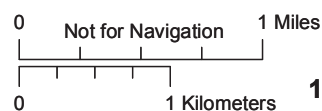


Map 6C
South Long Island



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 6C
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>				
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	-	-	-
82	Gull/Tern	Common tern	Nesting	T/C		1-10 Pairs													May-Sep	-	-	-
	Gull/Tern	Least tern	Nesting	T/E		50-100 Pairs													May-Sep	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	10-25 Pairs													Apr-Aug	-	-	-
83	Gull/Tern	Least tern	Nesting	T/E		1-10 Pairs													May-Sep	-	-	-

FISH

<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>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>					
398	Diadromous	Alewife	Migration			-													-	-	-	Apr-Oct	Mar-May
	Diadromous	Alewife	Nursery Area			-													-	-	Mar-May	Apr-Oct	-
	Diadromous	American eel	Nursery Area			-													-	-	-	Jan-Dec	-

HABITATS & RARE PLANTS

<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>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>					
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
526	Wetland	Seabeach amaranth	Vulnerable Occurrence	T/E	T	-													-	-	-	-	-

REPTILES & AMPHIBIANS

<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>Hatch</i>	<i>Internest</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>					
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
565	Turtle	Spotted turtle	Nesting	C/C		-													Jun-Jul	Mar-Nov*	-	-	Jun-Jul
567	Snake	Northern black racer	Nesting			-													Jun-Jul	Aug-Sep	-	-	-
568	Amphibian	Fowler's toad	Nesting	-/C		-													Apr-Jun	May-Jul	-	-	Apr-Jun
569	Turtle	Spotted turtle	General Distribution	C/C		Present And Active													-	-	-	Mar-Nov	Mar-Nov

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					
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

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

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)


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				
	Waterfowl	American black duck	Wintering			1000S													-	-	-	-
		Brant	Wintering			1000S													-	-	-	-
		Mergansers	Wintering			1000S													-	-	-	-
		Scaup	Wintering			1000S													-	-	-	-
		Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
		Waterfowl	Wintering			10000S													-	-	-	-



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					
	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	Low													-	-	-	Jan-Dec	Oct-Jun
		Atlantic sturgeon	Migration	-/E	E	High													-	-	-	May-Jul	May-Jul


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					
	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			9 Bushels/Yr Avg													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
		Blue mussel			28 Bushels/Yr Avg													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
		Eastern oyster			7 Bushels/Yr Avg													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
		Northern quahog			59 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
		Northern quahog			3602 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
	Gastropod	Softshell clam			10 Bushels/Yr Avg													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
		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	E/E	E	Common													-	-	-	-
		Humpback whale	E/E	E	Common													-	-	-	-
		N.A. right whale	E/E	E	Uncommon, Regular													-	-	-	-
		N.A. right whale	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													-	-	-	-
	Herring gull													-	-	-	-
	Pelagic													-	-	-	-
	Northern gannet													-	-	-	-
	Wilson's storm-petrel													-	-	-	-
	Common eider													-	-	-	-
	Long-tailed duck													-	-	-	-
	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													-	-	-	Nov-Apr	Nov-Apr
	Alewife													-	-	-	Apr-Nov	Mar-Jun
	Alewife													-	-	-	Jan-Feb	Sep-Dec
	American eel													-	-	-	Apr-Aug	Sep-Nov
	American eel													-	-	-	Jan-Dec	Sep-Nov
	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													-	-	-	Mar-Nov	Mar-Nov
	Striped bass													-	-	-	Apr-Nov	Mar-Nov






FISH (continued)

	Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
			J	F	M	A	M	J	J	A	S	O	N	D					
	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													-	-	-	Apr-Dec	Apr-Dec
		Scup													-	-	-	May-Nov	May-Nov
		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													May-Aug	May-Aug	Jun-Aug	May-Nov	Apr-Nov
		Weakfish													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
		White perch													-	-	-	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													Feb-Apr	Feb-Apr	Mar-Jun	Jan-Dec	Jan-Dec
		Winter flounder													-	-	-	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													-	-	-	-	Oct-Jun
		American sand lance													Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
		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
		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	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													-	-	-	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													-	-	-	Oct-Apr	Oct-Apr
	Spiny dogfish													-	-	-	May-Nov	May-Nov
	Thresher shark													-	-	-	Jul-Oct	-
	Tiger shark													-	-	-	-	-

INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Bivalve													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
	Atlantic razor													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec
	Atlantic surfclam													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Blue mussel													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
	Eastern oyster													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Softshell clam													-	-	-	-	Jan-Dec
	Cephalopod													-	-	-	-	Aug-Mar
	Crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
	Blue crab													-	-	-	Aug-Mar	Aug-Mar
	Horseshoe crab													-	-	-	Jan-Dec	Jan-Dec
	Horseshoe crab													Jun-Jul	Aug-Oct	-	Jan-Dec	Jan-Dec
	Gastropod													-	-	-	Jan-Dec	Jan-Dec
	Lobster													-	-	-	-	-






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	167.62	0.26
	10B	Freshwater Marshes	5.80	0.01
	10C	Swamps	81.88	0.13
	10D	Scrub and Shrub Wetlands	19.86	0.03
	7	Exposed Tidal Flats	1,635.58	2.56

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	6,447.35	4.01	7%
	10B	Freshwater Marshes	203.38	0.13	< 1%
	10C	Swamps	55.96	0.03	< 1%
	10D	Scrub and Shrub Wetlands	626.53	0.39	1%
	9A	Sheltered Tidal Flats	177.44	0.11	< 1%
	9B	Vegetated Low Banks	12,626.37	7.85	15%
	8B	Sheltered, Solid Man-Made Structures	17,766.89	11.04	20%
	8C	Sheltered Riprap	16.81	0.01	< 1%
	7	Exposed Tidal Flats	10,230.92	6.36	12%
	6A	Gravel Beaches	29.67	0.02	< 1%
	6B	Riprap	2,756.75	1.71	3%
	5	Mixed Sand and Gravel Beaches	17.70	0.01	< 1%
	4	Coarse Grained Sand Beaches	5,520.80	3.43	6%
	3A	Fine to Medium Grained Sand Beaches	14,978.50	9.31	17%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	1,407.00	0.87	2%
	1B	Exposed, Solid Man-Made Structures	14,011.82	8.71	16%

Total ESI Shoreline:	86,873.90	Total ESI Shoreline:	53.98
Total Shoreline:	63,480.80	Total Shoreline:	39.45

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

