

Map 5B
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>				
6	Raptor	Northern harrier	Nesting	T/E		-													Apr-Aug	-	-	-
8	Shorebird	Piping plover	Nesting	E/E	T	10-25 Pairs													Apr-Aug	-	-	-
10	Gull/Tern	Least tern	Nesting	T/E		10-50 Pairs													May-Sep	-	-	-
30	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
34	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
37	Passerine	Seaside sparrow	Nesting	C/-		-													May-Aug	-	-	-
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	-
56	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	-
57	Gull/Tern	Roseate tern	Migration	E/E	E	Low													-	May	Aug-Sep	-
58	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	-
65	Waterfowl	Brant	Wintering			1000S													-	-	-	-
	Waterfowl	Mergansers	Wintering			1000S													-	-	-	-
	Waterfowl	Waterfowl	Wintering			10000S													-	-	-	-
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	-	-	-
68	Gull/Tern	Common tern	Nesting	T/C		100-500 Pairs													May-Sep	-	-	-
	Gull/Tern	Roseate tern	Nesting	E/E	E	1-10 Pairs													May-Sep	-	-	-
	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-

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					
69	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	-	-
	Gull/Tern	Common tern	Nesting	T/C		100-500 Pairs													May-Sep	-	-	-	-
	Gull/Tern	Herring gull	Nesting			1-10 Pairs													Apr-Sep	-	-	-	-
	Gull/Tern	Roseate tern	Nesting	E/E	E	1-10 Pairs													May-Sep	-	-	-	-
70	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-	-
	Gull/Tern	Common tern	Nesting	T/C		10-50 Pairs													May-Sep	-	-	-	-
	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-	-
	Waterfowl	American black duck	Nesting			2 Pairs													Apr-Aug	-	-	-	-
	Waterfowl	Canada goose	Nesting			11 Pairs													Mar-Jun	-	-	-	-
71	Waterfowl	Common merganser	Nesting			3 Pairs													May-Aug	-	-	-	-
	Waterfowl	Mallard	Nesting			5 Pairs													Mar-Sep	-	-	-	-
	Passerine	Seaside sparrow	Nesting	C/-		-													May-Aug	-	-	-	-
	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	-	-
72	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	Apr-May	Aug-Sep	-	-
73	Gull/Tern	Common tern	Nesting	T/C		1-10 Pairs													May-Sep	-	-	-	-
	Gull/Tern	Least tern	Nesting	T/E		50-100 Pairs													May-Sep	-	-	-	-

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					
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	-
385	Estuarine Resident	Killifish	Spawning Area			-													May-Aug	May-Aug	-	-	May-Aug
	Diadromous	Alewife	Nursery Area			-													-	-	Mar-May	Apr-Oct	-
	Diadromous	American eel	Nursery Area			-													-	-	-	Jan-Dec	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	Apr-Jun	May-Nov	-
386	Estuarine Nursery	White perch	Nursery Area			-													-	-	Mar-Jun	Jan-Dec	Jan-Dec
	Diadromous	Alewife	Migration			-													-	-	-	Apr-Oct	Mar-May
	Diadromous	Blueback herring	Migration			-													-	-	-	May-Nov	Apr-Jun
387	Diadromous	Alewife	Spawning Area			Priority													Mar-May	Mar-May	-	-	Mar-May
	Diadromous	Blueback herring	Spawning Area			Low													Apr-Jun	Apr-Jun	-	-	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					
	Diadromous	Brown trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Diadromous	Rainbow trout	Harvest Area			-													-	-	-	-	Jan-Dec
	Estuarine Nursery	White perch	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
	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	Yellow perch	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
388	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	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
389	Diadromous	Striped bass	Nursery Area			-													-	-	-	Apr-Nov	-
	Estuarine Nursery	Atlantic menhaden	Nursery Area			-													-	-	-	Apr-Nov	-
	Estuarine Nursery	Bluefish	Nursery Area			-													-	-	-	May-Oct	-
	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
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												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		-													-	-	-	-	-
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					
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

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					
	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
554	Reptile	Endangered reptile 1	Vulnerable Occurrence	E/-		-													-	-	-	-	Apr-Nov
555	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
	Turtle	Eastern mud turtle	Nesting	E/-		-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
556	Snake	Northern black racer	Nesting			-													Jun-Jul	Aug-Sep	-	-	-
	Turtle	Common snapping turtle	Nesting			-													Jun-Jul	Apr-Nov*	-	-	Jun-Jul
	Turtle	Painted turtle	Nesting			-													Jun-Jul	Aug-Sep	-	-	Jun-Jul
557	Snake	Eastern milk snake	Nesting			-													Jun-Jul	Aug-Sep	-	-	Jun-Jul
558	Turtle	Eastern box turtle	General Distribution	C/C		-													-	-	-	Apr-Nov	Apr-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
626	Invertebrate	R, LT, or LE invertebrate	Vulnerable Occurrence			-													Apr-Jun	Apr-Jun	Jan-Dec	-	Jan-Dec
642	Bivalve	Northern quahog	Harvest Area			516 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
643	Bivalve	Northern quahog	Harvest Area			84 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
644	Bivalve	Northern quahog	Harvest Area			11 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				
681	Whale	N.A. right whale	Migration	E/E	E	-													-	-	-	-

