



# Map 4A 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				
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	-	-	-
28	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	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
29	Raptor	Short-eared owl	Wintering	E/E		-													-	-	-	-
30	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
31	Gull/Tern	Common tern	Nesting	T/C		500-1000 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	-	-	-
	Waterfowl	American black duck	Nesting			4 Pairs													Apr-Aug	-	-	-
	Waterfowl	Canada goose	Nesting			3 Pairs													Mar-Jun	-	-	-
	Waterfowl	Common merganser	Nesting			1 Pair													May-Aug	-	-	-
	Waterfowl	Mallard	Nesting			2 Pairs													Mar-Sep	-	-	-
	Gull/Tern	G. black-backed gull	Nesting			100-500 Pairs													Apr-Jul	-	-	-
	Gull/Tern	Herring gull	Nesting			1-10 Pairs													Apr-Sep	-	-	-
32	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
	Wading	BC night-heron	Nesting	-/T		50-100 Pairs													Apr-Aug	-	-	-
	Wading	Glossy ibis	Nesting	-/C		10-50 Pairs													Apr-Aug	-	-	-
	Wading	Great egret	Nesting			10-50 Pairs													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	-/C		10-50 Pairs													Apr-Aug	-	-	-
	Gull/Tern	Common tern	Nesting	T/C		1-10 Pairs													May-Sep	-	-	-
	Gull/Tern	G. black-backed gull	Nesting			100-500 Pairs													Apr-Jul	-	-	-
	Gull/Tern	Herring gull	Nesting			500-1000 Pairs													Apr-Sep	-	-	-

**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				
	Passerine	Seaside sparrow	General Distribution	C/-		-													May-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
	Wading	BC night-heron	Nesting	-/T		50-100 Pairs													Apr-Aug	-	-	-
	Wading	Glossy ibis	Nesting	-/C		1-10 Pairs													Apr-Aug	-	-	-
	Wading	Great egret	Nesting			50-100 Pairs													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	-/C		10-50 Pairs													Apr-Aug	-	-	-
34	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
35	Gull/Tern	Common tern	Nesting	T/C		1-10 Pairs													May-Sep	-	-	-
	Shorebird	American oystercatcher	Nesting	-/C		1-5 Pairs													Apr-Aug	-	-	-
36	Gull/Tern	Roseate tern	Migration	E/E	E	1S													-	May	Aug-Sep	-
	Shorebird	American oystercatcher	Migration	-/C		10S													-	-	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	1S													-	Apr-May	Jul-Sep	-
	Shorebird	Sanderling	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
37	Passerine	Seaside sparrow	Nesting	C/-		-													May-Aug	-	-	-
38	Shorebird	Dunlin	Migration			-													-	Apr-May	Aug-Sep	-
	Shorebird	Red knot	Migration	-/E	T	-													-	Apr-May	-	-
	Shorebird	Ruddy turnstone	Migration			-													-	Apr-May	-	-
	Shorebird	Sanderling	Migration	-/C		-													-	Apr-May	-	-
39	Gull/Tern	Common tern	Nesting	T/C		1-10 Pairs													May-Sep	-	-	-
40	Gull/Tern	Least tern	Nesting	T/E		10-50 Pairs													May-Sep	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	5-10 Pairs													Apr-Aug	-	-	-
41	Shorebird	Piping plover	Migration	E/E	T	10S													-	Apr-May	-	-
42	Shorebird	Short-billed dowitcher	Migration			50S													-	-	Aug-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					
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		-													-	-	-	-	-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
526	Wetland	Seabeach amaranth	Vulnerable Occurrence	T/E	T	-													-	-	-	-	-
528	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-	-
	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
529	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
530	Wetland	Rare wetland community	Vulnerable Occurrence			-													-	-	-	-	-
531	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
	Wetland	Rare wetland community	Vulnerable Occurrence			-													-	-	-	-	-

