

Map 23B
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 23B
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				
103	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
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	-	-
245	Gull/Tern	Common tern	Nesting	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Least tern	Nesting	T/T		Present													Apr-Aug	-	-	-
246	Shorebird	Shorebirds	Concentration Area			Present													-	Jan-Dec	-	-
	Wading	Herons	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
247	Diving	Horned grebe	Concentration Area			Present													-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		10S													May-Aug	-	-	-
	Passerine	Northern parula	General Distribution	C/-		Present													May	Apr-May	Sep-Oct	-
	Passerine	Savannah sparrow	General Distribution	C/-		Present													Mar-Aug	-	-	-
	Raptor	Osprey	General Distribution	-/C		3													Mar-Aug	Mar-Jun	Jul-Nov	-
	Raptor	Osprey	Nesting	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	American oystercatcher	General Distribution	T/-		5													Mar-Aug	-	-	-
	Wading	BC night-heron	Concentration Area			Present													Mar-Aug	-	-	-
	Wading	Great blue heron	Concentration Area			Present													Mar-Aug	-	-	-
	Wading	Great egret	Concentration Area	T/-		Present													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		10S													Mar-Aug	-	-	-
	Wading	Herons	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Wading	Snowy egret	General Distribution	T/-		10S													Mar-Aug	-	-	-

BIRDS (continued)

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					
	Waterfowl	American black duck	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	Apr-May	Mar-Apr	Sep-Nov	-	-
	Waterfowl	American wigeon	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Waterfowl	Brant	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Mar-May	Oct-Nov	-	-
	Waterfowl	Mallard	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-	-
	Waterfowl	Waterfowl	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Jan-Dec	-	-	-
248	Waterfowl	Waterfowl	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Jan-Dec	-	-	-
249	Diving	Common loon	General Distribution	C/C		Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-	-
250	Gull/Tern	Common tern	General Distribution	E/T		10S													May-Aug	-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	10S													Mar-Aug	-	-	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Present													Mar-Aug	-	-	-	-
251	Gull/Tern	Common tern	Concentration Area	E/T		Present													May-Aug	-	-	-	-
	Gull/Tern	Least tern	Concentration Area	T/T		Present													Apr-Aug	-	-	-	-
	Shorebird	Piping plover	Concentration Area	T/E	T	Present													Mar-Aug	-	-	-	-
	Waterfowl	American black duck	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	Apr-May	Mar-Apr	Sep-Nov	-	-
	Waterfowl	American wigeon	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Waterfowl	Bufflehead	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Oct-Jun	-	-	-
	Waterfowl	Canada goose	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	Jan-Dec	-	-	-
	Waterfowl	Canvasback	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Waterfowl	Common goldeneye	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Nov-Apr	-	-	-
	Waterfowl	Greater scaup	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Waterfowl	Lesser scaup	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Waterfowl	Long-tailed duck	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Waterfowl	Mallard	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	-	-	-	-
	Waterfowl	Scoters	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Apr-May	Sep-Nov	-	-
252	Gull/Tern	Least tern	General Distribution	T/T		10S													Apr-Aug	-	-	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Present													Mar-Aug	-	-	-	-
253	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	10S													Mar-Aug	-	-	-	-
	Wading	Great egret	General Distribution	T/-		7	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-	-
254	Gull/Tern	Common tern	General Distribution	E/T		2													May-Aug	-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		4													Apr-Aug	-	-	-	-
	Raptor	Osprey	General Distribution	-/C		2													Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Wading	Great egret	General Distribution	T/-		10S	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-	-
	Wading	Snowy egret	General Distribution	T/-		2													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					
501	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
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
686	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bay anchovy	Nursery Area			Abundant													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Nursery	Northern puffer	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	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 Resident	Atlantic silverside	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Fourspine stickleback	Nursery Area			Common													Apr-Jul	Apr-Jul	May-Aug	May-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	Pollock	Nursery Area			Common													-	-	Mar-Apr	Jan-Apr	Jan-Apr
687	Estuarine Nursery	Atlantic menhaden	Nursery Area			Common													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
688	Estuarine Nursery	Black sea bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Winter flounder	Spawning Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Abundant													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
689	Marine Benthic	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Jan-Dec	Jan-Dec
	Marine Benthic	Little skate	Nursery Area			Common													Jan-Dec	Jan-Dec	-	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					
839	Wetland	Northern gamma grass	Vulnerable Occurrence	-	T	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					
963	Turtle	Diamondback terrapin	Vulnerable Occurrence	C/-		Present													Jun-Jul	Aug-Oct	-	Jan-Dec	Jan-Dec
970	Turtle	K. ridley sea turtle	Vulnerable Occurrence	E/E	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					
997	Crab	Horseshoe crab	Spawning Area			Present													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
1003	Crab	Horseshoe crab	Spawning Area			High													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
1008	Bivalve	Atlantic surfclam	Harvest Area			Present													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Bay scallop	Harvest Area			Low													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Bivalve	Blue mussel	Harvest Area			Low													Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
	Bivalve	Eastern oyster	Harvest Area			High													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			Low													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Harvest Area			High													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Crab	Horseshoe crab	Nursery Area			Common													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	Gastropod	Channeled whelk	Harvest Area			High													Sep-Nov	Sep-Nov	-	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		2													-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
		Least tern	General Distribution	T/T		5													Apr-Aug	-	-	-
		Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-
		Piping plover	General Distribution	T/E	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	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
	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