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					
	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												-	-	-	-

TERRESTRIAL MAMMALS

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				
	Bat	Northern myotis	Colony	T/-	T	-												-	-	-	-

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)



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				
	Alcid	Razorbill																-	-	-	-
	Gull/Tern	G. black-backed gull																-	-	-	-
		Herring gull																-	-	-	-
	Passerine	Marsh wren																Apr-Aug	-	-	-
		Nelson's sparrow																May-Aug	-	-	-
	Pelagic	Northern gannet																-	-	-	-
		Wilson's storm-petrel																-	-	-	-
	Shorebird	Willet																May-Aug	-	-	-
	Wading	American woodcock																Mar-Aug	-	-	-
		Clapper rail																Apr-Sep	-	-	-
		Green heron																Apr-Sep	-	-	-




BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
 Waterfowl	Virginia rail													Apr-Sep	-	-	-
	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													-	-	-	Apr-Nov	Mar-Jun
	Alewife													-	-	-	Nov-Apr	Nov-Apr
	American eel													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	American eel													-	-	Jan-Feb	-	Sep-Dec
	American shad													-	-	-	Nov-Apr	Nov-Apr
	American shad													-	-	-	Apr-Nov	Apr-Jul
	Blueback herring													-	-	-	Nov-Apr	Nov-Apr
	Blueback herring													-	-	-	May-Nov	Mar-Jul
 Estuarine Nursery	Striped bass													-	-	-	Apr-Nov	Mar-Nov
	Striped bass													-	-	-	Mar-Nov	Mar-Nov
	Atlantic croaker													-	-	-	-	Jun-Dec
	Atlantic herring													-	-	-	Nov-Apr	Nov-Apr
	Atlantic herring													-	-	-	Nov-May	Nov-May
	Atlantic menhaden													Sep-Dec	Sep-Dec	Oct-Dec	Oct-Apr	Oct-Apr
	Atlantic menhaden													-	-	-	Apr-Nov	Mar-Nov
	Bay anchovy													May-Jul	May-Jul	May-Dec	Jan-Dec	Jan-Dec
	Bay anchovy													May-Nov	May-Nov	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													-	-	-	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													-	-	-	Apr-Oct	Apr-Oct
	Summer flounder													Sep-Nov	Sep-Nov	Sep-Dec	Apr-Nov	Apr-Nov
	Weakfish													May-Aug	May-Aug	Jun-Aug	May-Nov	Apr-Nov






FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Weakfish													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	White perch													-	-	-	Jan-Dec	Jan-Dec
	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													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													Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
	American sand lance													-	-	-	-	Oct-Jun
	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
	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	Jan-Dec	Mar-Dec
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Jan-Dec
	Tautog													May-Aug	May-Aug	Jun-Aug	Mar-Nov	Mar-Nov
 Marine Pelagic	Winter skate													-	-	-	Sep-May	Sep-Nov
	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	-


REPTILES & AMPHIBIANS

	<i>Subelement</i>	<i>Species</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>					
	Turtle	Common snapping turtle													-	-	-	Apr-Nov	Apr-Nov
		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
		Softshell clam													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Cephalopod	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													-	-	-	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

	<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

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	1,105.54	1.73
	10B	Freshwater Marshes	34.03	0.05
	10C	Swamps	268.39	0.42
	10D	Scrub and Shrub Wetlands	215.70	0.34
	9A	Sheltered Tidal Flats	70.03	0.11
	7	Exposed Tidal Flats	1,236.74	1.93

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	49,568.52	30.80	22%
	10B	Freshwater Marshes	565.03	0.35	< 1%
	10C	Swamps	6,908.79	4.29	3%
	10D	Scrub and Shrub Wetlands	5,260.08	3.27	2%
	9A	Sheltered Tidal Flats	8,264.14	5.14	4%
	9B	Vegetated Low Banks	82,663.96	51.37	36%
	8B	Sheltered, Solid Man-Made Structures	19,759.48	12.28	9%
	8C	Sheltered Riprap	207.96	0.13	< 1%
	7	Exposed Tidal Flats	26,047.05	16.18	11%
	6A	Gravel Beaches	50.83	0.03	< 1%
	6B	Riprap	587.65	0.37	< 1%
	5	Mixed Sand and Gravel Beaches	414.95	0.26	< 1%
	4	Coarse Grained Sand Beaches	14,374.22	8.93	6%
	3A	Fine to Medium Grained Sand Beaches	7,482.00	4.65	3%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	2,762.53	1.72	1%
	1B	Exposed, Solid Man-Made Structures	3,690.65	2.29	2%

Total ESI Shoreline:	228,607.83	Total ESI Shoreline:	142.05
Total Shoreline:	126,879.55	Total Shoreline:	78.84

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

