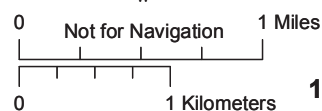


Map 20B
Long Island Sound



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



1:50,000



Map 20B
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				
4	Passerine	Seaside sparrow	General Distribution	T/C		Present													May-Aug	-	-	-
23	Wading	Least bittern	General Distribution	T/T		Present													Apr-Aug	Apr	Aug-Sep	-
54	Wading	YC night-heron	General Distribution	C/-		Present													Mar-Aug	-	-	-
169	Gull/Tern	Common tern	Concentration Area	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Least tern	Nesting	T/T		Present													Apr-Aug	-	-	-
	Passerine	Barn Swallow	Nesting			Present													Apr-Aug	-	-	-
	Passerine	Belted kingfisher	Nesting			Present													Mar-Aug	-	-	-
	Passerine	Red-winged blackbird	Nesting			Present													Mar-Aug	-	-	-
	Passerine	Saltmarsh sparrow	Nesting			Present													May-Aug	-	-	-
	Passerine	Tree swallow	Nesting			Present													Mar-Aug	-	-	-
	Raptor	Eastern screech owl	Nesting			Present													Jan-Apr	-	-	-
	Raptor	Osprey	Nesting	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	American oystercatcher	Nesting	T/-		Present													Mar-Aug	-	-	-
	Shorebird	Black-bellied plover	Migration			Present													-	Aug-May	-	-
	Shorebird	Dunlin	Migration			Present													-	Apr-May	Oct-Nov	-
	Shorebird	Greater yellowlegs	Migration			Present													-	May-Jun	Sep-Oct	-
	Shorebird	Least sandpiper	Migration			Present													-	Apr-Jun	Aug-Oct	-
	Shorebird	Lesser yellowlegs	Migration			Present													-	Apr-Jun	Aug-Oct	-
	Shorebird	Piping plover	Nesting	T/E	T	Present													Mar-Aug	-	-	-
	Shorebird	Red knot	Migration		T	Present													-	May-Jun	Sep-Nov	-
	Shorebird	Ruddy turnstone	Migration			Present													-	Mar-May	Aug-Nov	-
	Shorebird	Sanderling	Migration			Present													-	Sep-Jun	-	-
	Shorebird	Semipalmated plover	Migration			Present													-	Apr-Jun	Sep-Nov	-
	Shorebird	Semipalmated sandpiper	Concentration Area			Present													-	-	Jul-Oct	-
	Shorebird	Shorebirds	Migration			Present													-	Jan-Dec	-	-
	Shorebird	Short-billed dowitcher	Migration			Present													-	-	Aug-Oct	-
	Shorebird	Spotted sandpiper	Migration			Present													-	Apr-Jun	Jul-Oct	-
	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/-		5													Mar-Aug	-	-	-
	Wading	Green heron	Nesting			Present													Apr-Aug	-	-	-
	Wading	Little blue heron	Concentration Area	C/-		Present													Apr-Aug	-	-	-
	Wading	Snowy egret	Concentration Area	T/-		Present													Mar-Aug	-	-	-
	Wading	Snowy egret	General Distribution	T/-		8													Mar-Aug	-	-	-
	Waterfowl	American black duck	Wintering			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Canada goose	Nesting			Present													Mar-Aug	Jan-Dec	-	-

