

**Map 12B**  
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 12B**  
**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				
15	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-Aug	-	-	-
23	Wading	Least bittern	General Distribution	T/T		Present													Apr-Aug	Apr	Aug-Sep	-
77	Passerine	Saltmarsh sparrow	Concentration Area			Present													May-Aug	-	-	-
	Raptor	Bald eagle	Nesting	T/T		Present													Feb-Aug	-	-	-
	Raptor	Osprey	Nesting	-/C		Common													Mar-Aug	Mar-Jun	Jul-Nov	-
	Wading	American bittern	Wintering	E/C		Abundant													Mar-Aug	-	-	-
	Wading	Least bittern	Nesting	T/T		Abundant													Apr-Aug	Apr	Aug-Sep	-
	Wading	Wading birds	Concentration Area			Abundant													Jan-Dec	-	-	-
	Waterfowl	Dabbling ducks	Concentration Area			Abundant													-	Jan-Dec	-	-
78	Passerine	Saltmarsh sparrow	Concentration Area			Present													May-Aug	-	-	-
	Raptor	Bald eagle	Nesting	T/T		Present													Feb-Aug	-	-	-
	Raptor	Osprey	General Distribution	-/C		2													Mar-Aug	Mar-Jun	Jul-Nov	-
	Raptor	Osprey	Nesting	-/C		Common													Mar-Aug	Mar-Jun	Jul-Nov	-
	Wading	American bittern	Wintering	E/C		Abundant													Mar-Aug	-	-	-
	Wading	Least bittern	General Distribution	T/T		4													Apr-Aug	Apr	Aug-Sep	-
	Wading	Least bittern	Nesting	T/T		Abundant													Apr-Aug	Apr	Aug-Sep	-
	Wading	Wading birds	Concentration Area			Abundant													Jan-Dec	-	-	-
	Waterfowl	Dabbling ducks	Concentration Area			Abundant													-	Jan-Dec	-	-

**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					
429	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
551	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
561	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
	Diadromous	American shad	Migration			Common													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
	Diadromous	Blueback herring	Nursery Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Atlantic menhaden	Nursery Area			Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Sep-May	Sep-May
562	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American shad	Migration			Common													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
	Diadromous	Blueback herring	Nursery Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov

**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	Atlantic menhaden	Nursery Area			Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Sep-May	Sep-May
563	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Diadromous	American shad	Spawning Area			Common													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
	Diadromous	Blueback herring	Spawning Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-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					
772	Plant	Sickleleaf silkgrass	Vulnerable Occurrence	E/-		Present													-	-	-	-	-
780	Plant	Devil's-tongue	Vulnerable Occurrence	C/-		Present													-	-	-	-	-
800	Plant	Welsh mudwort	Vulnerable Occurrence	C/-		Present													-	-	-	-	-
814	Plant	False mermaidweed	Vulnerable Occurrence	E/-		Present													-	-	-	-	-
	Plant	Low frostweed	Vulnerable Occurrence	E/T		Present													-	-	-	-	-
	Plant	Sickleleaf silkgrass	Vulnerable Occurrence	E/-		Present													-	-	-	-	-
815	Plant	Squarrose sedge	Vulnerable Occurrence	C/-		Present													-	-	-	-	-




**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					
964	Turtle	Diamondback terrapin	Vulnerable Occurrence	C/-		Present													Jun-Jul	Aug-Oct	-	Jan-Dec	Jan-Dec
	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		Present													May-Jun	Jul-Sep	-	Jan-Dec	Jan-Dec
	Turtle	Wood turtle	Vulnerable Occurrence	C/-		Present													Apr-Jun	Aug-Sep	-	Jan-Dec	Jan-Dec



**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					
988	Insect	Rare insect	Vulnerable Occurrence			Present													-	-	-	-	Jan-Dec
	Insect	Threatened insect	Vulnerable Occurrence	E/-	T	Present													-	-	-	-	Jan-Dec



**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				
 Diving	D. crested cormorant													Mar-Aug	-	-	-
 Gull/Tern	Herring gull													Mar-Aug	-	-	-
 Passerine	Barn Swallow													Apr-Aug	-	-	-
	Common grackle													Mar-Aug	-	-	-
	Common yellowthroat													Apr-Aug	-	-	-
	European starling													Mar-Aug	-	-	-
	Marsh wren													Apr-Aug	-	-	-
	Red-winged blackbird													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				
	Saltmarsh sparrow													May-Aug	-	-	-
	Song sparrow													Mar-Aug	-	-	-
	Tree swallow													Mar-Aug	-	-	-
	Willow flycatcher													May-Aug	-	-	-
 Wading	Clapper rail													Mar-Aug	-	-	-
	Great blue heron													Mar-Aug	-	-	-
	Virginia rail													Mar-Aug	-	-	-
 Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
	Bufflehead													-	Oct-Jun	-	-
	Canada goose													Mar-Aug	Jan-Dec	-	-
	Canvasback													-	-	-	-
	Common goldeneye													-	Nov-Apr	-	-
	Green-winged teal													-	Mar-Apr	Sep-Oct	-
	Mallard													Mar-Aug	-	-	-

## FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Diadromous	Brown trout													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
	Rainbow trout													-	-	-	Jan-Dec	Jan-Dec
 Freshwater	Bluegill													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Chain pickerel													Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec
	Common carp													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Largemouth bass													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
	Redbreast sunfish													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Smallmouth bass													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	White sucker													Apr-May	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Yellow perch													Mar-May	Mar-May	Mar-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					
 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
 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
	Green crab													Mar-Sep	Mar-Sep	May-Oct	Jan-Dec	Jan-Dec
 Shrimp	Grass shrimp													May-Oct	May-Oct	May-Oct	May-Oct	Jan-Dec










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	647.36	1.01
	10B	Freshwater Marshes	60.82	0.10
	10C	Swamps	239.85	0.37
	10D	Scrub and Shrub Wetlands	36.93	0.06
	9A	Sheltered Tidal Flats	78.92	0.12
	7	Exposed Tidal Flats	7.66	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	59,428.24	36.93	28%
	10B	Freshwater Marshes	1,454.15	0.90	1%
	10C	Swamps	1,012.67	0.63	< 1%
	10D	Scrub and Shrub Wetlands	691.17	0.43	< 1%
	9A	Sheltered Tidal Flats	27,759.82	17.25	13%
	9B	Vegetated Low Banks	117,255.09	72.86	56%
	8B	Sheltered, Solid Man-Made Structures	1,062.05	0.66	1%
	8C	Sheltered Riprap	11.78	0.01	< 1%
	7	Exposed Tidal Flats	180.54	0.11	< 1%

Total ESI Shoreline:	208,855.51	Total ESI Shoreline:	129.78
Total Shoreline:	119,046.77	Total Shoreline:	73.97

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)

