



# Map 6D 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				
13	Shorebird	American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-
42	Shorebird	American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	T/-		Abundant													Mar-Aug	-	-	-
	Wading	Glossy ibis	Nesting	C/-		Abundant													Mar-Aug	-	-	-
	Wading	Great egret	Nesting	T/-		Abundant													Mar-Aug	-	-	-
	Wading	Little blue heron	Nesting	C/-		Abundant													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	T/-		Abundant													Mar-Aug	-	-	-
43	Gull/Tern	Common tern	Nesting	E/T		Abundant													May-Aug	-	-	-
	Gull/Tern	Least tern	Nesting	T/T		Abundant													Apr-Aug	-	-	-
	Gull/Tern	Roseate tern	Concentration Area	E/E	E	Abundant													May-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	T/-		Abundant													Mar-Aug	-	-	-
	Shorebird	Black-bellied plover	Migration			Abundant													-	Aug-May	-	-
	Shorebird	Dunlin	Migration			Abundant													-	Apr-May	Oct-Nov	-
	Shorebird	Piping plover	Nesting	T/E	T	Abundant													Mar-Aug	-	-	-
	Shorebird	Sanderling	Migration			Abundant													-	Sep-Jun	-	-
	Shorebird	Semipalmated plover	Migration			Abundant													-	Apr-Jun	Sep-Nov	-
	Shorebird	Semipalmated sandpiper	Migration			Low													-	-	Jul-Oct	-
	Shorebird	Shorebirds	Migration			Abundant													-	Jan-Dec	-	-
44	Passerine	Saltmarsh sparrow	Concentration Area			Present													May-Aug	-	-	-
	Raptor	Osprey	General Distribution	-/C		6													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	Shorebirds	Migration			Present													-	Jan-Dec	-	-
	Wading	Clapper rail	Concentration Area			Present													Mar-Aug	-	-	-
	Wading	Glossy ibis	General Distribution	C/-		Present													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		8													Mar-Aug	-	-	-
	Wading	Little blue heron	General Distribution	C/-		2													Apr-Aug	-	-	-
	Wading	Snowy egret	General Distribution	T/-		7													Mar-Aug	-	-	-
	Wading	Wading birds	Concentration Area			Present													Jan-Dec	-	-	-
45	Passerine	Saltmarsh sparrow	Concentration Area			Present													May-Aug	-	-	-
	Wading	Clapper rail	Concentration Area			Present													Mar-Aug	-	-	-
	Wading	Egrets	Concentration Area			Present													Jan-Dec	-	-	-
	Wading	Glossy ibis	Concentration Area	C/-		Present													Mar-Aug	-	-	-

**BIRDS (continued)**

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				
46	Wading	Little blue heron	Concentration Area	C/-		Present													Apr-Aug	-	-	-
	Waterfowl	Dabbling ducks	Wintering			Present													-	Jan-Dec	-	-
	Waterfowl	Diving ducks	Concentration Area			Present													-	-	-	-
	Diving	Diving birds	Concentration Area			Abundant													-	-	-	-
	Diving	Grebes	Concentration Area			Present													-	Jan-Dec	-	-
	Diving	Loons	Concentration Area			Present													-	Apr-May	Oct-Nov	-
	Gull/Tern	Least tern	Nesting	T/T		Abundant													Apr-Aug	-	-	-
	Gull/Tern	Roseate tern	Concentration Area	E/E	E	Abundant													May-Aug	-	-	-
	Passerine	Saltmarsh sparrow	Concentration Area			Abundant													May-Aug	-	-	-
	Passerine	Seaside sparrow	General Distribution	T/C		3													May-Aug	-	-	-
	Passerine	Seaside sparrow	Nesting	T/C		Abundant													May-Aug	-	-	-
	Pelagic	Northern gannet	Concentration Area			Low													-	-	-	-
	Raptor	Osprey	General Distribution	-/C		10S													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	American oystercatcher	Nesting	T/-		Abundant													Mar-Aug	-	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Abundant													Mar-Aug	-	-	-
	Shorebird	Shorebirds	Migration			Abundant													-	Jan-Dec	-	-
	Wading	Clapper rail	Concentration Area			Present													Mar-Aug	-	-	-
	Wading	Glossy ibis	General Distribution	C/-		Present													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		2													Mar-Aug	-	-	-
	Wading	Ibises	Nesting			Abundant													May-Jul	Apr-May	Sep-Oct	-
	Wading	Snowy egret	General Distribution	T/-		3													Mar-Aug	-	-	-
	Wading	Wading birds	Nesting			Abundant													Jan-Dec	-	-	-
	Waterfowl	Scoters	Concentration Area			Low													-	Apr-May	Sep-Nov	-
	47 Raptor	Osprey	General Distribution	-/C		8													Mar-Aug	Mar-Jun	Jul-Nov	-
	Wading	Glossy ibis	General Distribution	C/-		10S													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		4													Mar-Aug	-	-	-
	Wading	Snowy egret	General Distribution	T/-		4													Mar-Aug	-	-	-
	Wading	YC night-heron	General Distribution	C/-		Present													Mar-Aug	-	-	-

**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					
445	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
517	Estuarine Nursery	Hogchoker	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
518	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
519	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Resident	Striped killifish	Nursery Area			Abundant													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec

## HABITATS & RARE PLANTS

Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence											
				S	F		J	F	M	A	M	J	J	A	S	O	N	D
756	Plant	Eastern grasswort	Vulnerable Occurrence	C/T		Present												-
783	Plant	Estuary pipewort	Vulnerable Occurrence	E/-		Present												-
800	Plant	Welsh mudwort	Vulnerable Occurrence	C/-		Present												-

## 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					
987	Bivalve	Eastern oyster	Concentration Area			Present													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec

