













# Map 29D Long Island Sound

## 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	CT/NY		Concentration	Monthly Presence											
				S	F		J	F	M	A	M	J	J	A	S	O	N	D
	SAV	Eelgrass	High Ecological Value			Present												

#### BIRDS

Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
				S	F		J	F	M	A	M	J	J	A	S	O	N	D				
75	Raptor	Northern harrier	General Distribution	E/T		Present												Mar-Aug	-	-	-	-
180	Raptor	Osprey	General Distribution	-/C		Present												Mar-Aug	Mar-Jun	Jul-Nov	-	-
299	Gull/Tern	Least tern	Nesting	T/T		Present												Apr-Aug	-	-	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Present												Mar-Aug	-	-	-	-
	Shorebird	Shorebirds	Concentration Area			Present												-	Jan-Dec	-	-	-
	Wading	Egrets	Nesting			Present												Jan-Dec	-	-	-	-
	Wading	Herons	Concentration Area			Present												Jan-Dec	Jan-Dec	-	-	-
	Wading	Ibises	Concentration Area			Present												May-Jul	Apr-May	Sep-Oct	-	-
	Waterfowl	Greater scaup	Wintering			Present												-	-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			Present												-	-	-	-	-
	Waterfowl	Surf scoter	Wintering			Present												-	-	-	-	-
	Waterfowl	White-winged scoter	Wintering			Present												-	Sep-May	-	-	-
300	Raptor	Osprey	Nesting	-/C		Present												Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Waterfowl	Mallard	Wintering			Present												Mar-Aug	-	-	-	-
	Waterfowl	Scaup	Wintering			Present												-	Mar-Apr	Oct-Nov	-	-
	Waterfowl	Waterfowl	Wintering			Present												-	Jan-Dec	-	-	-
301	Waterfowl	American black duck	Wintering			Present												Apr-May	Mar-Apr	Sep-Nov	-	-
	Waterfowl	Bufflehead	Wintering			Present												-	Oct-Jun	-	-	-
	Waterfowl	Canada goose	Wintering			Present												Mar-Aug	Jan-Dec	-	-	-
	Waterfowl	Common goldeneye	Wintering			Present												-	Nov-Apr	-	-	-
	Waterfowl	Long-tailed duck	Wintering			Present												-	-	-	-	-
384	Raptor	Northern harrier	General Distribution	E/T		Present												Mar-Aug	-	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	4												Mar-Aug	-	-	-	-
386	Diving	Pied-billed grebe	General Distribution	E/T		10S												-	-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		10S												May-Aug	-	-	-	-
387	Shorebird	American oystercatcher	General Distribution	T/-		Present												Mar-Aug	-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		10S												May-Aug	-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		10S												Apr-Aug	-	-	-	-
	Gull/Tern	Roseate tern	General Distribution	E/E	E	10S																

# FISH

Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
				S	F		J	F	M	A	M	J	J	A	S	O	N	D					
710	Estuarine Nursery	Scup	Spawning Area			Common													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Weakfish	Spawning Area			Common													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
	Estuarine Nursery	Winter flounder	Spawning Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
714	Estuarine Nursery	Scup	Nursery Area			Common													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
740	Diadromous	Striped bass	Migration			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bluefish	Migration			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Scup	Migration			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Summer flounder	Migration			Common													-	-	-	Mar-Nov	Mar-Nov

