

Map 23A
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 23A
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				
244	Diving	Common loon	Wintering	C/C		Present													-	-	-	-
	Gull/Tern	Least tern	Concentration Area	T/T		Present													Apr-Aug	-	-	-
	Passerine	Northern parula	General Distribution	C/-		2													May	Apr-May	Sep-Oct	-
	Raptor	Osprey	General Distribution	-/C		2													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	American oystercatcher	General Distribution	T/-		2													Mar-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	2													Mar-Aug	-	-	-
	Shorebird	Shorebirds	Concentration Area			Present													-	Jan-Dec	-	-
	Wading	Egrets	Concentration Area			Present													Jan-Dec	-	-	-
	Wading	Great egret	General Distribution	T/-		6													Mar-Aug	-	-	-
	Wading	Herons	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Wading	Snowy egret	General Distribution	T/-		2													Mar-Aug	-	-	-
	Waterfowl	American black duck	Wintering			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	American wigeon	Wintering			Present													-	-	-	-
	Waterfowl	Bufflehead	Wintering			Present													-	Oct-Jun	-	-
	Waterfowl	Long-tailed duck	Wintering			Present													-	-	-	-
	Waterfowl	Mallard	Wintering			Present													Mar-Aug	-	-	-
	Waterfowl	Northern pintail	Wintering			Present													-	-	-	-
	Waterfowl	Scaup	Wintering			Present													-	Mar-Apr	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					
685	Estuarine Nursery	Atlantic menhaden	Nursery Area			Common													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov

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	Turtle	Diamondback terrapin	Vulnerable Occurrence	C/-		Present													Jun-Jul	Aug-Oct	-	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					
997	Crab	Horseshoe crab	Spawning Area			Present													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
1007	Insect	C. barrens buckmoth	Vulnerable Occurrence	-/C		Present													-	-	-	-	Jan-Dec
	Insect	Frosted elfin	Vulnerable Occurrence	-/T		Present													Apr-May	Apr-May	Jun	Jul-Mar	Apr-Jun

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	2													-	-	-	-
		Common loon	General Distribution	C/C	10S													-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T	Present													May-Aug	-	-	-
		Least tern	General Distribution	T/T	5													Apr-Aug	-	-	-
	Shorebird	Roseate tern	General Distribution	E/E	Present													May-Aug	-	-	-
		American oystercatcher	General Distribution	T/-	Present													Mar-Aug	-	-	-
		Piping plover	General Distribution	T/E	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	Alewife	Nursery Area		Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
		American eel	Migration		Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American shad	Nursery Area		Common													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
		Blueback herring	Migration	C/-	Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
		Striped bass	Nursery Area		Common													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic herring	Nursery Area		Abundant													-	-	Mar-May	Jan-Dec	Jan-Dec
		Atlantic menhaden	Nursery Area		Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
		Bay anchovy	Nursery Area		Common													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
		Black sea bass	Nursery Area		Common													-	-	-	Jan-Dec	Jan-Dec
		Bluefish	Nursery Area		Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
		Hogchoker	Nursery Area		Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		Scup	Nursery Area		Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
		Summer flounder	Nursery Area		Common													-	-	-	Mar-Nov	Mar-Nov
		Weakfish	Nursery Area		Abundant													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
		Windowpane	Nursery Area		Common													Apr-Oct	Apr-Oct	May-Nov	Jan-Dec	Jan-Dec
		Winter flounder	Nursery Area		Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
		Atlantic silverside	Nursery Area		Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic moonfish	Nursery Area		Common													-	-	-	Jan-Dec	Jan-Dec
		Cunner	Nursery Area		Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Little skate	Nursery Area		Abundant													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
		Northern searobin	Nursery Area		Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
		Red hake	Nursery Area		Common													-	-	-	Mar-Nov	Mar-Nov
		Silver hake	Nursery Area		Common													-	-	May-Oct	Mar-Nov	Mar-Nov
		Smooth dogfish	Nursery Area		Common													-	-	-	May-Oct	May-Oct
		Spotted hake	Nursery Area		Common													-	-	-	Mar-Nov	Mar-Nov
		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
		Atlantic mackerel	Nursery Area		Common													Apr-Jun	Apr-Jun	Apr-Jun	Apr-Nov	Apr-Nov
		Butterfish	Nursery Area		Abundant													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec

