

Map 7B
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	-	-	-
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	-	-
48	Diving	Pied-billed grebe	General Distribution	E/T		Present													-	-	-	-
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
460	Diadromous	Sea lamprey	Spawning Area			Common													May-Jun	May-Jun	Jan-Dec	Apr-Jul	Apr-Jul
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
533	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
534	Diadromous	Shortnose sturgeon	Vulnerable Occurrence	E/E	E	Rare													-	-	-	Nov-May	Nov-May
535	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Abundant													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	Blueback herring	Spawning Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Uncommon													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
536	Diadromous	Shortnose sturgeon	Concentration Area	E/E	E	Rare													-	-	-	Nov-May	Nov-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												-
803	Plant	Narrowleaf willow	Vulnerable Occurrence	T/-		Present												-
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												-
805	Plant	Violet woodsorrel	Vulnerable Occurrence	C/-		Present												-
806	Plant	Swamp lousewort	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					
963	Amphibian	Northern leopard frog	Vulnerable Occurrence	C/-		Present													Apr	May	-	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					
990	Bivalve	Rare freshwater mussel	Vulnerable Occurrence			Present													Jul-Sep	-	-	Jan-Dec	Jan-Dec
	Insect	Rare insect	Vulnerable Occurrence			Present													-	-	-	-	Jan-Dec
993	Bivalve	End. freshwater mussel	Vulnerable Occurrence			Present													-	-	-	-	Jan-Dec
	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
994	Insect	Rare insect	Vulnerable Occurrence			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				
 Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
	Bufflehead													-	Oct-Jun	-	-
	Common merganser													-	-	-	-
	Green-winged teal													-	Mar-Apr	Sep-Oct	-
	Hooded merganser													-	-	-	-
	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
 Freshwater	Black crappie													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec





FISH (continued)

<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>					
	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
	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

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	878.54	1.37
	10C	Swamps	1,293.07	2.02
	10D	Scrub and Shrub Wetlands	344.68	0.54
	7	Exposed Tidal Flats	1.66	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	15,618.76	9.71	15%
	10C	Swamps	24,097.65	14.97	24%
	10D	Scrub and Shrub Wetlands	482.18	0.30	< 1%
	9B	Vegetated Low Banks	49,275.98	30.62	48%
	8A	Sheltered, Impermeable, Rocky Shores	2,321.29	1.44	2%
	8B	Sheltered, Solid Man-Made Structures	2,593.41	1.61	3%
	8C	Sheltered Riprap	2,099.39	1.30	2%
	7	Exposed Tidal Flats	335.10	0.21	< 1%
	6A	Gravel Beaches	497.47	0.31	< 1%
	6B	Riprap	48.21	0.03	< 1%
	5	Mixed Sand and Gravel Beaches	2,948.97	1.83	3%
	4	Coarse Grained Sand Beaches	1,482.45	0.92	1%

Total ESI Shoreline:	101,800.86	Total ESI Shoreline:	63.26
Total Shoreline:	81,834.98	Total Shoreline:	50.85

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

