

Map 22C
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				
10	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
143	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
212	Diving	D. crested cormorant	Nesting			Present													Mar-Aug	-	-	-
	Gull/Tern	Common tern	Nesting	E/T		Present													May-Aug	-	-	-
	Gull/Tern	G. black-backed gull	Nesting			Present													Mar-Aug	-	-	-
	Gull/Tern	Least tern	Nesting	T/T		Present													Apr-Aug	-	-	-
	Passerine	Fish crow	Nesting			Present													Mar-Aug	-	-	-
	Passerine	Horned lark	Nesting	E/C		Present													Mar-May	-	-	-
	Passerine	Red-winged blackbird	Nesting			Present													Mar-Aug	-	-	-
	Raptor	Osprey	Nesting	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	Piping plover	Nesting	T/E	T	Present													Mar-Aug	-	-	-
	Wading	BC night-heron	Nesting			Present													Mar-Aug	-	-	-
	Wading	Egrets	Concentration Area			Present													Jan-Dec	-	-	-
	Wading	Great egret	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	Green heron	Nesting			Present													Apr-Aug	-	-	-
	Wading	Heron	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Wading	Snowy egret	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	YC night-heron	Nesting	C/-		Present													Mar-Aug	-	-	-
	Waterfowl	American black duck	Wintering			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Bufflehead	Wintering			Present													-	Oct-Jun	-	-
	Waterfowl	Canada goose	Wintering			Present													Mar-Aug	Jan-Dec	-	-
	Waterfowl	Common goldeneye	Wintering			Present													-	Nov-Apr	-	-
	Waterfowl	Long-tailed duck	Wintering			Present													-	-	-	-
	Waterfowl	Mallard	Wintering			Present													Mar-Aug	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			Present													-	-	-	-
	Waterfowl	Scaup	Wintering			Present													-	Mar-Apr	Oct-Nov	-
224	Gull/Tern	Least tern	Nesting	T/T		Present													Apr-Aug	-	-	-
227	Gull/Tern	Common tern	Concentration Area	E/T		Present													May-Aug	-	-	-
	Raptor	Osprey	Nesting	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Wading	Heron	Migration			Present													Jan-Dec	Jan-Dec	-	-
	Waterfowl	American black duck	Wintering			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Bufflehead	Wintering			Present													-	Oct-Jun	-	-
	Waterfowl	Canada goose	Wintering			Present													Mar-Aug	Jan-Dec	-	-
	Waterfowl	Greater scaup	Wintering			Present													-	-	-	-
	Waterfowl	Lesser scaup	Wintering			Present													-	-	-	-
	Waterfowl	Mallard	Wintering			Present													Mar-Aug	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			Present													-	-	-	-

