

Map 17A
Long Island Sound



SEE BACK OF MAP
for details about mapped species and
other species that occur in mapped area.
Data Published: September 2016

0 Not for Navigation 1 Miles
0 1 Kilometers

1:50,000



Map 17A
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				
118	Raptor	Long-eared owl	General Distribution	E/-		Present													-	Jan-Mar	-	-
128	Diving	Common loon	Wintering	C/C		Present													-	-	-	-
	Diving	Horned grebe	Wintering			Present													-	-	-	-
	Diving	Red-throated loon	Wintering			Present													-	-	-	-
	Gull/Tern	Bonaparte's gull	Wintering			Abundant													-	-	-	-
	Gull/Tern	Laughing gull	Concentration Area			Highly Abundant													Apr-Aug	-	-	-
	Waterfowl	Waterfowl	Wintering			Abundant													-	Jan-Dec	-	-
131	Diving	Common loon	General Distribution	C/C		10S													-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
132	Passerine	Purple martin	General Distribution	C/-		Present													Apr-Aug	-	-	-
	Raptor	Osprey	General Distribution	-/C		9													Mar-Aug	Mar-Jun	Jul-Nov	-
	Wading	Great egret	General Distribution	T/-		8													Mar-Aug	-	-	-
	Wading	Snowy egret	General Distribution	T/-		4													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					
429	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
448	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
453	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
493	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
500	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
585	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Resident	Striped killifish	Nursery Area			Abundant													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
609	Diadromous	Alewife	Spawning Area			Abundant													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
610	Diadromous	Alewife	Nursery Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Diadromous	American eel	Migration			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	American shad	Nursery Area			Common													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
	Diadromous	Blueback herring	Migration	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic herring	Nursery Area			Abundant													-	-	Mar-May	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic menhaden	Nursery Area			Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bay anchovy	Nursery Area			Common													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Nursery	Black sea bass	Nursery Area			Common													-	-	-	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					
	Estuarine Nursery	Bluefish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Hogchoker	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Nursery	Scup	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Summer flounder	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Estuarine Nursery	Weakfish	Nursery Area			Abundant													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
	Estuarine Nursery	Windowpane	Nursery Area			Common													Apr-Oct	Apr-Oct	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Nursery	Winter flounder	Nursery Area			Abundant													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
	Fish	Atlantic moonfish	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Jan-Dec	Jan-Dec
	Marine Benthic	Cunner	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Little skate	Nursery Area			Common													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
	Marine Benthic	Northern searobin	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
	Marine Benthic	Red hake	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Marine Benthic	Silver hake	Nursery Area			Common													-	-	May-Oct	Mar-Nov	Mar-Nov
	Marine Benthic	Smooth dogfish	Nursery Area			Common													-	-	-	May-Oct	May-Oct
	Marine Benthic	Striped searobin	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Jan-Dec	Jan-Dec
	Marine Pelagic	Atlantic mackerel	Nursery Area			Common													Apr-Jun	Apr-Jun	Apr-Jun	Apr-Nov	Apr-Nov
	Marine Pelagic	Butterfish	Nursery Area			Abundant													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
611	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	Blueback herring	Nursery Area	CI-		Common													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	Striped bass	Migration			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bluefish	Nursery Area			Common													-	-	-	Jun-Oct	Jun-Oct
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Estuarine Nursery	Winter flounder	Nursery Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Northern pipefish	Nursery Area			Abundant													Apr-Aug	-	May-Sep	Jan-Dec	Jan-Dec
612	Diadromous	Alewife	Spawning Area			Abundant													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
613	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	Brown trout (sea run)	Spawning Area			Uncommon													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Sep-Jan

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					
833	Plant	Lizard's tail	Vulnerable Occurrence	E/-		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					
965	Turtle	Green sea turtle	General Distribution	T/T	T	Present													-	-	-	Jun-Nov	-
	Turtle	K. ridley sea turtle	General Distribution	E/E	E	Present													-	-	-	Jun-Nov	-
	Turtle	Loggerhead sea turtle	General Distribution	T/T	E	Present													-	-	-	Jun-Nov	-

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					
987	Bivalve	Eastern oyster	Concentration Area			Present													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec

MARINE MAMMALS

Map ID	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence												Mating	Calving	Pupping	Molt
				S	F		J	F	M	A	M	J	J	A	S	O	N	D				
1035	Dolphin	Harbor porpoise	General Distribution	C/C		Present													-	-	-	-