## 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					
623	Insect	Hessel's hairstreak	Vulnerable Occurrence	E/-		-													Apr-May	Apr-May	Apr-May	Jan-Dec	Apr-May
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
627	Insect	Scarlet bluet	Vulnerable Occurrence	T/C		-													-	-	-	-	May-Sep
628	Insect	C. barrens buckmoth	Vulnerable Occurrence	C/-		-													Oct	Oct-Jun	May-Jul	Jan-Dec	Oct
629	Insect	Hessel's hairstreak	Vulnerable Occurrence	E/-		-													Apr-May	Apr-May	Apr-May	Jan-Dec	Apr-May
	Insect	Pine Barrens bluet	Vulnerable Occurrence	T/-		-													May-Jul	May-Jul	May-Feb	-	May-Jul
630	Insect	Pine Barrens bluet	Vulnerable Occurrence	T/-		-													May-Jul	May-Jul	May-Feb	-	May-Jul
631	Bivalve	Atlantic razor	Harvest Area			1123 Bushels/Yr Avg													Apr-May	Apr-May	Apr-May	Jan-Dec	Jan-Dec
	Bivalve	Bay scallop	Harvest Area			31 Bushels/Yr Avg													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Bivalve	Blue mussel	Harvest Area			133 Bushels/Yr Avg													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Bivalve	Eastern oyster	Harvest Area			1436 Bushels/Yr Avg													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			961 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Harvest Area			13 Bushels/Yr Avg													Apr-Sep	Apr-Sep	Apr-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				
678	Pinniped	Seals	Concentration Area			High													-	-	-	-
681	Whale	N.A. right whale	Migration	E/E	E	-													-	-	-	-
682	Pinniped	Gray seal	Haul Out			Few													-	-	-	-
	Pinniped	Harbor seal	Haul Out			50-150													-	-	-	-
	Pinniped	Harp seal	Haul Out			Few													-	-	-	-

## 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	Mergansers	Wintering			1000S													-	-	-	-
		Scaup	Wintering			1000S													-	-	-	-
		Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
		Waterfowl	Wintering			1000S													-	-	-	-



## 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


## 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		94 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		28 Bushels/Yr Avg													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
		Blue mussel	Harvest Area		13 Bushels/Yr Avg													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
		Eastern oyster	Harvest Area		7 Bushels/Yr Avg													Jul-Aug	Jul-Aug	Jul-Sep	Jan-Dec	Jan-Dec
		Northern quahog	Harvest Area		128 Bushels/Yr Avg													Jun-Aug	Jun-Aug	Jun-Sep	Jan-Dec	Jan-Dec
		Softshell clam	Harvest Area		5 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

## MARINE MAMMALS





Monthly Presence																							
	Subelement	Species	Mapping Qualifier	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molt	
	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													-	-	-	-	-

## 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													-	-	-	-
														-	-	-	-
	Passerine													May-Aug	-	-	-
	Pelagic													-	-	-	-
	Wilson's storm-petrel													-	-	-	-
	Wading													Apr-Sep	-	-	-
	Waterfowl													-	-	-	-
	Black scoter													-	-	-	-
	Canada goose													Mar-Jun	-	-	-
	Common eider													-	-	-	-
	Gadwall													May-Sep	-	-	-
	Green-winged teal													May-Aug	-	-	-
	Long-tailed duck													-	-	-	-
	Mallard													Mar-Sep	-	-	-
	Surf scoter													-	-	-	-
	White-winged scoter													-	-	-	-