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				
231	Waterfowl	Waterfowl	Migration			Present													-	Jan-Dec	-	-
	Gull/Tern	Roseate tern	Concentration Area	E/E	E	Present													May-Aug	-	-	-
	Passerine	Horned lark	Concentration Area	E/C		Present													Mar-May	-	-	-
	Raptor	Red-tailed hawk	Concentration Area			Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Present													Mar-Aug	-	-	-
232	Wading	Egrets	Concentration Area			Present													Jan-Dec	-	-	-
	Wading	Heron	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Wading	YC night-heron	Concentration Area	C/-		Present													Mar-Aug	-	-	-
	Diving	Common loon	General Distribution	C/C		2													-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		5													Apr-Aug	-	-	-
233	Shorebird	American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Raptor	Osprey	General Distribution	-C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
234	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Gull/Tern	Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
235	Wading	YC night-heron	General Distribution	C/-		Present													Mar-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
	Wading	YC night-heron	General Distribution	C/-		Present													Mar-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
236	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
	Wading	YC night-heron	General Distribution	C/-		Present													Mar-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
	Wading	YC night-heron	General Distribution	C/-		Present													Mar-Aug	-	-	-
237	Gull/Tern	Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
	Raptor	Osprey	General Distribution	-C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		Present													Mar-Aug	-	-	-
238	Wading	Snowy egret	General Distribution	T/-		Present													Mar-Aug	-	-	-
	Wading	YC night-heron	General Distribution	C/-		Present													Mar-Aug	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		100S													May-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-
	Gull/Tern	Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
239	Shorebird	American oystercatcher	General Distribution	T/-		8													Mar-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	4													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		100S													Mar-Aug	-	-	-
	Wading	Snowy egret	General Distribution	T/-		10S													Mar-Aug	-	-	-
	Gull/Tern	Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
240	Gull/Tern	Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		100S													May-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		8													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					
242	Shorebird	Piping plover	General Distribution	T/E	T	4													Mar-Aug	-	-	-	-
	Wading	Great egret	General Distribution	T/-		100S													Mar-Aug	-	-	-	-
	Wading	Snowy egret	General Distribution	T/-		10S													Mar-Aug	-	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		100S													May-Aug	-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-	-
243	Shorebird	Piping plover	General Distribution	T/E	T	10													Mar-Aug	-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	10													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					
679	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	Brown trout (sea run)	Migration			Uncommon													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Sep-Jan
	Diadromous	Sea lamprey	Spawning Area			Common													May-Jun	May-Jun	Jan-Dec	Apr-Jul	Apr-Jul
	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
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Sheepshead minnow	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			Common													Sep-Dec	Sep-Apr	Feb-May	Jan-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
680	Diadromous	Alewife	Nursery Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bluefish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Winter flounder	Nursery Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	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	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	Sheepshead minnow	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped killifish	Nursery Area			Abundant													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
681	Estuarine Nursery	Atlantic menhaden	Nursery Area			Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bluefish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
682	Diadromous	Alewife	Nursery Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Diadromous	American eel	Migration			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	American shad	Nursery Area			Common													May-Jul	May-Jul	May-Aug	Jun-Nov	Apr-Jul
	Diadromous	Blueback herring	Migration	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic herring	Nursery Area			Abundant													-	-	Mar-May	Jan-Dec	Jan-Dec

FISH (continued)

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					
	Estuarine Nursery	Bay anchovy	Nursery Area			Common													May-Sep	May-Sep	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Nursery	Black sea bass	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Hogchoker	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Nursery	Scup	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Summer flounder	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Estuarine Nursery	Weakfish	Nursery Area			Abundant													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
	Fish	Atlantic moonfish	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Jan-Dec	Jan-Dec
	Marine Benthic	Cunner	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Little skate	Nursery Area			Common													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
	Marine Benthic	Northern searobin	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
	Marine Benthic	Red hake	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
	Marine Benthic	Silver hake	Nursery Area			Common													-	-	May-Oct	Mar-Nov	Mar-Nov
	Marine Benthic	Smooth dogfish	Nursery Area			Common													-	-	-	May-Oct	May-Oct
	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	Jan-Dec	Jan-Dec
	Marine Pelagic	Atlantic mackerel	Nursery Area			Common													Apr-Jun	Apr-Jun	Apr-Jun	Apr-Nov	Apr-Nov
	Marine Pelagic	Butterfish	Nursery Area			Abundant													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
683	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	Brown trout	Nursery Area			Common													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
	Freshwater	Brook trout	Nursery Area			Common													Sep-Dec	Sep-Apr	Feb-May	Jan-Dec	Jan-Dec
684	Freshwater	Banded 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												Spawn	Eggs	Larvae	Juveniles	Adults
				S	F		J	F	M	A	M	J	J	A	S	O	N	D					
857	FAV	Small floating bladderwort	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
858	Plant	Goldenclub	Vulnerable Occurrence	C/T		19													-	-	-	-	-
	Plant	Saltmarsh bulrush	Vulnerable Occurrence	C/-		Present													-	-	-	-	-
	Plant	White edge sedge	Vulnerable Occurrence	-/T		50													-	-	-	-	-
859	Plant	Terrestrial starwort	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
966	Turtle	Green sea turtle	General Distribution	T/T	T	Present													-	-	-	Jun-Nov	-
	Turtle	K. ridley sea turtle	General Distribution	E/E	E	Present													-	-	-	Jun-Nov	-
	Turtle	Loggerhead sea turtle	General Distribution	T/T	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
1006	Bivalve	Atlantic surfclam	Harvest Area			Present													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Eastern oyster	Harvest Area			Low													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			Moderate													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Crab	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









