

# Map 20C

## 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 20C**  
**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				
177	Raptor	Peregrine falcon	General Distribution	T/E		Present													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					
658	Diadromous	Blueback herring	Nursery Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Atlantic menhaden	Nursery Area			Common													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bay anchovy	Nursery Area			Abundant													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Nursery	Bluefish	Nursery Area			Abundant													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Northern kingfish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Apr-Nov	Apr-Nov
	Estuarine Nursery	Scup	Nursery Area			Common													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Weakfish	Nursery Area			Common													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
	Estuarine Resident	Grubby	Nursery Area			Common													Dec-Apr	Dec-Apr	Jan-May	Jan-Dec	Jan-Dec
	Estuarine Resident	Mummichog	Nursery Area			Abundant													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Northern pipefish	Nursery Area			Common													Apr-Aug	-	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped killifish	Nursery Area			Abundant													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Marine Benthic	American sand lance	Nursery Area			Common													Nov-Mar	Nov-Mar	Dec-Jun	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Sep-May	Sep-May
	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	Apr-Nov	Apr-Nov

**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					
850	Plant	Arrowhead rattlebox	Vulnerable Occurrence	-/E		1000													-	-	-	-	-
	Plant	Common persimmon	Vulnerable Occurrence	C/T		Present													-	-	-	-	-
	Plant	H. sm-leaf ticktrefoil	Vulnerable Occurrence	-/T		1000S													-	-	-	-	-
	Plant	Smartweed dodder	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					
967	Amphibian	Rare amphibian	Vulnerable Occurrence	-E		Present													Mar-Apr	May	-	Jan-Dec	Jan-Dec
968	Amphibian	Eastern spadefoot	Vulnerable Occurrence	E/C		Present													Apr-Jun	Apr-Jun	-	Jan-Dec	Jan-Dec
	Amphibian	Rare amphibian	Vulnerable Occurrence	-E		Present													Mar-Apr	May	-	Jan-Dec	Jan-Dec
969	Amphibian	Eastern spadefoot	Vulnerable Occurrence	E/C		Present													Apr-Jun	Apr-Jun	-	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					
1001	Bivalve	Eastern oyster	Harvest Area			Low													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			Moderate													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Harvest Area			Low													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Crab	Horseshoe crab	Nursery Area			Common													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec



## 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													-	-	-	-
		Pied-billed grebe	General Distribution	E/T		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	-	-	-
		Horned grebe													-	-	-	-
		Red-throated loon													-	-	-	-
	Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
		American wigeon													-	-	-	-
		Barrow's goldeneye													-	-	-	-
		Black brant													-	May	Oct	-
		Black scoter													-	-	-	-
		Bufflehead													-	Oct-Jun	-	-
		Canada goose													Mar-Aug	Jan-Dec	-	-
		Common goldeneye													-	Nov-Apr	-	-
		Common merganser													-	-	-	-
		Eurasian wigeon													-	-	-	-
		Gadwall													Jan-Dec	-	-	-
		Greater scaup													-	-	-	-
		Green-winged teal													-	Mar-Apr	Sep-Oct	-
		Hooded merganser													-	-	-	-
		King eider													-	-	-	-



## 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				
	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	-	-

## FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Estuarine Nursery	Northern puffer													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec

## INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Bivalve	Blue mussel													Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
	Ribbed mussel													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
 Crab	Blue crab													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
	Green crab													Mar-Sep	Mar-Sep	May-Oct	Jan-Dec	Jan-Dec
	Lady crab													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Spider crabs													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec

For additional information about species locations and extent, reference the underlying GIS data available from [response.restoration.noaa.gov](https://response.restoration.noaa.gov)

SHORELINE RESOURCES

ESI POLYGON HABITAT TYPES

	ESI Rank	Habitat Classification	Area (Acres)	Area (Sq. Miles)
	10B	Freshwater Marshes	8.50	0.01
	10C	Swamps	5.35	0.01
	10D	Scrub and Shrub Wetlands	11.51	0.02
	9A	Sheltered Tidal Flats	0.24	0.00

ESI SHORELINE HABITAT TYPES

	ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
	9A	Sheltered Tidal Flats	226.21	0.14	16%
	8B	Sheltered, Solid Man-Made Structures	1,174.98	0.73	82%
	5	Mixed Sand and Gravel Beaches	35.99	0.02	3%

Total ESI Shoreline:	1,437.18	Total ESI Shoreline:	0.89
Total Shoreline:	1,210.97	Total Shoreline:	0.75

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](https://response.restoration.noaa.gov)