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	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	Mallard	Nesting			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Waterfowl	Mallard	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Waterfowl	Waterfowl	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Jan-Dec	-	-
170	Gull/Tern	Black skimmer	Vulnerable Occurrence	-/C		Present		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Gull/Tern	Black tern	Wintering			Present		F	M	A	M	J	J	A	S	O	N	D	-	-	Jul-Sep	-
	Gull/Tern	Common tern	Vulnerable Occurrence	E/T		Present		F	M	A	M	J	J	A	S	O	N	D	May-Aug	-	-	-
	Gull/Tern	Least tern	Vulnerable Occurrence	T/T		Present		F	M	A	M	J	J	A	S	O	N	D	Apr-Aug	-	-	-
	Gull/Tern	Roseate tern	Vulnerable Occurrence	E/E	E	Present		F	M	A	M	J	J	A	S	O	N	D	May-Aug	-	-	-
	Raptor	Northern harrier	Vulnerable Occurrence	E/T		Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Raptor	Osprey	Nesting	-/C		Present		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	Piping plover	Vulnerable Occurrence	T/E	T	Present		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Wading	BC night-heron	Vulnerable Occurrence			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Wading	Great egret	Vulnerable Occurrence	T/-		Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Wading	Green heron	Vulnerable Occurrence			Present		F	M	A	M	J	J	A	S	O	N	D	Apr-Aug	-	-	-
	Wading	Hérons	Concentration Area			Present	J	F	M	A	M	J	J	A	S	O	N	D	Jan-Dec	Jan-Dec	-	-
	Wading	Snowy egret	Vulnerable Occurrence	T/-		Present		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Waterfowl	American black duck	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	Apr-May	Mar-Apr	Sep-Nov	-
	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	Waterfowl	Migration			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Jan-Dec	-	-
	Waterfowl	Waterfowl	Wintering			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Jan-Dec	-	-
171	Passerine	Seaside sparrow	General Distribution	T/C		Present		F	M	A	M	J	J	A	S	O	N	D	May-Aug	-	-	-
	Wading	Least bittern	General Distribution	T/T		Present		F	M	A	M	J	J	A	S	O	N	D	Apr-Aug	Apr	Aug-Sep	-
	Wading	YC night-heron	General Distribution	C/-		Present		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
172	Passerine	Fish crow	Nesting			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Passerine	Marsh wren	Nesting			Present		F	M	A	M	J	J	A	S	O	N	D	Apr-Aug	-	-	-
	Passerine	Passerine birds	Migration			Present	J	F	M	A	M	J	J	A	S	O	N	D	Jan-Dec	Jan-Dec	-	-
	Raptor	Raptors	Migration			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Jan-Dec	-	-
	Wading	Clapper rail	Nesting			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Wading	Green heron	Nesting			Present		F	M	A	M	J	J	A	S	O	N	D	Apr-Aug	-	-	-
	Wading	Hérons	Migration			Present	J	F	M	A	M	J	J	A	S	O	N	D	Jan-Dec	Jan-Dec	-	-
	Wading	YC night-heron	Nesting	C/-		Present		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Waterfowl	American black duck	Nesting			Present	J	F	M	A	M	J	J	A	S	O	N	D	Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Canada goose	Nesting			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	Jan-Dec	-	-
	Waterfowl	Mallard	Nesting			Present	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Waterfowl	Waterfowl	Migration			Present	J	F	M	A	M	J	J	A	S	O	N	D	-	Jan-Dec	-	-
173	Raptor	Osprey	General Distribution	-/C		Present		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	Mar-Jun	Jul-Nov	-
174	Shorebird	Red knot	General Distribution		T	Present		F	M	A	M	J	J	A	S	O	N	D	-	May-Jun	Sep-Nov	-
175	Gull/Tern	Common tern	General Distribution	E/T		4		F	M	A	M	J	J	A	S	O	N	D	May-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		2		F	M	A	M	J	J	A	S	O	N	D	Apr-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		2		F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	4		F	M	A	M	J	J	A	S	O	N	D	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				
176	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	8													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					
449	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
501	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
513	Estuarine Resident	Striped killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
636	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 Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
651	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	Winter flounder	Nursery Area			Abundant													Feb-May	Feb-May	Mar-Jun	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	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
656	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Scup	Nursery Area			Common													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
657	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 Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec

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

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	6													-	-	-	-
		Common loon	General Distribution	C/C	10S													-	-	-	-
		Pied-billed grebe	General Distribution	E/T	Present													-	-	-	-
		Pied-billed grebe	General Distribution	E/T	2													-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T	Present													May-Aug	-	-	-
		Least tern	General Distribution	T/T	Present													Apr-Aug	-	-	-
	Raptor	Peregrine falcon	General Distribution	T/E	Present													Mar-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-	Present													Mar-Aug	-	-	-
		Piping plover	General Distribution	T/E T	Present													Mar-Aug	-	-	-
	Wading	BC night-heron	Nesting		Present													Mar-Aug	-	-	-
		Egrets	Nesting		Present													Jan-Dec	-	-	-
		Herons	Nesting		Present													Jan-Dec	Jan-Dec	-	-
		Snowy egret	Nesting	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
	Estuarine Nursery	Striped bass	Nursery Area		Common													-	-	-	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
		Bluefish	Nursery Area		Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
		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		Common													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
		Windowpane	Nursery Area		Common													Apr-Oct	Apr-Oct	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Resident	Winter flounder	Nursery Area		Common													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
	Marine Benthic	Atlantic tomcod	Nursery Area		Common													Nov-Feb	Nov-Mar	Dec-May	Jan-Dec	Jan-Dec
		Cunner	Nursery Area		Common													May-Aug	May-Aug	May-Aug	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
		Smooth dogfish	Nursery Area		Common													-	-	-	May-Oct	May-Oct
		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