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				
1036	Dolphin	Harbor porpoise	General Distribution	C/C		Present													-	-	-	-

TERRESTRIAL MAMMALS

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					
1055	Small Mammal	Northern river otter	Vulnerable Occurrence			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	-
		Belted kingfisher													Mar-Aug	-	-	-
		Fish crow													Mar-Aug	-	-	-
		Marsh wren													Apr-Aug	-	-	-
		Prothonotary warbler													-	Apr-May	-	-
	Pelagic	Black-legged kittiwake													-	-	-	-
		Northern gannet													-	-	-	-
	Raptor	Red-tailed hawk													Mar-Aug	-	-	-
	Shorebird	Semipalmated sandpiper													-	-	Jul-Oct	-
		Spotted sandpiper													-	Apr-Jun	Jul-Oct	-
	Wading	BC night-heron													Mar-Aug	-	-	-
		Clapper rail													Mar-Aug	-	-	-
	Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-





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 wigeon													-	-	-	-
	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	-	-	-
	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					
	Diadromous													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
	Brown trout													-	-	-	Jan-Dec	Jan-Dec
	Freshwater													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec
	Black crappie													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Bluegill													May-Jul	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
	Brown bullhead													Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec
	Chain pickerel													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
	Largemouth bass													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Pumpkinseed													Mar-May	Mar-May	Mar-May	Jan-Dec	Jan-Dec
	Redfin pickerel													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Smallmouth bass													Apr-May	Apr-May	Apr-Jun	Jan-Dec	Jan-Dec
	Tessellated darter													Mar-May	Mar-May	Mar-Aug	Jan-Dec	Jan-Dec
	Yellow perch																	

INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Bivalve													Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
	Blue mussel													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Eastern oyster													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Northern quahog													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
	Ribbed mussel													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Cephalopod													May-Sep	May-Sep	May-Sep	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

	<i>ESI Rank</i>	<i>Habitat Classification</i>	<i>Area (Acres)</i>	<i>Area (Sq. Miles)</i>
	10A	Salt and Brackish Water Marshes	310.98	0.49
	10B	Freshwater Marshes	21.17	0.03
	10C	Swamps	295.57	0.46
	10D	Scrub and Shrub Wetlands	31.91	0.05
	9A	Sheltered Tidal Flats	857.94	1.34

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	39,755.42	24.70	30%
	10B	Freshwater Marshes	64.38	0.04	< 1%
	10C	Swamps	1,232.48	0.77	1%
	10D	Scrub and Shrub Wetlands	3,269.00	2.03	2%
	9A	Sheltered Tidal Flats	37,746.62	23.45	29%
	9B	Vegetated Low Banks	38,736.08	24.07	30%
	8B	Sheltered, Solid Man-Made Structures	1,552.92	0.96	1%
	6B	Riprap	295.18	0.18	< 1%
	5	Mixed Sand and Gravel Beaches	4,816.80	2.99	4%
	4	Coarse Grained Sand Beaches	1,602.82	1.00	1%
	3B	Scarps and Steep Slopes (Sand)	964.43	0.60	1%
	1B	Exposed, Solid Man-Made Structures	934.34	0.58	1%

Total ESI Shoreline:	130,970.48	Total ESI Shoreline:	81.38
Total Shoreline:	66,409.52	Total Shoreline:	41.26

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