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					
	Marine Benthic	Cunner	Nursery Area		Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		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
	Marine Pelagic	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	Present													-	-	-	Jun-Nov	-
		K. ridley sea turtle	General Distribution	E/E	Present													-	-	-	Jun-Nov	-
		Loggerhead sea turtle	General Distribution	T/T	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				
	Diving	D. crested cormorant												Mar-Aug	-	-	-
		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 crow												Mar-Aug	-	-	-
		American goldfinch												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				
	American robin													Mar-Aug	-	-	-
	Baltimore oriole													Apr-Aug	-	-	-
	Bank swallow													Apr-Aug	-	-	-
	Barn Swallow													Apr-Aug	-	-	-
	Belted kingfisher													Mar-Aug	-	-	-
	Black-capped chickadee													Mar-Aug	-	-	-
	Black & white warbler													Apr-Oct	Apr-Jun	Sep-Oct	-
	Blue jay													Apr-Aug	Mar-May	Sep-Oct	-
	Boat-tailed grackle													Apr-Jun	-	-	-
	Carolina wren													Apr-Jul	-	-	-
	Common grackle													Mar-Aug	-	-	-
	Common yellowthroat													Apr-Aug	-	-	-
	Downy woodpecker													Mar-Aug	-	-	-
	Eastern kingbird													Apr-Aug	-	-	-
	Eastern phoebe													May-Jul	Apr-May	Sep-Nov	-
	European starling													Mar-Aug	-	-	-
	Fish crow													Mar-Aug	-	-	-
	Gray catbird													Mar-Aug	-	-	-
	House finch													Mar-Aug	-	-	-
	House sparrow													Mar-Aug	-	-	-
	Marsh wren													Apr-Aug	-	-	-
	Mourning dove													Mar-Aug	-	-	-
	N. r.-winged swallow													Apr-Aug	-	-	-
	Northern cardinal													Mar-Aug	-	-	-
	Northern flicker													Mar-Aug	-	-	-
	Northern mockingbird													Mar-Aug	-	-	-
	Prairie warbler													Apr-Aug	-	-	-
	Red-bellied woodpecker													Jun-Jul	Apr-May	Aug-Nov	-
	Red-winged blackbird													Mar-Aug	-	-	-
	Song sparrow													Mar-Aug	-	-	-
	Swamp sparrow													Mar-Aug	-	-	-
	Tree swallow													Mar-Aug	-	-	-
	Warbling vireo													Apr-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	-	-	-
	Green heron													Apr-Aug	-	-	-
	Sora													-	-	Sep-Oct	-




BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	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												-	-	-	-
		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					
	Freshwater	Pumpkinseed												May-Jun	May-Jun	May-Jul	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	Eastern oyster												Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Northern quahog												Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Ribbed mussel												Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
		Softshell clam												Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Cephalopod	Longfin squid												May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Crab	Green crab												Mar-Sep	Mar-Sep	May-Oct	Jan-Dec	Jan-Dec
		Horseshoe crab												May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
		Lady crab												Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec

INVERTEBRATES (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Spider crabs													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
	Mantis shrimp													Feb-May	Feb-May	Feb-May	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				
	Bottlenose dolphin													-	-	-	-
	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	129.60	0.20
 10B	Freshwater Marshes	5.87	0.01
 10C	Swamps	1.06	0.00
 10D	Scrub and Shrub Wetlands	1.54	0.00
 9A	Sheltered Tidal Flats	656.07	1.03

ESI SHORELINE HABITAT TYPES

ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
 10A	Salt and Brackish Water Marshes	13,295.72	8.26	13%
 10B	Freshwater Marshes	33.61	0.02	< 1%
 10D	Scrub and Shrub Wetlands	264.07	0.16	< 1%
 9A	Sheltered Tidal Flats	24,471.01	15.21	24%
 9B	Vegetated Low Banks	28,011.95	17.41	28%
 8B	Sheltered, Solid Man-Made Structures	6,763.38	4.20	7%
 8C	Sheltered Riprap	1,813.19	1.13	2%
 6B	Riprap	2,015.68	1.25	2%
 5	Mixed Sand and Gravel Beaches	21,454.42	13.33	21%
 3A	Fine to Medium Grained Sand Beaches	66.32	0.04	< 1%
 3B	Scarps and Steep Slopes (Sand)	1,327.74	0.83	1%
 1B	Exposed, Solid Man-Made Structures	501.18	0.31	1%

Total ESI Shoreline:	100,018.28	Total ESI Shoreline:	62.15
Total Shoreline:	55,333.53	Total Shoreline:	34.38

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

