

Map 30A
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 30A
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

BENTHIC

	Subelement	Species	Mapping Qualifier	CT/NY		Concentration	Monthly Presence											
				S	F		J	F	M	A	M	J	J	A	S	O	N	D
	SAV	Eelgrass	High Ecological Value			Present												

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				
152	Diving	Common loon	General Distribution	C/C		Present													-	-	-	-
389	Diving	Common loon	Concentration Area	C/C		Present													-	-	-	-
	Gull/Tern	Common tern	Concentration Area	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
	Gull/Tern	Least tern	Concentration Area	T/T		Present													Apr-Aug	-	-	-
	Passerine	Passerine birds	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Raptor	Northern harrier	Concentration Area	E/T		Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	Concentration Area	T/E	T	Present													Mar-Aug	-	-	-
	Wading	Herons	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Waterfowl	American black duck	Concentration Area			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Canada goose	Wintering			Present													Mar-Aug	Jan-Dec	-	-
	Waterfowl	Mallard	Concentration Area			Present													Mar-Aug	-	-	-
	Waterfowl	Mergansers	Concentration Area			Present													-	Apr-May	Oct-Nov	-
	Waterfowl	Waterfowl	Concentration Area			Present													-	Jan-Dec	-	-
390	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-Aug	-	-	-
	Raptor	Northern harrier	Nesting	E/T		Present													Mar-Aug	-	-	-
	Raptor	Osprey	Concentration Area	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Raptor	Short-eared owl	General Distribution	T/E		Present													-	Oct-Apr	-	-
	Wading	Egrets	Concentration Area			Present													Jan-Dec	-	-	-
	Wading	Herons	Concentration Area			Present													Jan-Dec	Jan-Dec	-	-
	Wading	Least bittern	General Distribution	T/T		Present													Apr-Aug	Apr	Aug-Sep	-
	Wading	Least bittern	Nesting	T/T		Present													Apr-Aug	Apr	Aug-Sep	-
	Waterfowl	American black duck	Nesting			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Canada goose	Nesting			Present													Mar-Aug	Jan-Dec	-	-
	Waterfowl	Hooded merganser	Wintering			Present													-	-	-	-
	Waterfowl	Mallard	Nesting			Present													Mar-Aug	-	-	-
	Waterfowl	Redhead	Wintering			Present													-	Nov-Mar	-	-
	Waterfowl	Waterfowl	Wintering			Present													-	Jan-Dec	-	-
391	Diving	Common loon	General Distribution	C/C		Present													-	-	-	-
	Waterfowl	American black duck	Wintering			Present													Apr-May	Mar-Apr	Sep-Nov	-
	Waterfowl	Canada goose	Wintering			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					
392	Waterfowl	Scaup	Wintering			Present													-	Mar-Apr	Oct-Nov	-	-
	Waterfowl	Waterfowl	Wintering			Present													-	Jan-Dec	-	-	-
	Waterfowl	White-winged scoter	Concentration Area			Present													-	Sep-May	-	-	-
	Diving	Common loon	General Distribution	C/C		Present													-	-	-	-	-
	Passerine	American goldfinch	Nesting			Present													Mar-Aug	-	-	-	-
	Passerine	Bank swallow	Nesting			Present													Apr-Aug	-	-	-	-
	Passerine	Blue-gray gnatcatcher	Nesting			Present													May-Jul	Apr-May	Aug-Sep	-	-
	Passerine	Yellow-billed cuckoo	Nesting			Present													May-Aug	May-Jun	Sep-Oct	-	-
	Raptor	Great horned owl	Nesting			Present													Jan-Apr	-	-	-	-
	Raptor	Northern harrier	Nesting	E/T		Present													Mar-Aug	-	-	-	-
393	Waterfowl	Common eider	Wintering			Present													Sep-May	-	-	-	-
	Waterfowl	Long-tailed duck	Wintering			Present													-	-	-	-	-
	Waterfowl	Mallard	Wintering			Present													Mar-Aug	-	-	-	-
	Waterfowl	White-winged scoter	Wintering			Present													-	Sep-May	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-	-
	Passerine	Black & white warbler	Nesting			Present													Apr-Oct	Apr-Jun	Sep-Oct	-	-
	Passerine	Prairie warbler	Nesting			Present													Apr-Aug	-	-	-	-
	Passerine	Whip-poor-will	General Distribution	C/C		Present													May-Aug	-	-	-	-
	Passerine	Whip-poor-will	Nesting	C/C		Present													May-Aug	-	-	-	-
	Raptor	Northern harrier	Vulnerable Occurrence	E/T		Present													Mar-Aug	-	-	-	-
394	Raptor	Red-shouldered hawk	General Distribution	-/C		Present													Mar-Aug	-	-	-	-
	Wading	Least bittern	General Distribution	T/T		Present													Apr-Aug	Apr	Aug-Sep	-	-
