly Presence																							
Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	Nest	Mig.(S)	Mig.(F)	Molt	
1	Shorebird	Piping plover	Nesting	E/E	T	1-5 Pairs													Apr-Aug	-	-	-	-
10	Gull/Tern	Least tern	Nesting	T/E		10-50 Pairs													May-Sep	-	-	-	-
83	Gull/Tern	Least tern	Nesting	T/E		1-10 Pairs													May-Sep	-	-	-	-
88	Diving	D. crested cormorant	Nesting			50-100 Pairs													Jun-Sep	-	-	-	-
	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	Laughing gull	Nesting			10 Pairs													May-Sep	-	-	-	-
	Gull/Tern	Least tern	Nesting	T/E		10-50 Pairs													May-Sep	-	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 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					
390	Diadromous	Striped bass	Concentration Area			High													-	-	-	Apr-Nov	Mar-Nov
	Estuarine Nursery	Black sea bass	Concentration Area			High													-	May-Oct	May-Nov	-	-
	Estuarine Nursery	Bluefish	Concentration Area			High													-	-	-	May-Oct	Apr-Dec
	Marine Benthic	American sand lance	Concentration Area			High													Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
	Marine Benthic	Tautog	Concentration Area			High													-	May-Aug	Jun-Aug	-	-

### 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					
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
526	Wetland	Seabeach amaranth	Vulnerable Occurrence	T/E	T	-													-	-	-	-	-
535	Wetland	Maritime holly forest	Vulnerable Occurrence			-													-	-	-	-	-

### 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					
550	Turtle	Common snapping turtle	Nesting			-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
553	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		Thermal Regulation													-	-	-	-	Jul-Sep
565	Turtle	Spotted turtle	Nesting	C/C		-													Jun-Jul	Mar-Nov*	-	-	Jun-Jul

# REPTILES & AMPHIBIANS (continued)

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					
567	Snake	Northern black racer	Nesting			-													Jun-Jul	Aug-Sep	-	-	-
568	Amphibian	Fowler's toad	Nesting	-/C		-													Apr-Jun	May-Jul	-	-	Apr-Jun
570	Turtle	Common snapping turtle	Nesting			-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
	Turtle	Spotted turtle	Nesting	C/C		-													Jun-Jul	Mar-Nov*	-	-	Jun-Jul
571	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		Thermal Regulation													-	-	-	-	Jul-Sep
	Turtle	Spotted turtle	General Distribution	C/C		Present And Active													-	-	-	Mar-Nov	Mar-Nov
572	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
573	Amphibian	Fowler's toad	Nesting	-/C		-													Apr-Jun	May-Jul	-	-	Apr-Jun
	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

# MARINE MAMMALS


														Monthly Presence															
Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molt							
678	Pinniped	Seals	Concentration Area			High	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	-	-	-	-	-						

# WIDESPREAD IN MAPPED AREA ( > 10 SQUARE KILOMETERS )


# BENTHIC

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					
SAV	Submersed aquatic veg	High Ecological Value			Present													-	-	-	-	-


# BIRDS

Monthly Presence																						
Subelement	Species	Mapping Qualifier	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	Nest	Mig.(S)	Mig.(F)	Molt	
 Waterfowl	American black duck	Wintering			1000S													-	-	-	-	-
	Brant	Wintering			1000S													-	-	-	-	-
	Mergansers	Wintering			1000S													-	-	-	-	-
	Scaup	Wintering			1000S													-	-	-	-	-
	Scaup	Wintering			10000S													-	-	-	-	-
	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-	-
	Waterfowl	Wintering			High													-	-	-	-	-
	Waterfowl	Wintering			10000S													-	-	-	-	-



## 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	Present												-	-	-	Jan-Dec	Oct-Jun
		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	Eastern oyster	Harvest Area		382 Bushels/Yr Avg													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
		Northern quahog	Harvest Area		6 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
		Northern quahog	Harvest Area		59 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
	Gastropod	Whelk	Harvest Area		-													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												-	-	-	-	-
		N.A. right whale	Migration	E/E	E	-												-	-	-	-	-

