

Map 6A
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												

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	
37	Passerine	Seaside sparrow	Nesting	C/-		-													May-Aug	-	-	-	-
45	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-	-
66	Raptor	Endangered raptor 2	Nesting	T/E		-													Mar-Jul	-	-	-	-
67	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-	-
	Raptor	Northern harrier	General Distribution	T/E		-													Apr-Aug	-	-	-	-
	Raptor	Osprey	General Distribution	C/-		-													Apr-Aug	-	-	-	-
74	Waterfowl	American black duck	Wintering			1000S													-	-	-	-	-
	Waterfowl	Brant	Wintering			1000S													-	-	-	-	-
	Waterfowl	Mergansers	Wintering			1000S													-	-	-	-	-
	Waterfowl	Scaup	Wintering			1000S													-	-	-	-	-
	Waterfowl	Waterfowl	Wintering			10000S													-	-	-	-	-
75	Waterfowl	Waterfowl	Wintering			1000S													-	-	-	-	-
76	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-	-
	Waterfowl	Waterfowl	Wintering			1000S													-	-	-	-	-

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>					
382	Diadromous	American eel	Nursery Area			-													-	-	-	Jan-Dec	-
384	Diadromous	Alewife	Nursery Area			-													-	-	Mar-May	Apr-Oct	-
	Diadromous	American eel	Nursery Area			-													-	-	-	Jan-Dec	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	Apr-Jun	May-Nov	-
	Diadromous	Striped bass	Nursery Area			-													-	-	-	Apr-Nov	-
	Estuarine Nursery	Atlantic menhaden	Nursery Area			-													-	-	-	Apr-Nov	-
	Estuarine Nursery	Bluefish	Nursery Area			-													-	-	-	May-Oct	-
	Estuarine Nursery	White perch	Nursery Area			-													-	-	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			-													-	-	May-Sep	Jan-Dec	-
	Estuarine Resident	Atlantic silverside	Spawning Area			-													May-Aug	May-Aug	-	-	May-Aug
	Estuarine Resident	Killifish	Nursery Area			-													-	-	May-Sep	Jan-Dec	-
	Estuarine Resident	Killifish	Spawning Area			-													May-Aug	May-Aug	-	-	May-Aug
386	Diadromous	Alewife	Migration			-													-	-	-	Apr-Oct	Mar-May
	Diadromous	Blueback herring	Migration			-													-	-	-	May-Nov	Apr-Jun

FISH (continued)

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					
391	Diadromous	American eel	Nursery Area			-													-	-	-	Jan-Dec	-
	Freshwater	Brook trout	Harvest Area			-													Sep-Nov	Sep-Nov	Nov-Dec	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			-													-	-	Nov-Dec	Jan-Dec	-
	Freshwater	Brook trout	Spawning Area			-													Sep-Nov	Sep-Nov	-	-	Sep-Nov
392	Diadromous	American eel	Nursery Area			-													-	-	-	Jan-Dec	-
	Diadromous	Brown trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Diadromous	Rainbow trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Freshwater	Brook trout	Harvest Area			-													Sep-Nov	Sep-Nov	Nov-Dec	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			-													-	-	Nov-Dec	Jan-Dec	-
	Freshwater	Brook trout	Spawning Area			-													Sep-Nov	Sep-Nov	-	-	Sep-Nov
393	Diadromous	Alewife	Nursery Area			-													-	-	Mar-May	Apr-Oct	-
	Diadromous	Alewife	Spawning Area			Priority													Mar-May	Mar-May	-	-	Mar-May
	Diadromous	American eel	Nursery Area			-													-	-	-	Jan-Dec	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	Apr-Jun	May-Nov	-
	Diadromous	Blueback herring	Spawning Area			Low													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Brown trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Diadromous	Rainbow trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Estuarine Nursery	White perch	Nursery Area			-													-	-	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Nursery	White perch	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
	Freshwater	Black crappie	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Bluegill	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Harvest Area			-													Sep-Nov	Sep-Nov	Nov-Dec	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			-													-	-	Nov-Dec	Jan-Dec	-
	Freshwater	Brook trout	Spawning Area			-													Sep-Nov	Sep-Nov	-	-	Sep-Nov
	Freshwater	Chain pickerel	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
394	Diadromous	Alewife	Nursery Area			-													-	-	Mar-May	Apr-Oct	-
395	Diadromous	Alewife	Spawning Area			-													Mar-May	Mar-May	-	-	Mar-May
396	Diadromous	Brown trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Diadromous	Rainbow trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Freshwater	Brook trout	Harvest Area			-													Sep-Nov	Sep-Nov	Nov-Dec	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			-													-	-	Nov-Dec	Jan-Dec	-
397	Freshwater	Brook trout	Spawning Area			-													Sep-Nov	Sep-Nov	-	-	Sep-Nov
	Diadromous	Alewife	Spawning Area			Potential													Mar-May	Mar-May	-	-	Mar-May
	Freshwater	Largemouth bass	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec

HABITATS & RARE PLANTS

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					
520	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-	-
522	Upland	Rare upland community	Vulnerable Occurrence			-													-	-	-	-	-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-

