



**Map 8A**  
**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				
21	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	-
	Waterfowl	Dabbling ducks	Concentration Area			Abundant													-	Jan-Dec	-	-
49	Passerine	Saltmarsh sparrow	Concentration Area			Present													May-Aug	-	-	-
	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-Aug	-	-	-
	Raptor	Bald eagle	Nesting	T/T		Present													Feb-Aug	-	-	-
	Raptor	Osprey	Nesting	-/C		Common													Mar-Aug	Mar-Jun	Jul-Nov	-
	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
488	Diadromous	American shad	Spawning Area			Abundant													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
526	Diadromous	American shad	Migration			Abundant													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
532	Diadromous	Alewife	Migration			Abundant													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Migration			Abundant													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	Blueback herring	Migration	C/-		Abundant													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Hickory shad	Migration			Uncommon													Jun-Aug	Jun-Aug	Jun-Aug	Jul-Nov	Jun-Nov
	Diadromous	Sea lamprey	Migration			Common													May-Jun	May-Jun	Jan-Dec	Apr-Jul	Apr-Jul
	Diadromous	Striped bass	Migration			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Banded killifish	Nursery Area			Uncommon													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
534	Diadromous	Shortnose sturgeon	Vulnerable Occurrence	E/E	E	Rare													-	-	-	Nov-May	Nov-May
536	Diadromous	Shortnose sturgeon	Concentration Area	E/E	E	Rare													-	-	-	Nov-May	Nov-May
538	Diadromous	Alewife	Spawning Area			Abundant													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Abundant													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	American shad	Spawning Area			Abundant													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
	Diadromous	Blueback herring	Spawning Area	C/-		Abundant													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Brown trout (sea run)	Migration			Uncommon													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Sep-Jan
	Diadromous	Sea lamprey	Migration			Abundant													May-Jun	May-Jun	Jan-Dec	Apr-Jul	Apr-Jul
	Diadromous	Striped bass	Migration			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Uncommon													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Rainbow smelt	Spawning Area	E/-		Uncommon													Feb-May	Feb-May	Feb-May	Feb-May	Feb-May

## 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
795	Plant	Smooth hedge-nettle	Vulnerable Occurrence	C/-		Present												-
808	Plant	Appalachian stitchwort	Vulnerable Occurrence	T/-		Present												-
809	Plant	Appalachian stitchwort	Vulnerable Occurrence	T/-		Present												-
	Plant	Davis' sedge	Vulnerable Occurrence	T/-		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					
960	Turtle	Rare reptile	Vulnerable Occurrence	-/E		Present													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					
991	Bivalve	Rare freshwater mussel	Vulnerable Occurrence			Present													Jul-Sep	-	-	Jan-Dec	Jan-Dec
	Insect	Rare insect	Vulnerable Occurrence			Present													-	-	-	-	Jan-Dec
	Insect	Threatened insect	Vulnerable Occurrence	E/-	T	Present													-	-	-	-	Jan-Dec

## TERRESTRIAL MAMMALS


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					
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													-	-	-	-	-

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	-	-
		Bufflehead													-	Oct-Jun	-	-	-
		Common merganser													-	-	-	-	-
		Green-winged teal													-	Mar-Apr	Sep-Oct	-	-
		Mallard													Mar-Aug	-	-	-	-
		Wood duck													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
		Gizzard shad													Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
		Rainbow trout													-	-	-	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
		Central mudminnow													Mar-Apr	Mar-Apr	Mar-May	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
		Common carp													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Golden shiner													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		Largemouth bass													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
		Northern pike													Mar-May	Mar-May	Mar-May	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
		Rock bass													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Smallmouth bass													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Spottail shiner													Jun-Jul	Jun-Jul	Jun-Aug	Jan-Dec	Jan-Dec
		Tessellated darter													Apr-May	Apr-May	Apr-Jun	Jan-Dec	Jan-Dec
		White catfish													May-Jul	May-Jul	Jun-Aug	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

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	175.64	0.27
	10C	Swamps	336.51	0.53
	10D	Scrub and Shrub Wetlands	174.26	0.27
	7	Exposed Tidal Flats	2.62	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>
	10B	Freshwater Marshes	6,438.32	4.00	9%
	10C	Swamps	5,363.18	3.33	7%
	10D	Scrub and Shrub Wetlands	979.72	0.61	1%
	9B	Vegetated Low Banks	51,863.41	32.23	72%
	8A	Sheltered, Impermeable, Rocky Shores	1,729.43	1.07	2%
	8B	Sheltered, Solid Man-Made Structures	1,058.33	0.66	1%
	8C	Sheltered Riprap	1,814.25	1.13	3%
	7	Exposed Tidal Flats	142.59	0.09	< 1%
	5	Mixed Sand and Gravel Beaches	870.47	0.54	1%
	4	Coarse Grained Sand Beaches	1,515.01	0.94	2%

Total ESI Shoreline:	71,774.72	Total ESI Shoreline:	44.60
Total Shoreline:	59,496.12	Total Shoreline:	36.97

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)

