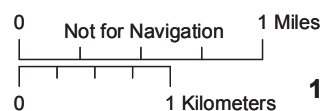


Map 32A
Long Island Sound



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



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Map 32A
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				
418	Diving	Common loon	Concentration Area	C/C		Present													-	-	-	-
	Gull/Tern	Common tern	Concentration Area	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Least tern	Concentration Area	T/T		Present													Apr-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Passerine	Passerine birds	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Raptor	Northern harrier	Concentration Area	E/T		Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	Concentration Area	T/E	T	Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
	Wading	Herons	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Waterfowl	American black duck	Concentration Area			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Canada goose	Wintering			Present													Mar-Aug	Jan-Dec	-	-
	Waterfowl	Mallard	Concentration Area			Present													Mar-Aug	-	-	-
	Waterfowl	Mergansers	Concentration Area			Present													-	Apr-May	Oct-Nov	-
	Waterfowl	Waterfowl	Concentration Area			Present													-	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					
741	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec

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					
883	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
912	Plant	Southern arrowwood	High Ecological Value	-/T		Abundant													-	-	-	-	-
914	Plant	Cosmopolitan bulrush	Vulnerable Occurrence	C/-		5													-	-	-	-	-
	Plant	Marsh straw sedge	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
	Plant	Mitchell's sedge	Vulnerable Occurrence	-/E		20													-	-	-	-	-
	Plant	Slender blue flag	Vulnerable Occurrence	-/T		315													-	-	-	-	-
	Plant	Slender seapurslane	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
916	Wetland	Saltmarsh spikerush	Vulnerable Occurrence			Abundant													-	-	-	-	-
953	Plant	American knotweed	Vulnerable Occurrence	-/E		100													-	-	-	-	-
	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		80													-	-	-	-	-
954	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		50													-	-	-	-	-

HABITATS & RARE PLANTS (continued)

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
955	Plant	Slender seapurslane	Vulnerable Occurrence	-E		Present												-
	Plant	Texan flatsedge	Vulnerable Occurrence	-E		30												-
956	Plant	Hyss. thoroughwort	Vulnerable Occurrence			40												-
957	Plant	Hyss. thoroughwort	Vulnerable Occurrence			40												-
	Wetland	Short-fruited rush	Vulnerable Occurrence	-E		100												-
958	Plant	Clustered mountainmint	Vulnerable Occurrence	-T		75												-
	Plant	Hyss. thoroughwort	Vulnerable Occurrence			80												-
	Plant	Rare plant	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					
982	Amphibian	B. spotted salamander	Vulnerable Occurrence	E/C		Present													Mar	Apr-May	-	Jan-Dec	Jan-Dec
	Amphibian	Southern leopard frog	Vulnerable Occurrence	-C		Present													Mar	Mar	-	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					
989	Crab	Horseshoe crab	Nursery Area			Common													May-Jun	Jun-Jul	-	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				
1048	Pinniped	Harbor seal	Haul Out			Varies (5 - 75)													-	-	-	-



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		10S													-	-	-	-
		Common loon	Wintering	C/C		Present													-	-	-	-
		Pied-billed grebe	General Distribution	E/T		10S													-	-	-	-
	Raptor	Northern harrier	General Distribution	E/T		Present													Mar-Aug	-	-	-
	Waterfowl	Black scoter	Rafting			Present													-	-	-	-
		Bufflehead	Wintering			Present													-	Oct-Jun	-	-
		Common eider	Rafting			Present													Sep-May	-	-	-
		Common goldeneye	Wintering			Present													-	Nov-Apr	-	-
		Harlequin duck	Wintering			Present													-	Mar-May	Nov-Dec	-
		King eider	Wintering			Present													-	-	-	-
		Long-tailed duck	Rafting			Present													-	-	-	-
		Red-breasted merganser	Wintering			Present													-	-	-	-
		Scoters	Rafting			Present													-	Apr-May	Sep-Nov	-
		Surf scoter	Rafting			Present													-	-	-	-


BIRDS (continued)

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				
	Waterfowl	Rafting			Present													-	Jan-Dec	-	-
	White-winged scoter	Rafting			Present													-	Sep-May	-	-



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	Striped bass			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Black sea bass			Common													-	-	-	Apr-Nov	Apr-Nov
		Bluefish			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
		Scup			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
		Weakfish			Abundant													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov

REPTILES & AMPHIBIANS




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					
	Turtle	K. ridley sea turtle	E/E	E	Present													-	-	-	Jun-Nov	-
		Leatherback sea turtle	E/E	E	Present													-	-	-	Jun-Nov	-
		Loggerhead sea turtle	T/T	E	Present													-	-	-	Jun-Nov	-

MARINE MAMMALS

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				
	Dolphin	Harbor porpoise	C/C		Present													-	-	-	-
	Whale	Humpback whale	-/E	E	Present													-	-	-	-
		N.A. right whale	-/E	E	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				
	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	-	-	-
	Waterfowl	American black duck												Apr-May	Mar-Apr	Sep-Nov	-
		American coot												-	-	-	-
		American wigeon												-	-	-	-
		Black brant												-	May	Oct	-
		Black scoter												-	-	-	-
		Blue-winged teal												-	Mar-May	Sep-Nov	-
		Bufflehead												-	Oct-Jun	-	-



BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Canada goose													Mar-Aug	Jan-Dec	-	-
	Canvasback													-	-	-	-
	Common eider													Sep-May	-	-	-
	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	-	-	-
	Northern pintail													-	-	-	-
	Northern shoveler													-	-	-	-
	Red-breasted merganser													-	-	-	-
	Redhead													-	Nov-Mar	-	-
	Ring-necked duck													-	-	-	-
	Ruddy duck													-	-	-	-
	Scaup													-	Mar-Apr	Oct-Nov	-
	Scoters													-	Apr-May	Sep-Nov	-
	Surf scoter													-	-	-	-
	White-winged scoter													-	Sep-May	-	-

INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Bivalve	Atlantic surfclam													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	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





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	3.45	0.01
	10B	Freshwater Marshes	11.15	0.02
	10C	Swamps	58.10	0.09
	10D	Scrub and Shrub Wetlands	32.72	0.05

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	782.09	0.49	12%
	10B	Freshwater Marshes	170.50	0.11	3%
	10D	Scrub and Shrub Wetlands	79.81	0.05	1%
	9B	Vegetated Low Banks	2,071.01	1.29	31%
	6A	Gravel Beaches	355.96	0.22	5%
	6B	Riprap	345.68	0.21	5%
	5	Mixed Sand and Gravel Beaches	2,782.13	1.73	42%
	4	Coarse Grained Sand Beaches	108.18	0.07	2%

Total ESI Shoreline:	6,695.36	Total ESI Shoreline:	4.16
Total Shoreline:	5,632.68	Total Shoreline:	3.50

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

