

Map 24B
Long Island Sound



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

0 Not for Navigation 1 Miles
0 1 Kilometers

1:50,000



Map 24B
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				
10	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
257	Gull/Tern	Roseate tern	Concentration Area	E/E	E	Present													May-Aug	-	-	-
258	Gull/Tern	Least tern	General Distribution	T/T		10S													Apr-Aug	-	-	-
	Gull/Tern	Least tern	Nesting	T/T		Present													Apr-Aug	-	-	-
	Passerine	Red-winged blackbird	Nesting			Present													Mar-Aug	-	-	-
	Passerine	Swamp sparrow	Nesting			Present													Mar-Aug	-	-	-
	Raptor	Northern harrier	Concentration Area	E/T		Present													Mar-Aug	-	-	-
	Raptor	Osprey	Concentration Area	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	Piping plover	General Distribution	T/E	T	6													Mar-Aug	-	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Present													Mar-Aug	-	-	-
	Shorebird	Shorebirds	Concentration Area			Present													-	Jan-Dec	-	-
	Wading	Green heron	Nesting			Present													Apr-Aug	-	-	-
	Wading	Hérons	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Waterfowl	Canada goose	Nesting			Present													Mar-Aug	Jan-Dec	-	-
	Waterfowl	Mallard	Nesting			Present													Mar-Aug	-	-	-
	Waterfowl	Waterfowl	Concentration Area			Present													-	Jan-Dec	-	-
259	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Raptor	Northern harrier	General Distribution	E/T		Present													Mar-Aug	-	-	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Wading	American bittern	General Distribution	E/C		Present													Mar-Aug	-	-	-
260	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Raptor	Northern harrier	General Distribution	E/T		Present													Mar-Aug	-	-	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
	Wading	American bittern	General Distribution	E/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					
693	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Marine Benthic	American sand lance	Nursery Area			Abundant													Nov-Mar	Nov-Mar	Dec-Jun	Jan-Dec	Jan-Dec
694	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
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

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
860	Plant	Black edge sedge	Vulnerable Occurrence	-/T		1300												
	Plant	Eastern grasswort	Vulnerable Occurrence	C/T		Highly Abundant												
	Plant	Goose tongue	Vulnerable Occurrence	-/T		Present												
	Plant	H. sm-leaf ticktrefoil	Vulnerable Occurrence	-/T		40												
	Plant	Low frostweed	Vulnerable Occurrence	E/T		1000S												
	Plant	Reznicek's sedge	Vulnerable Occurrence	-/E		610												
	Plant	Saltmarsh aster	Vulnerable Occurrence	-/T		120												
	Plant	Silverweed cinquefoil	Vulnerable Occurrence	-/T		550												
	Plant	Sm. false foxglove	Vulnerable Occurrence	-/T		Highly Abundant												
	Plant	Stiff ticktrefoil	Vulnerable Occurrence	-/E		Present												
	Plant	Velvety bush-clover	Vulnerable Occurrence	-/T		150												
	Wetland	Northern gamma grass	Vulnerable Occurrence	-/T		1000S												
861	Plant	Clustered bluets	Vulnerable Occurrence	-/E		1000S												
	Plant	Hyssopleaf hedgenettle	Vulnerable Occurrence	-/T		150												
	Plant	Longbeak beaksedge	Vulnerable Occurrence	-/C		Present												
	Plant	Pink tickseed	Vulnerable Occurrence	-/C		1000S												
	Plant	Shortbeak beaksedge	Vulnerable Occurrence	-/T		100												
	Plant	Slender arrowhead	Vulnerable Occurrence	-/E		100												
862	Wetland	Spikerushes	Vulnerable Occurrence	E/E		200 - 400												
	FAV	Small floating bladderwort	Vulnerable Occurrence	-/T		Present												
	Plant	Carey's smartweed	Vulnerable Occurrence	-/E		Present												
	Plant	Clustered bluets	Vulnerable Occurrence	-/E		100 - 200												
	Plant	Dwarf bulrush	Vulnerable Occurrence	-/E		100S												
	Plant	H. sm-leaf ticktrefoil	Vulnerable Occurrence	-/T		6												
	Plant	Hyssopleaf hedgenettle	Vulnerable Occurrence	-/T		20												
	Plant	Narrowleaf lespedeza	Vulnerable Occurrence	-/T		30 - 50												
	Plant	Narrowleaf pinweed	Vulnerable Occurrence	-/T		100 - 200												
	Plant	Pink tickseed	Vulnerable Occurrence	-/C		Present												
	Plant	White boneset	Vulnerable Occurrence	-/T		35												
	Wetland	Spikerushes	Vulnerable Occurrence	E/E		300 - 500												

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					
967	Amphibian	Rare amphibian	Vulnerable Occurrence	-/E		Present													Mar-Apr	May	-	Jan-Dec	Jan-Dec
970	Turtle	K. ridley sea turtle	Vulnerable Occurrence	E/E	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					
990	Crab	Horseshoe crab	Nursery Area			Common													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
997	Crab	Horseshoe crab	Spawning Area			Present													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
1007	Insect	C. barrens buckmoth	Vulnerable Occurrence	-/C		Present													-	-	-	-	Jan-Dec
	Insect	Frosted elfin	Vulnerable Occurrence	-/T		Present													Apr-May	Apr-May	Jun	Jul-Mar	Apr-Jun
1010	Insect	C. barrens buckmoth	Vulnerable Occurrence	-/C		Present													-	-	-	-	Jan-Dec
	Insect	Little bluet	Vulnerable Occurrence	-/T		Present													May-Jul	-	-	-	Jun-Aug
	Insect	Pine Barrens bluet	Vulnerable Occurrence	-/T		Present													Apr-Jul	-	-	-	May-Jul
	Insect	Scarlet bluet	Vulnerable Occurrence	-/T		Present													Jun-Jul	-	-	-	Jun-Jul
1011	Crab	Blue crab	Nursery Area			Common													May-Sep	May-Sep	May-Sep	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				
1038	Pinniped	Harbor seal	Haul Out			Varies (3 - 30)													-	-	-	-