	Gull/Tern	Bonaparte's gull	Concentration Area			Present													-	-	-	-	-
	Gull/Tern	G. black-backed gull	Concentration Area			Present													Mar-Aug	-	-	-	-
	Gull/Tern	Herring gull	Concentration Area			Present													Mar-Aug	-	-	-	-
	Gull/Tern	Ring-billed gull	Concentration Area			Present													-	-	-	-	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Raptor	Osprey	Vulnerable Occurrence	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Wading	Least bittern	General Distribution	T/T		Present													Apr-Aug	Apr	Aug-Sep	-	-
	Wading	Least bittern	Nesting	T/T		Present													Apr-Aug	Apr	Aug-Sep	-	-
395	Waterfowl	American black duck	Migration			Present													Apr-May	Mar-Apr	Sep-Nov	-	-
	Waterfowl	Canada goose	Concentration Area			Present													Mar-Aug	Jan-Dec	-	-	-
	Waterfowl	Mergansers	Migration			Present													-	Apr-May	Oct-Nov	-	-
	Waterfowl	Redhead	Migration			Present													-	Nov-Mar	-	-	-
	Waterfowl	Scoters	Migration			Present													-	Apr-May	Sep-Nov	-	-
	Waterfowl	Waterfowl	Concentration Area			Present													-	Jan-Dec	-	-	-
	Waterfowl	Waterfowl	Migration			Present													-	Jan-Dec	-	-	-
	Gull/Tern	Common tern	General Distribution	E/T		10													May-Aug	-	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		100S													Apr-Aug	-	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	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					
429	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
459	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
500	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
741	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped 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					
755	Plant	Scottish licorice-root	Vulnerable Occurrence	E/E		Low													-	-	-	-	-
759	FAV	Featherfoil	Vulnerable Occurrence	C/T		Present													-	-	-	-	-
883	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
889	Upland	Bushy rockrose	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
912	Plant	Southern arrowwood	High Ecological Value	-/T		Abundant													-	-	-	-	-
913	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		50													-	-	-	-	-
	Plant	Southern arrowwood	High Ecological Value	-/T		Abundant													-	-	-	-	-
914	Plant	Cosmopolitan bulrush	Vulnerable Occurrence	C/-		5													-	-	-	-	-
	Plant	Marsh straw sedge	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
	Plant	Mitchell's sedge	Vulnerable Occurrence	-/E		20													-	-	-	-	-
	Plant	Slender blue flag	Vulnerable Occurrence	-/T		315													-	-	-	-	-
	Plant	Slender seapurslane	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
915	Plant	Slender seapurslane	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		Present													-	-	-	-	-
916	Wetland	Saltmarsh spikerush	Vulnerable Occurrence			Abundant													-	-	-	-	-
917	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		75													-	-	-	-	-
	Plant	Ntip blue-eyed grass	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
918	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		60													-	-	-	-	-
	Plant	Hyss. thoroughwort	Vulnerable Occurrence			80													-	-	-	-	-
	Plant	Rare plant	Vulnerable Occurrence	-/E		Low													-	-	-	-	-
	Plant	Sandplain flax	Vulnerable Occurrence	-/T		Low													-	-	-	-	-
919	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		20													-	-	-	-	-
	Plant	Hyss. thoroughwort	Vulnerable Occurrence			80													-	-	-	-	-
	Upland	Sandplain gerardia	Vulnerable Occurrence	E/E	E	350													-	-	-	-	-
920	Plant	Midland sedge	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
921	Plant	Low. yell. loosestrife	Vulnerable Occurrence	-/E		Few													-	-	-	-	-
	Upland	Bushy rockrose	Vulnerable Occurrence	-/T		190													-	-	-	-	-
922	Plant	Whorled marshpennywort	Vulnerable Occurrence	E/E		Abundant													-	-	-	-	-
923	Plant	Clustered bluets	Vulnerable Occurrence	-/E		5,000													-	-	-	-	-
924	Plant	Dwarf bulrush	Vulnerable Occurrence	-/E		Abundant													-	-	-	-	-
925	Plant	Sandplain flax	Vulnerable Occurrence	-/T		100 - 150													-	-	-	-	-
926	Plant	Low. yell. loosestrife	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
927	Plant	Hyss. thoroughwort	Vulnerable Occurrence			165													-	-	-	-	-
928	Plant	Nantucket serviceberry	Vulnerable Occurrence	-/E		15													-	-	-	-	-

