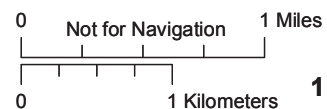


**Map 11A**  
**Long Island Sound**



**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 11A  
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	Vasey's pondweed	High Ecological Value	C/-		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				
15	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-Aug	-	-	-
76	Diving	Pied-billed grebe	General Distribution	E/T		Present													-	-	-	-
	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-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					
424	Freshwater	Banded sunfish	Vulnerable Occurrence	C/T		Uncommon													Apr-Jul	Apr-Jul	May-Aug	Jan-Dec	Jan-Dec
453	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
559	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Diadromous	Blueback herring	Spawning Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Sea lamprey	Spawning Area			Common													May-Jun	May-Jun	Jan-Dec	Apr-Jul	Apr-Jul

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					
804	Plant	Creeping lespedeza	Vulnerable Occurrence	C/T		Present													-	-	-	-	-
	Plant	Slimspike threeawn	Vulnerable Occurrence	C/-		Present													-	-	-	-	-
	Plant	Squarrose sedge	Vulnerable Occurrence	C/-		Present													-	-	-	-	-
	Plant	Willdenow's sedge	Vulnerable Occurrence			Present													-	-	-	-	-

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						
	Waterfowl	American black duck														Apr-May	Mar-Apr	Sep-Nov	-	-
		Green-winged teal														-	Mar-Apr	Sep-Oct	-	-
		Mallard														Mar-Aug	-	-	-	-
		Wood duck														Mar-Aug	-	-	-	-




## 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
	Freshwater	Black crappie													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec
		Bluegill													May-Jun	May-Jun	May-Jul	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
		Channel catfish													May-Jul	May-Jul	Jun-Aug	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
		Redbreast sunfish													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		White sucker													Apr-May	Apr-Jun	Apr-Jun	Jan-Dec	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>
 10B	Freshwater Marshes	56.16	0.09
 10C	Swamps	503.91	0.79
 10D	Scrub and Shrub Wetlands	123.77	0.19

### 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>
 10C	Swamps	3,100.13	1.93	7%
 9B	Vegetated Low Banks	37,744.94	23.45	91%
 8B	Sheltered, Solid Man-Made Structures	615.24	0.38	1%
 5	Mixed Sand and Gravel Beaches	231.74	0.14	1%

Total ESI Shoreline:	41,692.06	Total ESI Shoreline:	25.91
Total Shoreline:	41,460.31	Total Shoreline:	25.76

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)