# FISH

		Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
Subelement	Species	J	F	M	A	M	J	J	A	S	O	N	D					
	Diadromous													-	-	-	Jan-Dec	Feb-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
	Striped bass													-	-	-	Mar-Nov	Mar-Nov
	Striped bass													-	-	-	Apr-Nov	Mar-Nov
	Estuarine Nursery													-	-	-	-	Jun-Dec
	Atlantic croaker													-	-	-	Nov-Apr	Nov-Apr
	Atlantic herring													-	-	-	Nov-May	Nov-May
	Atlantic herring													Sep-Dec	Sep-Dec	Oct-Dec	Oct-Apr	Oct-Apr
	Atlantic menhaden													-	-	-	Apr-Nov	Mar-Nov
	Atlantic menhaden													May-Nov	May-Nov	May-Dec	Jan-Dec	Jan-Dec
	Bay anchovy													May-Jul	May-Jul	May-Dec	Jan-Dec	Jan-Dec
	Bay anchovy													May-Oct	May-Oct	May-Nov	Mar-Nov	Mar-Nov
	Black sea bass													-	-	-	Apr-Nov	Apr-Nov
	Black sea bass													-	-	-	May-Nov	May-Nov
	Bluefish													-	-	-	May-Oct	Apr-Dec
	Bluefish													-	-	-	Jun-Nov	Jun-Nov
	Northern kingfish													May-Aug	Jun-Oct	Jun-Oct	May-Oct	May-Oct
	Northern puffer													-	-	-	Apr-Dec	Apr-Dec
	Scup													-	-	-	May-Nov	May-Nov
	Scup													-	-	-	Sep-Nov	Jun-Nov
	Spot													-	-	-	Apr-Nov	Apr-Nov
	Spot													Sep-Nov	Sep-Nov	Sep-Dec	Apr-Nov	Apr-Nov
	Summer flounder													-	-	-	Apr-Oct	Apr-Oct
	Summer flounder													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	Weakfish													May-Aug	May-Aug	Jun-Aug	May-Nov	Apr-Nov
	Weakfish													Apr-Jun	Apr-Jul	Jun-Nov	Jan-Dec	Jan-Dec
	White perch													Mar-Nov*	Mar-Nov*	Apr-Nov*	Jan-Dec	Jan-Dec
	Windowpane													Apr-Jun	Apr-Jul	Jun-Nov	Jan-Dec	Jan-Dec
	Windowpane													-	-	-	Jan-Dec	Jan-Dec
	Winter flounder													Feb-Apr	Feb-Apr	Mar-Jun	Jan-Dec	Jan-Dec
	Winter flounder													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident													-	-	-	Jan-Apr	Jan-Apr
	Atlantic silverside													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Atlantic silverside													-	-	-	Jan-Apr	Jan-Apr
	Marine Benthic													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Killifish													May-Aug	-	May-Oct	Jan-Dec	Jan-Dec
	Northern pipefish													-	-	-	-	Oct-Jun
	American sand lance													Nov-Feb	Nov-Feb	Dec-Jun	Dec-Jun	Nov-May
	American sand lance													-	-	-	Nov-Apr	-
	Atlantic cod													-	-	-	Nov-Apr	Nov-Apr
	Atlantic cod													-	-	-	Nov-Apr	Nov-Apr





## FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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
	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	Mar-Nov	Mar-Nov
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Jan-Dec
	Winter skate													-	-	-	Sep-May	Sep-Nov
	Marine Pelagic													-	-	-	Jun-Sep	-
	Albacore													-	-	-	Nov-Apr	-
	Atlantic mackerel													-	-	-	Nov-Apr*	Nov-Apr*
	Atlantic mackerel													-	-	-	Jun-Sep	-
	Bluefin tuna													-	-	-	May-Dec	May-Dec
	Butterfish													May-Aug	May-Aug	May-Oct	Jun-Oct	Jun-Oct
	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	-

## REPTILES & AMPHIBIANS

Subelement	Species	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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					
	Bivalve													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec
	Ocean quahog													Jul-Nov	Jul-Nov	Jul-Dec	Jan-Dec	Jan-Dec
	Cephalopod													-	-	-	-	Jan-Dec
	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
	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													-	-	-	-
	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

ESI Rank	Habitat Classification	Area (Acres)	Area (Sq. Miles)
 10A	Salt and Brackish Water Marshes	491.20	0.77
 10B	Freshwater Marshes	3.94	0.01
 10C	Swamps	16.50	0.03
 10D	Scrub and Shrub Wetlands	53.62	0.08
 7	Exposed Tidal Flats	1,527.58	2.39

### ESI SHORELINE HABITAT TYPES

ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
 10A	Salt and Brackish Water Marshes	29,008.51	18.03	18%
 10C	Swamps	62.78	0.04	< 1%
 10D	Scrub and Shrub Wetlands	773.20	0.48	< 1%
 9A	Sheltered Tidal Flats	489.41	0.30	< 1%
 9B	Vegetated Low Banks	33,476.32	20.80	21%
 8B	Sheltered, Solid Man-Made Structures	20,378.22	12.66	13%
 8C	Sheltered Riprap	319.56	0.20	< 1%
 7	Exposed Tidal Flats	31,245.16	19.41	19%
 6A	Gravel Beaches	31.14	0.02	< 1%
 6B	Riprap	3,869.99	2.40	2%
 5	Mixed Sand and Gravel Beaches	1,879.85	1.17	1%
 4	Coarse Grained Sand Beaches	23,125.66	14.37	14%
 3A	Fine to Medium Grained Sand Beaches	1,659.59	1.03	1%
 3B	Scarps and Steep Slopes (Sand)	90.29	0.06	< 1%
 2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	417.48	0.26	< 1%
 1B	Exposed, Solid Man-Made Structures	14,435.94	8.97	9%

Total ESI Shoreline:	161,263.11	Total ESI Shoreline:	100.20
Total Shoreline:	93,680.25	Total Shoreline:	58.21

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)