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													-	-	-	-
	Shorebird	American oystercatcher	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			Abundant													-	-	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
		Hogchoker	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		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			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
	Estuarine Resident	Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Fish	Atlantic moonfish	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec

FISH (continued)

	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>CT/NY</i>		<i>Concentration</i>	<i>Monthly Presence</i>												<i>Spawn</i>	<i>Eggs</i>	<i>Larvae</i>	<i>Juveniles</i>	<i>Adults</i>
				<i>S</i>	<i>F</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>					
	Marine Benthic	Cunner	Nursery Area			Common													May-Aug	May-Aug	May-Aug	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

	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>CT/NY</i>		<i>Concentration</i>	<i>Monthly Presence</i>												<i>Nest</i>	<i>Hatch</i>	<i>Internest</i>	<i>Juveniles</i>	<i>Adults</i>
				<i>S</i>	<i>F</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	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





	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>CT/NY</i>		<i>Concentration</i>	<i>Monthly Presence</i>												<i>Spawn</i>	<i>Eggs</i>	<i>Larvae</i>	<i>Juveniles</i>	<i>Adults</i>
				<i>S</i>	<i>F</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>					
	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>								-	-	-	-	-

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)



BIRDS

			Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt		
	Subelement	Species	J	F	M	A	M	J	J	A	S	O	N	D						
	Alcid	Razorbill														-	-	-	-	-
	Diving	Horned grebe														-	-	-	-	-
		Red-throated loon														-	-	-	-	-
	Gull/Tern	G. black-backed gull														Mar-Aug	-	-	-	-
		Herring gull														Mar-Aug	-	-	-	-
		Ring-billed gull														-	-	-	-	-
	Passerine	Acadian flycatcher														Jun-Jul	May-Jun	Aug-Sep	-	-
		Kentucky warbler														-	May	-	-	-
		Red-winged blackbird														Mar-Aug	-	-	-	-
		Swamp sparrow														Mar-Aug	-	-	-	-






BIRDS (continued)

	<i>Subelement</i>	<i>Species</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>				
	Pelagic	Northern gannet													-	-	-	-
	Wading	Clapper rail													Mar-Aug	-	-	-
		Green heron													Apr-Aug	-	-	-
		Virginia rail													Mar-Aug	-	-	-
	Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
		Black scoter													-	-	-	-
		Bufflehead													-	Oct-Jun	-	-
		Canada goose													Mar-Aug	Jan-Dec	-	-
		Canvasback													-	-	-	-
		Common goldeneye													-	Nov-Apr	-	-
		Gadwall													Jan-Dec	-	-	-
		Greater scaup													-	-	-	-
		Lesser scaup													-	-	-	-
		Long-tailed duck													-	-	-	-
		Mallard													Mar-Aug	-	-	-
		Mute swan													Mar-Sep	-	-	-
		Northern shoveler													-	-	-	-
		Red-breasted merganser													-	-	-	-
		Ring-necked duck													-	-	-	-
		Ruddy duck													-	-	-	-
		Surf scoter													-	-	-	-
		White-winged scoter													-	Sep-May	-	-




FISH

	<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>					
	Diadromous	Brown trout													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
		Rainbow trout													-	-	-	Jan-Dec	Jan-Dec
	Freshwater	Black crappie													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Bluegill													May-Jun	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
		Brown bullhead													May-Jul	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
		Chain pickerel													Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec
		Largemouth bass													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
		Pumpkinseed													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Yellow perch													Mar-May	Mar-May	Mar-Aug	Jan-Dec	Jan-Dec

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 surfclam													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Northern quahog													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	Atlantic rock crab													May-Oct	Jan-Dec	May-Oct	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
	Shrimp	Mantis shrimp													Feb-May	Feb-May	Feb-May	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													-	-	-	-
	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	173.75	0.27
	10B	Freshwater Marshes	1.66	0.00
	10C	Swamps	0.20	0.00
	10D	Scrub and Shrub Wetlands	6.58	0.01

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	4,213.10	2.62	18%
	9B	Vegetated Low Banks	4,188.28	2.60	18%
	8B	Sheltered, Solid Man-Made Structures	107.33	0.07	< 1%
	8C	Sheltered Riprap	162.17	0.10	1%
	6A	Gravel Beaches	481.59	0.30	2%
	6B	Riprap	1,565.45	0.97	7%
	5	Mixed Sand and Gravel Beaches	8,905.32	5.53	39%
	3B	Scarps and Steep Slopes (Sand)	1,486.19	0.92	7%
	1B	Exposed, Solid Man-Made Structures	1,676.46	1.04	7%
Total ESI Shoreline:			22,785.89	Total ESI Shoreline:	14.16
Total Shoreline:			14,604.81	Total Shoreline:	9.08

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