HABITATS & RARE PLANTS (continued)

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		-												-
527	Plant	Endangered plant	Vulnerable Occurrence	E/E		-												-
	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					
546	Amphibian	E. tiger salamander	Vulnerable Occurrence	E/-		-													-	-	-	-	Jan-Dec
554	Reptile	Endangered reptile 1	Vulnerable Occurrence	E/-		-													-	-	-	-	Apr-Nov
559	Amphibian	Eastern spadefoot	Vulnerable Occurrence	C/-		-													-	-	-	-	Mar-Sep
560	Turtle	Green sea turtle	General Distribution	T/T	T	-													-	-	-	May-Nov	May-Nov
	Turtle	K. ridley sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	-
	Turtle	Leatherback sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	May-Nov
	Turtle	Loggerhead sea turtle	General Distribution	T/E	T	-													-	-	-	May-Nov	May-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					
643	Bivalve	Northern quahog	Harvest Area			84 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
645	Bivalve	Atlantic razor	Harvest Area			9 Bushels/Yr Avg													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
	Bivalve	Blue mussel	Harvest Area			28 Bushels/Yr Avg													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Bivalve	Eastern oyster	Harvest Area			7 Bushels/Yr Avg													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			3602 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Harvest Area			10 Bushels/Yr Avg													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Gastropod	Whelk	Harvest Area			-													Jun-Jul	Aug-Nov	-	Jan-Dec	Jan-Dec


TERRESTRIAL MAMMALS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
693	Bat	Northern myotis	Colony	T/-	T	-												





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				
 Passerine	Nelson's sparrow													May-Aug	-	-	-
 Wading	Clapper rail													Apr-Sep	-	-	-

FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Diadromous	Alewife													-	-	-	Apr-Nov	Mar-Jun
	American eel													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	American shad													-	-	-	Apr-Nov	Apr-Jul




FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Blueback herring													-	-	-	May-Nov	Mar-Jul
	Striped bass													-	-	-	Apr-Nov	Mar-Nov
	Atlantic herring													-	-	-	Nov-Apr	Nov-Apr
	Atlantic menhaden													-	-	-	Apr-Nov	Mar-Nov
	Bay anchovy													May-Jul	May-Jul	May-Dec	Jan-Dec	Jan-Dec
	Black sea bass													-	-	-	Apr-Nov	Apr-Nov
	Bluefish													-	-	-	May-Oct	Apr-Dec
	Northern kingfish													-	-	-	May-Nov	May-Nov
	Northern puffer													May-Aug	Jun-Oct	Jun-Oct	May-Oct	May-Oct
	Scup													-	-	-	May-Nov	May-Nov
	Spot													-	-	-	Apr-Nov	Apr-Nov
	Summer flounder													-	-	-	Apr-Oct	Apr-Oct
	Weakfish													May-Aug	May-Aug	Jun-Aug	May-Nov	Apr-Nov
	White perch													-	-	-	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
	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
	American sand lance													Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
	Atlantic cod													-	-	-	Nov-Apr	-
	Atlantic tomcod													-	-	Dec-Apr	Apr-Dec	Jan-Dec
	Pollock													-	-	-	Mar-Jun	-
	Red hake													-	-	-	May-Oct	May-Oct
	Smooth dogfish													May-Jun	May-Oct	-	Apr-Oct	Apr-Oct
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Mar-Dec
	Atlantic mackerel													-	-	-	Nov-Apr	-
	Sandbar shark													-	-	-	Jun-Oct	Jun-Oct

REPTILES & AMPHIBIANS

Subelement	Species	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Common snapping turtle													-	-	-	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					
	Atlantic razor													Apr-May	Apr-May	Apr-May	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
	Softshell clam													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
	Horseshoe crab													-	-	-	Jan-Dec	Jan-Dec
	Channeled whelk													Jun-Jul	Aug-Oct	-	Jan-Dec	Jan-Dec














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	523.36	0.82
	10B	Freshwater Marshes	6.72	0.01
	10C	Swamps	402.26	0.63
	10D	Scrub and Shrub Wetlands	29.95	0.05

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	19,123.14	11.88	22%
	10B	Freshwater Marshes	25.54	0.02	< 1%
	10C	Swamps	14,966.93	9.30	17%
	10D	Scrub and Shrub Wetlands	697.67	0.43	1%
	9A	Sheltered Tidal Flats	785.27	0.49	1%
	9B	Vegetated Low Banks	41,004.19	25.48	47%
	8B	Sheltered, Solid Man-Made Structures	5,087.82	3.16	6%
	6B	Riprap	123.09	0.08	< 1%
	5	Mixed Sand and Gravel Beaches	8.58	0.01	< 1%
	4	Coarse Grained Sand Beaches	50.92	0.03	< 1%
	3A	Fine to Medium Grained Sand Beaches	2,186.83	1.36	2%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	2,579.91	1.60	3%
	1B	Exposed, Solid Man-Made Structures	873.34	0.54	1%

Total ESI Shoreline:	87,513.22	Total ESI Shoreline:	54.38
Total Shoreline:	49,934.46	Total Shoreline:	31.03

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

