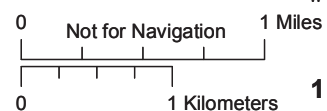


Map 7A
Long Island Sound



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 7A 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	-	-	-

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
453	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
488	Diadromous	American shad	Spawning Area			Abundant													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
520	Diadromous	Blueback herring	Migration	C/-		Abundant													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-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
521	Diadromous	Alewife	Migration			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Migration			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	Shortnose sturgeon	Concentration Area	E/E	E	Rare													-	-	-	Nov-May	Nov-May
522	Diadromous	Alewife	Spawning 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	Nursery Area			Uncommon													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	Striped bass	Migration			Uncommon													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Uncommon													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
523	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	Brown trout	Nursery Area			Common													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			Common													Sep-Dec	Sep-Apr	Feb-May	Jan-Dec	Jan-Dec
524	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	Blueback herring	Spawning Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Brown trout	Nursery Area			Common													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			Common													Sep-Dec	Sep-Apr	Feb-May	Jan-Dec	Jan-Dec
525	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	Shortnose sturgeon	Vulnerable Occurrence	E/E	E	Rare													-	-	-	Nov-May	Nov-May
	Freshwater	Banded killifish	Nursery Area			Uncommon													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
526	Diadromous	American shad	Migration			Abundant													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
527	Diadromous	Hickory shad	Migration			Uncommon													Jun-Aug	Jun-Aug	Jun-Aug	Jul-Nov	Jun-Nov
528	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	Blueback herring	Spawning Area	C/-		Abundant													May-Sep	May-Sep	May-Oct	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					
529	Estuarine Nursery	Hogchoker	Nursery Area			Rare													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Nursery	White perch	Nursery Area			Uncommon													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	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	Blueback herring	Spawning Area	C/-		Abundant													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
530	Diadromous	Striped bass	Migration			Uncommon													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Uncommon													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
531	Diadromous	Blueback herring	Spawning Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Freshwater	American brook lamprey	Vulnerable Occurrence	E/-		Uncommon													Apr-May	Apr-May	Jan-Dec	-	Mar-Jun

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					
801	Plant	Widowsfrill	Vulnerable Occurrence	T/-		Present													-	-	-	-	-
802	Plant	Davis' sedge	Vulnerable Occurrence	T/-		Present													-	-	-	-	-
803	Plant	Narrowleaf willow	Vulnerable Occurrence	T/-		Present													-	-	-	-	-

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					
985	Bivalve	Rare freshwater mussel	Vulnerable Occurrence			Present													Jul-Sep	-	-	Jan-Dec	Jan-Dec
	Insect	Threatened insect	Vulnerable Occurrence	E/-	T	Present													-	-	-	-	Jan-Dec
995	Bivalve	End. freshwater mussel	Vulnerable Occurrence			Present													-	-	-	-	Jan-Dec
	Bivalve	Rare freshwater mussel	Vulnerable Occurrence			Present													Jul-Sep	-	-	Jan-Dec	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													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													Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Freshwater													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec






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					
		Bluegill																	May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Bowfin																	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
		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
		Walleye																	Mar-Apr	Mar-Apr	Mar-May	Jan-Dec	Jan-Dec
		White catfish																	May-Jul	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
		White crappie																	May-Jun	May-Jun	May-Jun	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	382.33	0.60
	10C	Swamps	1,224.27	1.91
	10D	Scrub and Shrub Wetlands	170.40	0.27
	9A	Sheltered Tidal Flats	7.87	0.01
	7	Exposed Tidal Flats	4.54	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>
	10B	Freshwater Marshes	3,443.49	2.14	4%
	10C	Swamps	23,245.02	14.44	26%
	10D	Scrub and Shrub Wetlands	2,556.06	1.59	3%
	9A	Sheltered Tidal Flats	911.78	0.57	1%
	9B	Vegetated Low Banks	54,842.12	34.08	62%
	8B	Sheltered, Solid Man-Made Structures	1,204.25	0.75	1%
	8C	Sheltered Riprap	182.87	0.11	< 1%
	7	Exposed Tidal Flats	944.88	0.59	1%
	6A	Gravel Beaches	88.34	0.05	< 1%
	5	Mixed Sand and Gravel Beaches	234.74	0.15	< 1%
	4	Coarse Grained Sand Beaches	923.40	0.57	1%

Total ESI Shoreline:	88,576.96	Total ESI Shoreline:	55.04
Total Shoreline:	63,520.52	Total Shoreline:	39.47

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

