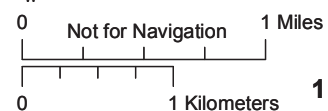


Map 27A
Long Island Sound



SEE BACK OF MAP
for details about mapped species and
other species that occur in mapped area.
Data Published: September 2016



1:50,000



Map 27A
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

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				
173	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
299	Diving	Common loon	General Distribution	C/C		10S													-	-	-	-
	Diving	Pied-billed grebe	General Distribution	E/T		5													-	-	-	-
	Gull/Tern	Black skimmer	General Distribution	-/C		Present													Mar-Aug	-	-	-
300	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	-	-
301	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	-	-
302	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													-	-	-	-
303	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	6													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					
494	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
545	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
695	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
710	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Nursery	Bay anchovy	Nursery Area			Abundant													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Nursery	Black sea bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Hogchoker	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec

FISH (continued)

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					
	Estuarine Nursery	Northern kingfish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Apr-Nov	Apr-Nov
	Estuarine Nursery	Northern puffer	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Nursery	Summer flounder	Nursery Area			Abundant													-	-	-	Mar-Nov	Mar-Nov
	Estuarine Nursery	Weakfish	Nursery Area			Abundant													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
	Estuarine Nursery	Winter flounder	Spawning Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Fourspine stickleback	Nursery Area			Common													Apr-Jul	Apr-Jul	May-Aug	May-Dec	Jan-Dec
	Estuarine Resident	Northern pipefish	Nursery Area			Common													Apr-Aug	-	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Oyster toadfish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Marine Benthic	Cunner	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	Marine Pelagic	Butterfish	Nursery Area			Common													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
711	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

HABITATS & RARE PLANTS

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					
756	Plant	Scottish licorice-root	Vulnerable Occurrence	E/E		Low													-	-	-	-	-
865	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		Present													-	-	-	-	-
877	Plant	Slender crabgrass	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
878	Plant	Saltmarsh aster	Vulnerable Occurrence	-/T		100													-	-	-	-	-
	Plant	Scottish licorice-root	Vulnerable Occurrence	E/E		50													-	-	-	-	-

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					
963	Turtle	Diamondback terrapin	Vulnerable Occurrence	C/-		Present													Jun-Jul	Aug-Oct	-	Jan-Dec	Jan-Dec
972	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	-

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					
1019	Bivalve	Bay scallop	Harvest Area			Moderate													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Bivalve	Eastern oyster	Harvest Area			Low													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			Moderate													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Harvest Area			Low													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Crab	Horseshoe crab	Nursery Area			Common													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	Gastropod	Channeled whelk	Harvest Area			Low													Sep-Nov	Sep-Nov	-	Jan-Dec	Jan-Dec

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
 Estuarine Nursery	Striped bass	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	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
	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
	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

				CT/NY		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			
	Dolphin	Harbor porpoise	General Distribution	C/C		Present	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	-	-	-	-	-		
	Whale	N.A. right whale	General Distribution	-/E	E	Present	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	-	-	-	-	-		

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												-	-	-	-
	Passerine	Acadian flycatcher												Jun-Jul	May-Jun	Aug-Sep	-
	Pelagic	Black-legged kittiwake												-	-	-	-
		Northern gannet												-	-	-	-
	Waterfowl	American black duck												Apr-May	Mar-Apr	Sep-Nov	-
		American coot												-	-	-	-
		American wigeon												-	-	-	-
		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	-	-
		Common merganser												-	-	-	-
		Eurasian wigeon												-	-	-	-
		Greater scaup												-	-	-	-

BIRDS (continued)

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

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
	Lady crab													Jun-Sep	Jun-Sep	Jun-Sep	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

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	30.68	0.05
	10B	Freshwater Marshes	4.28	0.01
	10C	Swamps	0.54	0.00
	10D	Scrub and Shrub Wetlands	0.67	0.00
	9A	Sheltered Tidal Flats	38.56	0.06
	7	Exposed Tidal Flats	1.56	0.00

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	5,437.78	3.38	14%
	10D	Scrub and Shrub Wetlands	7.60	0.00	< 1%
	9A	Sheltered Tidal Flats	5,094.48	3.17	13%
	9B	Vegetated Low Banks	9,057.73	5.63	23%
	8B	Sheltered, Solid Man-Made Structures	1,584.44	0.98	4%
	8C	Sheltered Riprap	75.51	0.05	< 1%
	7	Exposed Tidal Flats	162.36	0.10	< 1%
	6A	Gravel Beaches	1,208.66	0.75	3%
	6B	Riprap	2,376.90	1.48	6%
	5	Mixed Sand and Gravel Beaches	8,640.31	5.37	22%
	4	Coarse Grained Sand Beaches	2,989.18	1.86	8%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	545.65	0.34	1%
	1B	Exposed, Solid Man-Made Structures	2,004.57	1.25	5%

Total ESI Shoreline:	39,185.17	Total ESI Shoreline:	24.35
Total Shoreline:	25,867.22	Total Shoreline:	16.07

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