HABITATS & RARE PLANTS (continued)

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
929	Upland	Bushy rockrose	Vulnerable Occurrence	-T		Abundant												-
	Plant	Southern arrowwood	Vulnerable Occurrence	-T		Low												-
	Plant	Whorled marshpennywort	Vulnerable Occurrence	E/E		25												-
930	Plant	Nantucket serviceberry	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					
973	Turtle	Spotted turtle	Vulnerable Occurrence	C/C		Present													May-Jun	Aug-Sep	-	Jan-Dec	Jan-Dec
979	Snake	E. hog-nosed snake	Vulnerable Occurrence	C/C		Present													Jun	Aug	-	Jan-Dec	Jan-Dec
980	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		Present													May-Jun	Jul-Sep	-	Jan-Dec	Jan-Dec
	Turtle	Spotted turtle	Vulnerable Occurrence	C/C		Present													May-Jun	Aug-Sep	-	Jan-Dec	Jan-Dec
	Amphibian	B. spotted salamander	Vulnerable Occurrence	E/C		Present													Mar	Apr-May	-	Jan-Dec	Jan-Dec
981	Turtle	Spotted turtle	Vulnerable Occurrence	C/C		Present													May-Jun	Aug-Sep	-	Jan-Dec	Jan-Dec
	Amphibian	B. spotted salamander	Vulnerable Occurrence	E/C		Present													Mar	Apr-May	-	Jan-Dec	Jan-Dec
	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		Present													May-Jun	Jul-Sep	-	Jan-Dec	Jan-Dec
982	Amphibian	B. spotted salamander	Vulnerable Occurrence	E/C		Present													Mar	Apr-May	-	Jan-Dec	Jan-Dec
	Amphibian	Southern leopard frog	Vulnerable Occurrence	-C		Present													Mar	Mar	-	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					
998	Bivalve	Bay scallop	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Oct	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					
1041	Pinniped	Harbor seal	Haul Out			Present													-	-	-	-	-





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													-	-	-	-	-
		Common loon	Wintering	C/C		Present													-	-	-	-	-
		Pied-billed grebe	General Distribution	E/T		10S													-	-	-	-	-
	Gull/Tern	Black skimmer	General Distribution	-C		Present													Mar-Aug	-	-	-	-
		Common tern	General Distribution	E/T		10S													May-Aug	-	-	-	-
		Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-	-
	Raptor	Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-	-
		Northern harrier	General Distribution	E/T		Present													Mar-Aug	-	-	-	-
		American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-	-
		Black scoter	Rafting			Present													-	-	-	-	-


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				
	Bufflehead	Wintering			Present													-	Oct-Jun	-	-
	Common eider	Rafting			Present													Sep-May	-	-	-
	Common goldeneye	Wintering			Present													-	Nov-Apr	-	-
	Harlequin duck	Wintering			Present													-	Mar-May	Nov-Dec	-
	King eider	Wintering			Present													-	-	-	-
	Long-tailed duck	Rafting			Present													-	-	-	-
	Red-breasted merganser	Wintering			Present													-	-	-	-
	Scoters	Rafting			Present													-	Apr-May	Sep-Nov	-
	Surf scoter	Rafting			Present													-	-	-	-
	Waterfowl	Rafting			Present													-	Jan-Dec	-	-
	White-winged scoter	Rafting			Present													-	Sep-May	-	-





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					
	Alewife	Migration			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	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			Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Striped bass	Nursery Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Atlantic herring	Nursery Area			Abundant													-	-	Mar-May	Jan-Dec	Jan-Dec
	Black sea bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	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
	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			Common													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	Little skate	Nursery Area			Common													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
	Striped searobin	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
	Butterfish	Nursery Area			Abundant													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
	Spiny dogfish	Nursery Area			Common													-	-	-	May-Nov	May-Nov