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				
	D. crested cormorant													Mar-Aug	-	-	-
	Horned grebe													-	-	-	-
	Red-throated loon													-	-	-	-
	G. black-backed gull													Mar-Aug	-	-	-
	Herring gull													Mar-Aug	-	-	-
	Ring-billed gull													-	-	-	-
	Acadian flycatcher													Jun-Jul	May-Jun	Aug-Sep	-
	American goldfinch													Mar-Aug	-	-	-
	Barn Swallow													Apr-Aug	-	-	-
	Marsh wren													Apr-Aug	-	-	-
	N. r.-winged swallow													Apr-Aug	-	-	-
	Northern cardinal													Mar-Aug	-	-	-
	Red-winged blackbird													Mar-Aug	-	-	-
	Saltmarsh sparrow													May-Aug	-	-	-
	Song sparrow													Mar-Aug	-	-	-
	Tree swallow													Mar-Aug	-	-	-
	Willow flycatcher													May-Aug	-	-	-
	Yellow warbler													Apr-Aug	-	-	-
	Black-legged kittiwake													-	-	-	-
	Northern gannet													-	-	-	-
	Greater yellowlegs													-	May-Jun	Sep-Oct	-
	Killdeer													Mar-Aug	-	-	-
	Semipalmated plover													-	Apr-Jun	Sep-Nov	-
	Willet													Apr-Aug	-	-	-
	BC night-heron													Mar-Aug	-	-	-
	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
	American wigeon													-	-	-	-
	Black brant													-	May	Oct	-
	Black scoter													-	-	-	-
	Bufflehead													-	Oct-Jun	-	-
	Canada goose													Mar-Aug	Jan-Dec	-	-
	Canvasback													-	-	-	-
	Common eider													Sep-May	-	-	-




BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Common goldeneye													-	Nov-Apr	-	-
	Common merganser													-	-	-	-
	Eurasian wigeon													-	-	-	-
	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	-	-	-
	Red-breasted merganser													-	-	-	-
	Redhead													-	Nov-Mar	-	-
	Ring-necked duck													-	-	-	-
	Ruddy duck													-	-	-	-
	Scaup													-	Mar-Apr	Oct-Nov	-
	Surf scoter													-	-	-	-
	White-winged scoter													-	Sep-May	-	-


FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Diadromous													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
	Freshwater													Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec
	Brown trout													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
	Chain pickerel													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec
	Largemouth bass													Apr-May	Apr-May	Apr-Jun	Jan-Dec	Jan-Dec
	Redbreast sunfish													Apr-May	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Tessellated darter													Mar-May	Mar-May	Mar-Aug	Jan-Dec	Jan-Dec
	White sucker													Mar-May	Mar-May	Mar-Aug	Jan-Dec	Jan-Dec
	Yellow perch																	

INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Bivalve													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Northern quahog													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Ribbed mussel													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
	Crab													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Blue crab													May-Oct	May-Oct	May-Oct	May-Oct	Jan-Dec
	Fiddler crab																	
	Shrimp																	
	Grass shrimp																	







MARINE MAMMALS

Subelement	Species	Monthly Presence												Mating	Calving	Pupping	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Dolphin													-	-	-	-
	Bottlenose dolphin													-	-	-	-
	Pinniped													-	-	-	-
	Gray seal													-	-	-	-
	Harbor seal													-	-	-	-
















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	75.41	0.12
	10B	Freshwater Marshes	11.19	0.02
	10C	Swamps	76.15	0.12
	10D	Scrub and Shrub Wetlands	10.08	0.02
	9A	Sheltered Tidal Flats	118.55	0.19
	7	Exposed Tidal Flats	10.29	0.02

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	9,366.33	5.82	8%
	10B	Freshwater Marshes	158.32	0.10	< 1%
	10C	Swamps	161.52	0.10	< 1%
	10D	Scrub and Shrub Wetlands	179.33	0.11	< 1%
	9A	Sheltered Tidal Flats	12,327.57	7.66	11%
	9B	Vegetated Low Banks	73,246.68	45.51	65%
	8A	Sheltered, Impermeable, Rocky Shores	103.54	0.06	< 1%
	8B	Sheltered, Solid Man-Made Structures	9,906.34	6.16	9%
	8C	Sheltered Riprap	4,391.97	2.73	4%
	7	Exposed Tidal Flats	795.52	0.49	1%
	6A	Gravel Beaches	339.94	0.21	< 1%
	6B	Riprap	617.69	0.38	1%
	5	Mixed Sand and Gravel Beaches	79.75	0.05	< 1%
	4	Coarse Grained Sand Beaches	645.46	0.40	1%
	1B	Exposed, Solid Man-Made Structures	142.02	0.09	< 1%

Total ESI Shoreline:	112,461.99	Total ESI Shoreline:	69.88
Total Shoreline:	86,201.47	Total Shoreline:	53.56

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