## TERRESTRIAL MAMMALS



Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence											
				S	F		J	F	M	A	M	J	J	A	S	O	N	D
1049	Bat	Silver-haired bat	Vulnerable Occurrence	C/-		Present												-
1051	Bat	Eastern red bat	Vulnerable Occurrence	C/-		Present												-
1052	Bat	Hoary bat	Vulnerable Occurrence	C/-		Present												-

## 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		6													-	-	-	-
	Gull/Tern	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													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
		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
		Bluefish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
		Scup	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-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					
	Summer flounder	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Weakfish	Nursery Area			Common													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
 Estuarine Resident	Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
 Marine Benthic	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
	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
 Marine Pelagic	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


## 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					
 Turtle	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					
 Lobster	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													-	-	-	-	-

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	-	-	-
		Horned grebe													-	-	-	-
		Red-throated loon													-	-	-	-
	Gull/Tern	Bonaparte's gull													-	-	-	-
		G. black-backed gull													Mar-Aug	-	-	-
		Herring gull													Mar-Aug	-	-	-
		Ring-billed gull													-	-	-	-
	Landfowl	Wild turkey													Mar-Nov	-	-	-
	Passerine	Acadian flycatcher													Jun-Jul	May-Jun	Aug-Sep	-
		American crow													Mar-Aug	-	-	-
		American goldfinch													Mar-Aug	-	-	-
		American robin													Mar-Aug	-	-	-
		Baltimore oriole													Apr-Aug	-	-	-
		Barn Swallow													Apr-Aug	-	-	-
		Black-capped chickadee													Mar-Aug	-	-	-
		Blue jay													Apr-Aug	Mar-May	Sep-Oct	-
		Chimney swift													Jun-Jul	Apr-May	Aug-Sep	-
		Common grackle													Mar-Aug	-	-	-
		Common yellowthroat													Apr-Aug	-	-	-
		European starling													Mar-Aug	-	-	-
		House finch													Mar-Aug	-	-	-
		House sparrow													Mar-Aug	-	-	-
		Marsh wren													Apr-Aug	-	-	-
		Mourning dove													Mar-Aug	-	-	-
		N. r.-winged swallow													Apr-Aug	-	-	-
		Northern cardinal													Mar-Aug	-	-	-
		Northern mockingbird													Mar-Aug	-	-	-
		Red-winged blackbird													Mar-Aug	-	-	-
		Saltmarsh sparrow													May-Aug	-	-	-
		Song sparrow													Mar-Aug	-	-	-
		Tree swallow													Mar-Aug	-	-	-
		Yellow warbler													Apr-Aug	-	-	-
	Pelagic	Black-legged kittiwake													-	-	-	-
		Northern gannet													-	-	-	-
	Shorebird	Black-bellied plover													-	Aug-May	-	-
		Greater yellowlegs													-	May-Jun	Sep-Oct	-
		Least sandpiper													-	Apr-Jun	Aug-Oct	-
		Lesser yellowlegs													-	Apr-Jun	Aug-Oct	-
		Willet													Apr-Aug	-	-	-
	Wading	BC night-heron													Mar-Aug	-	-	-
		Clapper rail													Mar-Aug	-	-	-



## 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	Great blue heron													Mar-Aug	-	-	-
	Virginia rail													Mar-Aug	-	-	-
	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
	Blue-winged teal													-	Mar-May	Sep-Nov	-
	Bufflehead													-	Oct-Jun	-	-
	Canada goose													Mar-Aug	Jan-Dec	-	-
	Common eider													Sep-May	-	-	-
	Common goldeneye													-	Nov-Apr	-	-
	Common merganser													-	-	-	-
	Gadwall													Jan-Dec	-	-	-
	Greater scaup													-	-	-	-
	Green-winged teal													-	Mar-Apr	Sep-Oct	-
	Lesser scaup													-	-	-	-
	Mallard													Mar-Aug	-	-	-
	Mute swan													Mar-Sep	-	-	-
	Red-breasted merganser													-	-	-	-
	Surf scoter													-	-	-	-

## INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Bivalve	Eastern oyster													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Ribbed mussel													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
 Cephalopod	Longfin squid													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
 Crab	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
	Spider crabs													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
 Shrimp	Grass shrimp													May-Oct	May-Oct	May-Oct	May-Oct	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													-	-	-	-
 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	499.01	0.78
	10B	Freshwater Marshes	54.17	0.08
	10C	Swamps	783.98	1.22
	10D	Scrub and Shrub Wetlands	111.22	0.17
	7	Exposed Tidal Flats	385.69	0.60

### 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	40,162.16	24.96	34%
	10B	Freshwater Marshes	784.51	0.49	1%
	10C	Swamps	696.83	0.43	1%
	10D	Scrub and Shrub Wetlands	312.32	0.19	< 1%
	9B	Vegetated Low Banks	32,153.27	19.98	27%
	8B	Sheltered, Solid Man-Made Structures	8,680.35	5.39	7%
	8C	Sheltered Riprap	3,471.03	2.16	3%
	7	Exposed Tidal Flats	8,987.91	5.58	8%
	6A	Gravel Beaches	177.15	0.11	< 1%
	6B	Riprap	6,082.29	3.78	5%
	5	Mixed Sand and Gravel Beaches	2,164.53	1.34	2%
	4	Coarse Grained Sand Beaches	1,463.39	0.91	1%
	3A	Fine to Medium Grained Sand Beaches	7,706.11	4.79	6%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	1,008.11	0.63	1%
	1B	Exposed, Solid Man-Made Structures	5,899.97	3.67	5%

Total ESI Shoreline:	119,749.92	Total ESI Shoreline:	74.41
Total Shoreline:	81,158.18	Total Shoreline:	50.43

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)