# HABITATS & RARE PLANTS

Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
				S	F		J	F	M	A	M	J	J	A	S	O	N	D					
755	Plant	Scottish licorice-root	Vulnerable Occurrence	E/E		Low													-	-	-	-	-
864	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		Present													-	-	-	-	-
886	Plant	Dwarf saltwort	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
	Plant	Goose tongue	Vulnerable Occurrence	-/T		25													-	-	-	-	-
	Plant	Pennsylvania catchfly	Vulnerable Occurrence	-/T		100 - 200													-	-	-	-	-
	Plant	Slender seapurslane	Vulnerable Occurrence	-/E		25													-	-	-	-	-
897	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		300													-	-	-	-	-
	Plant	Pennsylvania catchfly	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
	Plant	Pine barren flatsedge	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
908	Plant	Texan flatsedge	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		Present													-	-	-	-	-
	Plant	American burnweed	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
911	Plant	Fernald's sedge	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
	Plant	Great Plains flatsedge	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
	Plant	Rare plant	Vulnerable Occurrence	-/E		Abundant													-	-	-	-	-

# REPTILES & AMPHIBIANS

Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
				S	F		J	F	M	A	M	J	J	A	S	O	N	D					
962	Turtle	Diamondback terrapin	Vulnerable Occurrence	C/-		Present													Jun-Jul	Aug-Oct	-	Jan-Dec	Jan-Dec
971	Turtle	Green sea turtle	Vulnerable Occurrence	T/T	T	Present													-	-	-	Jun-Nov	-
	Turtle	K. ridley sea turtle	Vulnerable Occurrence	E/E	E	Present													-	-	-	Jun-Nov	-
	Turtle	Loggerhead sea turtle	Vulnerable Occurrence	T/T	E	Present													-	-	-	Jun-Nov	-
975	Turtle	K. ridley sea turtle	Vulnerable Occurrence	E/E	E	Present													-	-	-	Jun-Nov	-
	Turtle	Loggerhead sea turtle	Vulnerable Occurrence	T/T	E	Present													-	-	-	Jun-Nov	-

## INVERTEBRATES






Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
				S	F		J	F	M	A	M	J	J	A	S	O	N	D					
1020	Bivalve	Bay scallop	Harvest Area			Moderate													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			Moderate													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Gastropod	Channeled whelk	Harvest Area			Low													Sep-Nov	Sep-Nov	-	Jan-Dec	Jan-Dec

## MARINE MAMMALS



Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Mating	Calving	Pupping	Molt
				S	F		J	F	M	A	M	J	J	A	S	O	N	D				
1047	Dolphin	Bottlenose dolphin	Concentration Area			Varies												-	-	-	-	-
	Dolphin	Harbor porpoise	Concentration Area	C/C		Present												-	-	-	-	-
	Pinniped	Harbor seal	Concentration Area			Varies												-	-	-	-	-

WIDESPREAD IN MAPPED AREA ( > 10 SQUARE KILOMETERS )




## BIRDS

	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
				S	F		J	F	M	A	M	J	J	A	S	O	N	D				
	Diving	Common loon	General Distribution	C/C		10S													-	-	-	-
		Common loon	General Distribution	C/C		6													-	-	-	-
		Pied-billed grebe	General Distribution	E/T		5													-	-	-	-
	Gull/Tern	Black skimmer	General Distribution	-/C		Present													Mar-Aug	-	-	-
		Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
		Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
		Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
	Passerine	Seaside sparrow	General Distribution	T/C		Present													May-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
	Wading	Little blue heron	General Distribution	C/-		Present													Apr-Aug	-	-	-
		Snowy egret	General Distribution	T/-		Present													Mar-Aug	-	-	-


## FISH

	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
				S	F		J	F	M	A	M	J	J	A	S	O	N	D					
	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
		Alewife	Nursery Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
		American eel	Migration			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American shad	Nursery Area			Common													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
		Blueback herring	Migration	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
		Striped bass	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic herring	Nursery Area			Common													-	-	Mar-May	Jan-Dec	Jan-Dec
		Atlantic menhaden	Nursery Area			Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
		Atlantic menhaden	Nursery Area			Common													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
		Bay anchovy	Nursery Area			Abundant													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
		Bay anchovy	Nursery Area			Common													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
		Black sea bass	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
		Black sea bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
		Bluefish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov