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					
	Bivalve	Eastern oyster	Harvest Area		Low													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Northern quahog	Harvest Area		Moderate													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Softshell clam	Harvest Area		Low													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Crab	Blue crab	Nursery Area		Common													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
		Horseshoe crab	Nursery Area		Common													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	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				
	D. crested cormorant													Mar-Aug	-	-	-
	Great cormorant													-	-	-	-
	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	-	-	-
	American robin													Mar-Aug	-	-	-
	Bank swallow													Apr-Aug	-	-	-
	Barn Swallow													Apr-Aug	-	-	-
	Belted kingfisher													Mar-Aug	-	-	-
	Blue jay													Apr-Aug	Mar-May	Sep-Oct	-
	Cedar waxwing													Mar-Aug	-	-	-
	Common grackle													Mar-Aug	-	-	-
	Common yellowthroat													Apr-Aug	-	-	-
	Eastern kingbird													Apr-Aug	-	-	-
	Eastern towhee													Mar-Aug	-	-	-
	Marsh wren													Apr-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				
	Mourning dove													Mar-Aug	-	-	-
	N. r.-winged swallow													Apr-Aug	-	-	-
	Northern mockingbird													Mar-Aug	-	-	-
	Red-winged blackbird													Mar-Aug	-	-	-
	RT hummingbird													Apr-Aug	-	-	-
	Saltmarsh sparrow													May-Aug	-	-	-
	Song sparrow													Mar-Aug	-	-	-
	Willow flycatcher													May-Aug	-	-	-
	Yellow warbler													Apr-Aug	-	-	-
 Pelagic	Northern gannet													-	-	-	-
 Shorebird	Black-bellied plover													-	Aug-May	-	-
	Dunlin													-	Apr-May	Oct-Nov	-
	Greater yellowlegs													-	May-Jun	Sep-Oct	-
	Least sandpiper													-	Apr-Jun	Aug-Oct	-
	Lesser yellowlegs													-	Apr-Jun	Aug-Oct	-
	Sanderling													-	Sep-Jun	-	-
	Semipalmated plover													-	Apr-Jun	Sep-Nov	-
	Semipalmated sandpiper													-	-	Jul-Oct	-
	Short-billed dowitcher													-	-	Aug-Oct	-
	Spotted sandpiper													-	Apr-Jun	Jul-Oct	-
 Wading	BC night-heron													Mar-Aug	-	-	-
	Clapper rail													Mar-Aug	-	-	-
	Great blue heron													Mar-Aug	-	-	-
	Green heron													Apr-Aug	-	-	-
	Virginia rail													Mar-Aug	-	-	-
 Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
	American coot													-	-	-	-
	American wigeon													-	-	-	-
	Barrow's goldeneye													-	-	-	-
	Black brant													-	May	Oct	-
	Black scoter													-	-	-	-
	Bufflehead													-	Oct-Jun	-	-
	Canada goose													Mar-Aug	Jan-Dec	-	-
	Canvasback													-	-	-	-
	Common goldeneye													-	Nov-Apr	-	-
	Common merganser													-	-	-	-
	Eurasian wigeon													-	-	-	-
	Gadwall													Jan-Dec	-	-	-
	Greater scaup													-	-	-	-
	Green-winged teal													-	Mar-Apr	Sep-Oct	-
	Hooded merganser													-	-	-	-
	King eider													-	-	-	-
	Lesser scaup													-	-	-	-
	Long-tailed duck													-	-	-	-




BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	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	-	-



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
	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	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








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	104.58	0.16
	10B	Freshwater Marshes	3.84	0.01
	10C	Swamps	21.80	0.03
	10D	Scrub and Shrub Wetlands	17.92	0.03
	9A	Sheltered Tidal Flats	74.36	0.12
	7	Exposed Tidal Flats	20.02	0.03
	2A	Exposed Wave-Cut Platforms In Bedrock	25.52	0.04

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	11,644.54	7.24	9%
	10B	Freshwater Marshes	49.33	0.03	< 1%
	10C	Swamps	15.91	0.01	< 1%
	10D	Scrub and Shrub Wetlands	860.37	0.53	1%
	9A	Sheltered Tidal Flats	9,343.38	5.81	7%
	9B	Vegetated Low Banks	21,586.21	13.41	17%
	8A	Sheltered, Impermeable, Rocky Shores	288.66	0.18	< 1%
	8B	Sheltered, Solid Man-Made Structures	14,012.63	8.71	11%
	8C	Sheltered Riprap	1,927.05	1.20	1%
	7	Exposed Tidal Flats	2,355.61	1.46	2%
	6A	Gravel Beaches	6,370.13	3.96	5%
	6B	Riprap	12,861.91	7.99	10%
	5	Mixed Sand and Gravel Beaches	9,937.92	6.18	8%
	4	Coarse Grained Sand Beaches	9,642.69	5.99	7%
	3A	Fine to Medium Grained Sand Beaches	199.57	0.12	< 1%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	9,694.34	6.02	7%
	1A	Exposed, Rocky Shores	787.40	0.49	1%
	1B	Exposed, Solid Man-Made Structures	18,464.24	11.47	14%

Total ESI Shoreline:	130,041.92	Total ESI Shoreline:	80.80
Total Shoreline:	79,807.87	Total Shoreline:	49.59

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

