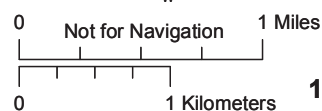


Map 3B
South Long Island



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 3B 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
	SAV	Submersed aquatic veg	High Ecological Value			Present												
	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				
1	Shorebird	Piping plover	Nesting	E/E	T	1-5 Pairs													Apr-Aug	-	-	-
23	Raptor	Northern harrier	Migration	T/E		High													-	Mar-Apr	Sep-Nov	-
	Raptor	Osprey	Migration	C/-		High													-	Apr-May	Sep-Nov	-
	Raptor	Peregrine falcon	Migration	E/-		High													-	-	Aug-Nov	-
24	Gull/Tern	Common tern	Nesting	T/C		10-50 Pairs													May-Sep	-	-	-
	Gull/Tern	Least tern	Nesting	T/E		50-100 Pairs													May-Sep	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	10-25 Pairs													Apr-Aug	-	-	-
25	Gull/Tern	Common tern	Migration	T/C		100S													-	-	Aug-Sep	-
	Shorebird	American oystercatcher	Migration	-/C		50S													-	-	Aug-Sep	-
	Shorebird	Black-bellied plover	Migration			100S													-	-	Aug-Sep	-
26	Gull/Tern	Least tern	Nesting	T/E		1-10 Pairs													May-Sep	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	1-5 Pairs													Apr-Aug	-	-	-
27	Raptor	Raptors	Migration			High													-	-	Aug-Nov	-

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					
379	Diadromous	Atlantic sturgeon	Migration	-/E	E	High													-	-	-	May-Jul	May-Jul

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	-													-	-	-	-	-

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					
546	Amphibian	E. tiger salamander	Vulnerable Occurrence	E/-		-													-	-	-	-	Jan-Dec

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>	-	-	-	-	-
681	Whale	N.A. right whale	Migration	E/E	E	-	<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)


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	Mergansers	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


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	Harvest Area		1123 Bushels/Yr Avg													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
		Atlantic surfclam	Harvest Area		Few Bushels/Yr Avg													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec
		Bay scallop	Harvest Area		31 Bushels/Yr Avg													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
		Blue mussel	Harvest Area		133 Bushels/Yr Avg													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec

INVERTEBRATES (continued)





				Monthly Presence											
				J	F	M	A	M	J	J	A	S	O	N	D
	Eastern oyster	Harvest Area	1436 Bushels/Yr Avg												
	Northern quahog	Harvest Area	961 Bushels/Yr Avg												
	Softshell clam	Harvest Area	13 Bushels/Yr Avg												
	Gastropod	Whelk	Harvest Area												

MARINE MAMMALS



				Monthly Presence											
				J	F	M	A	M	J	J	A	S	O	N	D
	Whale	Fin whale	General Distribution												
		Humpback whale	General Distribution												
		N.A. right whale	General Distribution												

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)




BIRDS

				Monthly Presence											
				J	F	M	A	M	J	J	A	S	O	N	D
	Alcid	Razorbill													
	Gull/Tern	G. black-backed gull													
		Herring gull													
	Pelagic	Northern gannet													
		Wilson's storm-petrel													
	Waterfowl	Black scoter													
		Common eider													
		Long-tailed duck													
		Surf scoter													
		White-winged scoter													

FISH

				Monthly Presence											
				J	F	M	A	M	J	J	A	S	O	N	D
	Diadromous	Alewife													
		Alewife													
		American eel													
		American eel													
		American shad													
		American shad													
		Blueback herring													
		Blueback herring													
		Striped bass													
		Striped bass													
	Estuarine Nursery	Atlantic croaker													
		Atlantic herring													
		Atlantic herring													
		Atlantic menhaden													





FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Atlantic menhaden													-	-	-	Apr-Nov	Mar-Nov
	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													-	-	-	Apr-Nov	Apr-Nov
	Black sea bass													May-Oct	May-Oct	May-Nov	Mar-Nov	Mar-Nov
	Bluefish													-	-	-	May-Oct	Apr-Dec
	Bluefish													-	-	-	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													Apr-Jun	Apr-Jul	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	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
	Clemonose skate													-	-	-	Apr-Nov	Apr-Nov
	Goosefish													-	-	-	-	Jan-Jun
	Little skate													-	-	-	Jan-Dec	Jan-Dec
	Little skate													Jan-Dec	Jan-Dec	-	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	Mar-Nov	Mar-Nov
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Jan-Dec
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Mar-Dec
	Winter skate													-	-	-	Sep-May	Sep-Nov
 Marine Pelagic	Albacore													-	-	-	Jun-Sep	-

FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Atlantic mackerel													-	-	-	Nov-Apr*	Nov-Apr*
	Atlantic mackerel													-	-	-	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	-
	Yellowfin tuna													-	-	-	Jul-Sep	-

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
	Ocean quahog													Jul-Nov	Jul-Nov	Jul-Dec	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													-	-	-	Aug-Mar	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	163.94	0.26
	10B	Freshwater Marshes	5.90	0.01
	10C	Swamps	26.78	0.04
	10D	Scrub and Shrub Wetlands	24.36	0.04
	9A	Sheltered Tidal Flats	12.28	0.02
	7	Exposed Tidal Flats	894.40	1.40

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	17,899.28	11.12	22%
	10D	Scrub and Shrub Wetlands	1,049.35	0.65	1%
	9A	Sheltered Tidal Flats	2,414.43	1.50	3%
	9B	Vegetated Low Banks	23,414.94	14.55	29%
	8B	Sheltered, Solid Man-Made Structures	3,847.45	2.39	5%
	8C	Sheltered Riprap	149.02	0.09	< 1%
	7	Exposed Tidal Flats	10,427.49	6.48	13%
	6B	Riprap	1,681.04	1.04	2%
	5	Mixed Sand and Gravel Beaches	5,097.44	3.17	6%
	4	Coarse Grained Sand Beaches	11,646.54	7.24	15%
	3A	Fine to Medium Grained Sand Beaches	62.92	0.04	< 1%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	726.48	0.45	1%
	1B	Exposed, Solid Man-Made Structures	1,244.27	0.77	2%

Total ESI Shoreline:	79,660.64	Total ESI Shoreline:	49.50
Total Shoreline:	45,847.50	Total Shoreline:	28.49

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