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	Green sea turtle	General Distribution	T/T	T	Present												-	-	-	Jun-Nov	-
		K. ridley sea turtle	General Distribution	E/E	E	Present												-	-	-	Jun-Nov	-
		Loggerhead sea turtle	General Distribution	T/T	E	Present												-	-	-	Jun-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					
	Lobster	American lobster	Nursery Area		Common													Jun-Nov	Jan-Dec	May-Aug	Jan-Dec	Jan-Dec

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	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					
	Alcid	Razorbill												-	-	-	-	-
	Diving	D. crested cormorant												Mar-Aug	-	-	-	-
		Horned grebe												-	-	-	-	-
		Red-necked grebe												-	-	-	-	-
		Red-throated loon												-	-	-	-	-
	Gull/Tern	Forster's tern												Apr-Aug	-	-	-	-
		G. black-backed gull												Mar-Aug	-	-	-	-
		Herring gull												Mar-Aug	-	-	-	-
		Ring-billed gull												-	-	-	-	-
	Passerine	Acadian flycatcher												Jun-Jul	May-Jun	Aug-Sep	-	-
		American robin												Mar-Aug	-	-	-	-
		Baltimore oriole												Apr-Aug	-	-	-	-
		Barn Swallow												Apr-Aug	-	-	-	-
		Belted kingfisher												Mar-Aug	-	-	-	-
		Black-capped chickadee												Mar-Aug	-	-	-	-
		Blue jay												Apr-Aug	Mar-May	Sep-Oct	-	-
		Common grackle												Mar-Aug	-	-	-	-
		Common yellowthroat												Apr-Aug	-	-	-	-
		Downy woodpecker												Mar-Aug	-	-	-	-
		Fish crow												Mar-Aug	-	-	-	-
		Gray catbird												Mar-Aug	-	-	-	-
		Marsh wren												Apr-Aug	-	-	-	-
		Mourning dove												Mar-Aug	-	-	-	-
		Northern cardinal												Mar-Aug	-	-	-	-
		Northern mockingbird												Mar-Aug	-	-	-	-


BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Red-bellied woodpecker													Jun-Jul	Apr-May	Aug-Nov	-
	Red-winged blackbird													Mar-Aug	-	-	-
	Song sparrow													Mar-Aug	-	-	-
	Yellow warbler													Apr-Aug	-	-	-
 Pelagic	Black-legged kittiwake													-	-	-	-
	Northern gannet													-	-	-	-
 Shorebird	Black-bellied plover													-	Aug-May	-	-
	Greater yellowlegs													-	May-Jun	Sep-Oct	-
	Least sandpiper													-	Apr-Jun	Aug-Oct	-
	Willet													Apr-Aug	-	-	-
 Wading	BC night-heron													Mar-Aug	-	-	-
	Great blue heron													Mar-Aug	-	-	-
 Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
	American wigeon													-	-	-	-
	Atlantic Brant													-	-	Oct-Nov	-
	Black scoter													-	-	-	-
	Blue-winged teal													-	Mar-May	Sep-Nov	-
	Bufflehead													-	Oct-Jun	-	-
	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													-	-	-	-
	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													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Eastern oyster													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Northern quahog													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Ribbed mussel													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Cephalopod													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Longfin squid													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	Crab													Feb-May	Feb-May	Feb-May	Jan-Dec	Jan-Dec
	Shrimp																	
	Mantis shrimp																	





MARINE MAMMALS

Subelement	Species	Monthly Presence												Mating	Calving	Pupping	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	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

ESI Rank	Habitat Classification	Area (Acres)	Area (Sq. Miles)
 10A	Salt and Brackish Water Marshes	17.95	0.03
 10B	Freshwater Marshes	0.61	0.00
 10D	Scrub and Shrub Wetlands	0.41	0.00
 9A	Sheltered Tidal Flats	36.93	0.06

ESI SHORELINE HABITAT TYPES

ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
 10A	Salt and Brackish Water Marshes	2,039.33	1.27	8%
 9A	Sheltered Tidal Flats	3,595.36	2.23	14%
 9B	Vegetated Low Banks	3,513.36	2.18	14%
 6B	Riprap	569.89	0.35	2%
 5	Mixed Sand and Gravel Beaches	8,783.83	5.46	35%
 3B	Scarps and Steep Slopes (Sand)	2,458.40	1.53	10%
 1B	Exposed, Solid Man-Made Structures	3,838.69	2.39	15%

Total ESI Shoreline:	24,798.86	Total ESI Shoreline:	15.41
Total Shoreline:	12,388.19	Total Shoreline:	7.70

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