## 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													-	-	-	-	-
	Gull/Tern													-	-	-	-	-
														-	-	-	-	-
	Pelagic													-	-	-	-	-
														-	-	-	-	-
	Waterfowl													-	-	-	-	-
														-	-	-	-	-
														-	-	-	-	-
														-	-	-	-	-

# 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												-	-	Jan-Feb	-	Sep-Dec
		American eel												-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American shad												-	-	-	Nov-Apr	Nov-Apr
		American shad												-	-	-	Apr-Nov	Apr-Jul
		Blueback herring												-	-	-	May-Nov	Mar-Jul
		Blueback herring												-	-	-	Nov-Apr	Nov-Apr
		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-Oct	Apr-Dec
		Bluefish												-	-	-	May-Nov	May-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												-	-	-	May-Nov	May-Nov
		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												-	-	-	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
		Winter flounder												-	-	-	Jan-Dec	Jan-Dec
		Winter flounder												Feb-Apr	Feb-Apr	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside												-	-	-	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	American sand lance												Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
		American sand lance												-	-	-	-	Oct-Jun







**FISH (continued)**

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Atlantic cod													-	-	-	Nov-Apr	Nov-Apr
	Atlantic cod													-	-	-	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
	Pollock													-	-	-	Mar-Jun	-
	Red hake													-	-	-	May-Oct	May-Oct
	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	Mar-Nov	Mar-Nov
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Mar-Dec
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Jan-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
	Sand tiger													-	-	-	Jun-Oct	-
	Sandbar shark													-	-	-	Jun-Oct	Jun-Oct
	Shortfin mako													-	-	-	May-Oct	May-Oct
	Skipjack tuna													-	-	-	Jun-Sep	Jun-Sep
	Spiny dogfish													-	-	-	Oct-Apr	Oct-Apr
	Thresher shark													-	-	-	May-Nov	May-Nov
	Tiger shark													-	-	-	Jul-Oct	-
	White 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

		<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>					
	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
			Blue mussel													Apr-Nov	Apr-Nov	Apr-Nov	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
	Cephalopod		Softshell clam													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
			Longfin squid													-	-	-	-	Jan-Dec
	Crab		Blue crab													-	-	Jun-Oct	-	Aug-Mar
			Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
			Horseshoe crab													-	-	-	Aug-Mar	Aug-Mar
			Horseshoe crab													-	-	-	Jan-Dec	Jan-Dec
	Gastropod		Channeled whelk													Jun-Jul	Aug-Oct	-	Jan-Dec	Jan-Dec
	Lobster		American lobster													-	-	-	Jan-Dec	Jan-Dec







## MARINE MAMMALS

		<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Mating</i>	<i>Calving</i>	<i>Pupping</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>				
	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	152.86	0.24
	10B	Freshwater Marshes	17.46	0.03
	10C	Swamps	19.70	0.03
	10D	Scrub and Shrub Wetlands	12.87	0.02
	9A	Sheltered Tidal Flats	1.04	0.00
	7	Exposed Tidal Flats	2,604.37	4.07

### 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	9,198.37	5.72	15%
	10B	Freshwater Marshes	182.36	0.11	< 1%
	10C	Swamps	21.87	0.01	< 1%
	10D	Scrub and Shrub Wetlands	370.74	0.23	1%
	9A	Sheltered Tidal Flats	326.73	0.20	1%
	9B	Vegetated Low Banks	9,703.12	6.03	16%
	7	Exposed Tidal Flats	16,634.53	10.34	27%
	6B	Riprap	334.96	0.21	1%
	5	Mixed Sand and Gravel Beaches	76.36	0.05	< 1%
	4	Coarse Grained Sand Beaches	1,482.43	0.92	2%
	3A	Fine to Medium Grained Sand Beaches	15,617.74	9.70	25%
	1B	Exposed, Solid Man-Made Structures	7,746.66	4.81	13%

Total ESI Shoreline:	61,695.87	Total ESI Shoreline:	38.34
Total Shoreline:	31,880.25	Total Shoreline:	19.81

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)

