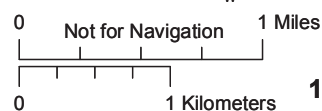


Map 19C
Long Island Sound



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 19C
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				
152	Diving	Common loon	General Distribution	C/C		Present													-	-	-	-
156	Diving	Common loon	General Distribution	C/C		2													-	-	-	-
157	Raptor	Barn owl	General Distribution	E/-		Present													Mar-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		6													Mar-Aug	-	-	-
	Wading	Glossy ibis	General Distribution	C/-		10S													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		100S													Mar-Aug	-	-	-
	Wading	Little blue heron	General Distribution	C/-		Present													Apr-Aug	-	-	-
	Wading	Snowy egret	General Distribution	T/-		100S													Mar-Aug	-	-	-
	Wading	YC night-heron	General Distribution	C/-		10S													Mar-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					
544	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
645	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Marine Benthic	Cunner	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
646	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Cunner	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
647	Diadromous	Alewife	Spawning Area			Uncommon													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Estuarine Resident	Fourspine stickleback	Nursery Area			Common													Apr-Jul	Apr-Jul	May-Aug	May-Dec	Jan-Dec
	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
648	Diadromous	Alewife	Nursery Area			Uncommon													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Estuarine Resident	Fourspine stickleback	Nursery Area			Common													Apr-Jul	Apr-Jul	May-Aug	May-Dec	Jan-Dec
649	Diadromous	Alewife	Migration			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)


BIRDS

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				
	Diving	Common loon	General Distribution	C/C	6													-	-	-	-
		Pied-billed grebe	General Distribution	E/T	2													-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T	Present													May-Aug	-	-	-
	Raptor	Peregrine falcon	General Distribution	T/E	Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	Present													Mar-Aug	-	-	-
	Wading	BC night-heron	Nesting		Present													Mar-Aug	-	-	-
		Egrets	Nesting		Present													Jan-Dec	-	-	-
		Herons	Nesting		Present													Jan-Dec	Jan-Dec	-	-
		Snowy egret	Nesting	T/-	Present													Mar-Aug	-	-	-

FISH





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					
	Diadromous	American eel	Nursery Area		Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
		Atlantic sturgeon	Migration	E/-	Rare													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec
		Striped bass	Migration		Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Atlantic menhaden	Nursery Area		Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
		Bay anchovy	Nursery Area		Abundant													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
		Black sea bass	Nursery Area		Common													-	-	-	Apr-Nov	Apr-Nov
		Bluefish	Nursery Area		Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
		Scup	Nursery Area		Common													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
		Summer flounder	Nursery Area		Common													-	-	-	Mar-Nov	Mar-Nov
		Weakfish	Nursery Area		Common													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
	Marine Benthic	Winter flounder	Nursery Area		Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
		Little skate	Nursery Area		Abundant													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
		Striped searobin	Nursery Area		Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
		Tautog	Nursery Area		Common													Apr-Sep	Apr-Sep	May-Sep	Jan-Dec	Jan-Dec
	Marine Pelagic	Spiny dogfish	Nursery Area		Common													-	-	-	May-Nov	May-Nov

INVERTEBRATES



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					
	Crab	Blue crab	Nursery Area		Common													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
		Horseshoe crab	Nursery Area		Common													May-Jun	Jun-Jul	-	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				
	Diving	D. crested cormorant													Mar-Aug	-	-	-
		Great cormorant													-	-	-	-
		Horned grebe													-	-	-	-
		Red-throated loon													-	-	-	-
	Gull/Tern	G. black-backed gull													Mar-Aug	-	-	-
		Herring gull													Mar-Aug	-	-	-
	Wading	BC night-heron													Mar-Aug	-	-	-
		Cattle egret													Jun-Aug	-	-	-
	Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
		American coot													-	-	-	-
		American wigeon													-	-	-	-
		Black brant													-	May	Oct	-
		Black scoter													-	-	-	-
		Bufflehead													-	Oct-Jun	-	-
		Canada goose													Mar-Aug	Jan-Dec	-	-
		Canvasback													-	-	-	-
		Common goldeneye													-	Nov-Apr	-	-
		Gadwall													Jan-Dec	-	-	-
		Greater scaup													-	-	-	-
		Green-winged teal													-	Mar-Apr	Sep-Oct	-
		Hooded merganser													-	-	-	-
		Lesser scaup													-	-	-	-
		Long-tailed duck													-	-	-	-
		Mallard													Mar-Aug	-	-	-
		Mute swan													Mar-Sep	-	-	-
		Northern shoveler													-	-	-	-
		Red-breasted merganser													-	-	-	-
		Ring-necked duck													-	-	-	-
		Ruddy duck													-	-	-	-
		Scaup													-	Mar-Apr	Oct-Nov	-
		Surf scoter													-	-	-	-
		White-winged scoter													-	Sep-May	-	-

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	Gizzard shad													Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Freshwater	Bluegill													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Brown bullhead													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
		Tessellated darter													Apr-May	Apr-May	Apr-Jun	Jan-Dec	Jan-Dec
		White sucker													Apr-May	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec







INVERTEBRATES

	<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>					
	Bivalve	Blue mussel													Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
		Eastern oyster													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Softshell clam													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Shrimp	Grass shrimp													May-Oct	May-Oct	May-Oct	May-Oct	Jan-Dec
		Sevenspine bay shrimp													May-Oct	May-Oct	May-Oct	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>
	10A	Salt and Brackish Water Marshes	2.63	0.00
	10B	Freshwater Marshes	0.97	0.00
	10C	Swamps	0.92	0.00
	10D	Scrub and Shrub Wetlands	0.96	0.00
	9A	Sheltered Tidal Flats	22.98	0.04
	7	Exposed Tidal Flats	1.90	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>
	10A	Salt and Brackish Water Marshes	477.64	0.30	1%
	9A	Sheltered Tidal Flats	3,684.33	2.29	5%
	9B	Vegetated Low Banks	10,886.57	6.76	16%
	8B	Sheltered, Solid Man-Made Structures	21,393.81	13.29	32%
	8C	Sheltered Riprap	28,025.98	17.41	42%
	7	Exposed Tidal Flats	629.03	0.39	1%
	6A	Gravel Beaches	817.10	0.51	1%
	5	Mixed Sand and Gravel Beaches	1,246.11	0.77	2%
	4	Coarse Grained Sand Beaches	264.31	0.16	< 1%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	50.82	0.03	< 1%

Total ESI Shoreline:	67,475.69	Total ESI Shoreline:	41.93
Total Shoreline:	56,044.95	Total Shoreline:	34.82

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