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	-
		K. ridley sea turtle	Vulnerable Occurrence	E/E	E	Present												-	-	-	Jun-Nov	-
		Leatherback sea turtle	Vulnerable Occurrence	E/E	E	Present												-	-	-	Jun-Nov	-
		Loggerhead sea turtle	General Distribution	T/T	E	Present												-	-	-	Jun-Nov	-
		Loggerhead sea turtle	Vulnerable Occurrence	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	Bay scallop	Harvest Area			Low												Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
		Eastern oyster	Harvest Area			Moderate												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
	Crab	Horseshoe crab	Nursery Area			Common												May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	Gastropod	Channeled whelk	Harvest Area			Low												Sep-Nov	Sep-Nov	-	Jan-Dec	Jan-Dec
	Lobster	American lobster	Nursery Area			Common												Jun-Nov	Jan-Dec	May-Aug	Jan-Dec	Jan-Dec

MARINE MAMMALS


CT/NY																			Monthly Presence											
	Subelement	Species	Mapping Qualifier	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	Mating	Calving	Pupping	Molt								
	Dolphin	Harbor porpoise	General Distribution	C/C		Present													-	-	-	-	-							
	Whale	Humpback whale	General Distribution	-/E	E	Present													-	-	-	-	-							
		N.A. right whale	General Distribution	-/E	E	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	-	-	-
		Great cormorant												-	-	-	-
		Horned grebe												-	-	-	-
		Red-throated loon												-	-	-	-
	Gull/Tern	Bonaparte's gull												-	-	-	-
		G. black-backed gull												Mar-Aug	-	-	-
		Herring gull												Mar-Aug	-	-	-
		Laughing gull												Apr-Aug	-	-	-
		Ring-billed gull												-	-	-	-
	Landfowl	Wild turkey												Mar-Nov	-	-	-
	Passerine	Acadian flycatcher												Jun-Jul	May-Jun	Aug-Sep	-
		Chuck-will's-widow												-	May-Jun	-	-
	Pelagic	Black-legged kittiwake												-	-	-	-
		Cory's shearwater												-	Jun-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				
	Northern gannet													-	-	-	-
	Wilson's storm-petrel													-	-	-	-
 Waterfowl	American black duck													Apr-May	Mar-Apr	Sep-Nov	-
	American coot													-	-	-	-
	American wigeon													-	-	-	-
	Black brant													-	May	Oct	-
	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													-	-	-	-
	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					
 Freshwater	Bluegill													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Brown bullhead													May-Jul	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
	Common carp													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Largemouth bass													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
	Pumpkinseed													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Smallmouth bass													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Yellow perch													Mar-May	Mar-May	Mar-Aug	Jan-Dec	Jan-Dec
 Marine Benthic	Winter skate													Jun-Jan	Jun-Jan	-	Jan-Dec	Jan-Dec

INVERTEBRATES

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Spawn</i>	<i>Eggs</i>	<i>Larvae</i>	<i>Juveniles</i>	<i>Adults</i>
			<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>					
	Bivalve	Atlantic surfclam													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Blue mussel													Apr-Oct	Apr-Oct	Apr-Oct	Jan-Dec	Jan-Dec
		Eastern oyster													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		Northern quahog													Jun-Oct	Jun-Oct	Jun-Nov	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	Horseshoe crab													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
		Jonah crab													Nov-Jun	May-Nov	Jun-Oct	Jan-Dec	Jan-Dec

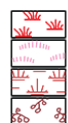
MARINE MAMMALS

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Mating</i>	<i>Calving</i>	<i>Pupping</i>	<i>Molt</i>
			<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>				
	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	19.74	0.03
	10B	Freshwater Marshes	38.44	0.06
	10C	Swamps	76.89	0.12
	10D	Scrub and Shrub Wetlands	63.45	0.10

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	1,744.38	1.08	4%
	10D	Scrub and Shrub Wetlands	63.09	0.04	< 1%
	9B	Vegetated Low Banks	9,765.53	6.07	21%
	8B	Sheltered, Solid Man-Made Structures	4,671.98	2.90	10%
	8C	Sheltered Riprap	318.72	0.20	1%
	6A	Gravel Beaches	1,104.93	0.69	2%
	6B	Riprap	2,496.64	1.55	5%
	5	Mixed Sand and Gravel Beaches	13,138.93	8.16	28%
	4	Coarse Grained Sand Beaches	2,652.30	1.65	6%
	3B	Scarps and Steep Slopes (Sand)	5,406.57	3.36	12%
	1B	Exposed, Solid Man-Made Structures	4,875.26	3.03	11%

Total ESI Shoreline:	46,238.34	Total ESI Shoreline:	28.73
Total Shoreline:	38,035.27	Total Shoreline:	23.63

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