**FISH (continued)**

Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
			S	F		J	F	M	A	M	J	J	A	S	O	N	D					
	Bluefish	Nursery Area			Abundant													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Northern kingfish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Apr-Nov	Apr-Nov
	Scup	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Summer flounder	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Weakfish	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
	Weakfish	Nursery Area			Abundant													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
	Windowpane	Nursery Area			Common													Apr-Oct	Apr-Oct	May-Nov	Jan-Dec	Jan-Dec
	Winter flounder	Nursery Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Atlantic silverside	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Northern pipefish	Nursery Area			Common													Apr-Aug	-	May-Sep	Jan-Dec	Jan-Dec
	Oyster toadfish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Jan-Dec	Jan-Dec
	Little skate	Nursery Area			Abundant													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
	Little skate	Nursery Area			Common													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
	Northern searobin	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
	Red hake	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Silver hake	Nursery Area			Common													-	-	May-Oct	Mar-Nov	Mar-Nov
	Smooth dogfish	Nursery Area			Common													-	-	-	May-Oct	May-Oct
	Spotted hake	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Striped searobin	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Jan-Dec	Jan-Dec
	Atlantic mackerel	Nursery Area			Common													Apr-Jun	Apr-Jun	Apr-Jun	Apr-Nov	Apr-Nov
	Butterfish	Nursery Area			Abundant													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
	Butterfish	Nursery Area			Common													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec



**REPTILES & AMPHIBIANS**

Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
			S	F		J	F	M	A	M	J	J	A	S	O	N	D					
	Green sea turtle	General Distribution	T/T	T	Present													-	-	-	Jun-Nov	-
	K. ridley sea turtle	General Distribution	E/E	E	Present													-	-	-	Jun-Nov	-
	Loggerhead sea turtle	General Distribution	T/T	E	Present													-	-	-	Jun-Nov	-

**INVERTEBRATES**








Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
			S	F		J	F	M	A	M	J	J	A	S	O	N	D					
	Bay scallop	Harvest Area			Low													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Eastern oyster	Harvest Area			Low													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Northern quahog	Harvest Area			High													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Softshell clam	Harvest Area			Low													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Horseshoe crab	Nursery Area			Common													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	American lobster	Nursery Area			Common													Jun-Nov	Jan-Dec	May-Aug	Jan-Dec	Jan-Dec

# MARINE MAMMALS

	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Mating	Calving	Pupping	Molt
				S	F		J	F	M	A	M	J	J	A	S	O	N	D				
	Dolphin	Harbor porpoise	General Distribution	C/C		Present													-	-	-	-
	Whale	N.A. right whale	General Distribution	-/E	E	Present													-	-	-	-

## 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	Razorbill													-	-	-	-
	Diving	D. crested cormorant													Mar-Aug	-	-	-
		Great cormorant													-	-	-	-
		Horned grebe													-	-	-	-
		Red-throated loon													-	-	-	-
	Gull/Tern	Bonaparte's gull													-	-	-	-
		G. black-backed gull													Mar-Aug	-	-	-
		Herring gull													Mar-Aug	-	-	-
		Laughing gull													Apr-Aug	-	-	-
		Ring-billed gull													-	-	-	-
	Passerine	Acadian flycatcher													Jun-Jul	May-Jun	Aug-Sep	-
	Pelagic	Black-legged kittiwake													-	-	-	-
		Cory's shearwater													-	Jun-Nov	-	-
		Northern gannet													-	-	-	-
		Wilson's storm-petrel													-	-	-	-
	Shorebird	Black-bellied plover													-	Aug-May	-	-
		Dunlin													-	Apr-May	Oct-Nov	-
		Greater yellowlegs													-	May-Jun	Sep-Oct	-
		Killdeer													Mar-Aug	-	-	-
		Lesser yellowlegs													-	Apr-Jun	Aug-Oct	-
		Ruddy turnstone													-	Mar-May	Aug-Nov	-
		Sanderling													-	Sep-Jun	-	-
		Semipalmated plover													-	Apr-Jun	Sep-Nov	-
		Semipalmated sandpiper													-	-	Jul-Oct	-
		Spotted sandpiper													-	Apr-Jun	Jul-Oct	-
		Willet													Apr-Aug	-	-	-
	Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
		American coot													-	-	-	-
		American wigeon													-	-	-	-
		Black brant													-	May	Oct	-
		Black scoter													-	-	-	-
		Blue-winged teal													-	Mar-May	Sep-Nov	-
		Bufflehead													-	Oct-Jun	-	-
		Canada goose													Mar-Aug	Jan-Dec	-	-
		Canvasback													-	-	-	-
		Common eider													Sep-May	-	-	-
		Common goldeneye													-	Nov-Apr	-	-





## BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Common merganser													-	-	-	-
	Eurasian wigeon													-	-	-	-
	Gadwall													Jan-Dec	-	-	-
	Greater scaup													-	-	-	-
	Green-winged teal													-	Mar-Apr	Sep-Oct	-
	Hooded merganser													-	-	-	-
	Lesser scaup													-	-	-	-
	Long-tailed duck													-	-	-	-
	Mallard													Mar-Aug	-	-	-
	Mute swan													Mar-Sep	-	-	-
	Northern pintail													-	-	-	-
	Northern shoveler													-	-	-	-
	Red-breasted merganser													-	-	-	-
	Redhead													-	Nov-Mar	-	-
	Ring-necked duck													-	-	-	-
	Ruddy duck													-	-	-	-
	Scaup													-	Mar-Apr	Oct-Nov	-
	Scoters													-	Apr-May	Sep-Nov	-
	Surf scoter													-	-	-	-
	White-winged scoter													-	Sep-May	-	-
	Wood duck													Mar-Aug	-	-	-



## FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	American sand lance													Nov-Mar	Nov-Mar	Dec-Jun	Jan-Dec	Jan-Dec
	Cunner													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec

## INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Ribbed mussel													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Longfin squid													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Blue crab													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
	Fiddler crab													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Horseshoe crab													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	Jonah crab													Nov-Jun	May-Nov	Jun-Oct	Jan-Dec	Jan-Dec
	Lady crab													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Spider crabs													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
	Grass shrimp													May-Oct	May-Oct	May-Oct	May-Oct	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													-	-	-	-
	Pinniped	Gray seal													-	-	-	-
		Harbor seal													-	-	-	-










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

	<i>ESI Rank</i>	<i>Habitat Classification</i>	<i>Area (Acres)</i>	<i>Area (Sq. Miles)</i>
	10A	Salt and Brackish Water Marshes	343.89	0.54
	10B	Freshwater Marshes	41.76	0.07
	10C	Swamps	23.67	0.04
	10D	Scrub and Shrub Wetlands	52.60	0.08
	7	Exposed Tidal Flats	28.99	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	26,492.57	16.46	30%
	10D	Scrub and Shrub Wetlands	1,349.06	0.84	2%
	9B	Vegetated Low Banks	32,238.49	20.03	37%
	8B	Sheltered, Solid Man-Made Structures	1,591.19	0.99	2%
	8C	Sheltered Riprap	165.77	0.10	< 1%
	7	Exposed Tidal Flats	4,783.22	2.97	5%
	6A	Gravel Beaches	3,972.80	2.47	5%
	6B	Riprap	3,530.63	2.19	4%
	5	Mixed Sand and Gravel Beaches	11,316.30	7.03	13%
	4	Coarse Grained Sand Beaches	1,453.81	0.90	2%
	3B	Scarps and Steep Slopes (Sand)	676.08	0.42	1%
	1B	Exposed, Solid Man-Made Structures	618.92	0.38	1%

Total ESI Shoreline:	88,188.82	Total ESI Shoreline:	54.80
Total Shoreline:	53,985.45	Total Shoreline:	33.55

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)

