

Map 30C 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				
75	Raptor	Northern harrier	General Distribution	E/T		Present												Mar-Aug	-	-	-	-
143	Gull/Tern	Common tern	General Distribution	E/T		Present												May-Aug	-	-	-	-
294	Shorebird	Piping plover	General Distribution	T/E	T	8												Mar-Aug	-	-	-	-
401	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	-	-	-	-
	Raptor	Red-shouldered hawk	General Distribution	-/C		Present												Mar-Aug	-	-	-	-
	Wading	Least bittern	General Distribution	T/T		Present												Apr-Aug	Apr	Aug-Sep	-	-
402	Gull/Tern	Least tern	General Distribution	T/T		100S												Apr-Aug	-	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		4												Mar-Aug	-	-	-	-
	Shorebird	Piping plover	General Distribution	T/E	T	10S												Mar-Aug	-	-	-	-
403	Diving	Common loon	General Distribution	C/C		10S												-	-	-	-	-
	Diving	Pied-billed grebe	General Distribution	E/T		10S												-	-	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		Present												Mar-Aug	-	-	-	-
404	Gull/Tern	Black skimmer	Concentration Area	-/C		Present												Mar-Aug	-	-	-	-
	Gull/Tern	Common tern	Concentration Area	E/T		Present												May-Aug	-	-	-	-
	Gull/Tern	Herring gull	Wintering			Present												Mar-Aug	-	-	-	-
	Gull/Tern	Roseate tern	Concentration Area	E/E	E	Present												May-Aug	-	-	-	-
	Passerine	Grasshopper sparrow	Nesting	E/C		Present												Oct-Nov	-	-	-	-
	Raptor	Northern harrier	Nesting	E/T		Present												Mar-Aug	-	-	-	-
	Raptor	Osprey	Nesting	-/C		Present												Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Present												Mar-Aug	-	-	-	-
	Waterfowl	American black duck	Nesting			Present												Apr-May	Mar-Apr	Sep-Nov	-	-
	Waterfowl	American black duck	Wintering			Present												Apr-May	Mar-Apr	Sep-Nov	-	-
	Waterfowl	Bufflehead	Wintering			Present												-	Oct-Jun	-	-	-
	Waterfowl	Common goldeneye	Wintering			Present												-	Nov-Apr	-	-	-
	Waterfowl	Long-tailed duck	Wintering			Present												-	-	-	-	-
	Waterfowl	Mallard	Nesting			Present												Mar-Aug	-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			Present												-	-	-	-	-
	Waterfowl	Scoters	Wintering			Present												-	Apr-May	Sep-Nov	-	-

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				
405	Waterfowl	Waterfowl	Wintering			Present													-	Jan-Dec	-	-
	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
	Passerine	Grasshopper sparrow	General Distribution	E/C		Present													Oct-Nov	-	-	-
	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
406	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Gull/Tern	Common tern	General Distribution	E/T		10S													May-Aug	-	-	-
407	Passerine	Grasshopper sparrow	General Distribution	E/C		Present													Oct-Nov	-	-	-
	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-

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					
743	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	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	Scup	Nursery Area			Common													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
744	Diadromous	Alewife	Migration			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	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
	Estuarine Nursery	Bluefish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Scup	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Weakfish	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Jul-Nov	May-Nov
	Estuarine Nursery	Windowpane	Nursery Area			Common													Apr-Oct	Apr-Oct	May-Nov	Jan-Dec	Jan-Dec
	Estuarine Nursery	Winter flounder	Nursery Area			Common													Feb-May	Feb-May	Mar-Jun	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	Striped searobin	Nursery Area			Common													May-Sep	May-Sep	May-Sep	Apr-Nov	Apr-Nov
745	Marine Pelagic	Butterfish	Nursery Area			Abundant													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
	Marine Pelagic	Spiny dogfish	Nursery Area			Common													-	-	-	May-Nov	May-Nov
	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	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			Common													-	-	Mar-May	Jan-Dec	Jan-Dec
	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	Black sea bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov

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	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			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-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 Resident	Atlantic silverside	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Northern pipefish	Nursery Area			Common													Apr-Aug	-	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Oyster toadfish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	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
	Marine Benthic	Northern 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			Common													May-Aug	May-Aug	May-Oct	May-Dec	May-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					
864	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		Present													-	-	-	-	-
889	Upland	Bushy rockrose	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
891	Plant	New Eng. blazing star	Vulnerable Occurrence	C/T		7													-	-	-	-	-
898	Plant	Slender blue flag	Vulnerable Occurrence	-/T		Abundant													-	-	-	-	-
912	Plant	Southern arrowwood	High Ecological Value	-/T		Abundant													-	-	-	-	-
928	Plant	Nantucket serviceberry	Vulnerable Occurrence	-/E		15													-	-	-	-	-
	Upland	Bushy rockrose	Vulnerable Occurrence	-/T		Abundant													-	-	-	-	-
930	Plant	Nantucket serviceberry	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
931	Plant	Annual seepweed	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
	Plant	Dwarf saltwort	Vulnerable Occurrence	-/T		150 - 200													-	-	-	-	-
	Plant	Goose tongue	Vulnerable Occurrence	-/T		Abundant													-	-	-	-	-
	Plant	Roland's seablite	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
	Plant	Slender crabgrass	Vulnerable Occurrence	-/E		75													-	-	-	-	-
	Plant	Texan flatsedge	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
	Wetland	Sea pink	Vulnerable Occurrence	E/T		800 - 1000													-	-	-	-	-
932	Plant	Annual seepweed	Vulnerable Occurrence	-/E		Abundant													-	-	-	-	-
	Plant	Dwarf saltwort	Vulnerable Occurrence	-/T		90													-	-	-	-	-
	Plant	Goose tongue	Vulnerable Occurrence	-/T		1700													-	-	-	-	-
	Plant	Marsh fimbry	Vulnerable Occurrence	-/T		50 - 100													-	-	-	-	-
	Plant	New Eng. blazing star	Vulnerable Occurrence	C/T		30													-	-	-	-	-
	Plant	O. evening primrose	Vulnerable Occurrence	-/T		Low													-	-	-	-	-
	Plant	Rare plant	Vulnerable Occurrence	-/E		Present													-	-	-	-	-
	Plant	Texan flatsedge	Vulnerable Occurrence	-/E		40													-	-	-	-	-
	Wetland	Sea pink	Vulnerable Occurrence	E/T		500													-	-	-	-	-
933	Plant	Annual seepweed	Vulnerable Occurrence	-/E		50													-	-	-	-	-
	Plant	Dwarf saltwort	Vulnerable Occurrence	-/T		450 - 500													-	-	-	-	-

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
	Plant	Goose tongue	Vulnerable Occurrence	-/T		Present												-
	Plant	Marsh fimbry	Vulnerable Occurrence	-/T		100S												-
	Plant	New Eng. blazing star	Vulnerable Occurrence	C/T		100S												-
	Plant	Roland's seablite	Vulnerable Occurrence	-/E		100												-
	Plant	Silverweed cinquefoil	Vulnerable Occurrence	-/T		100												-
	Plant	Slender crabgrass	Vulnerable Occurrence	-/E		Present												-
	Plant	Texan flatsedge	Vulnerable Occurrence	-/E		1500 - 2000												-
	Wetland	Sea pink	Vulnerable Occurrence	E/T		Abundant												-
934	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		5												-
	Plant	Nantucket serviceberry	Vulnerable Occurrence	-/E		200												-
	Upland	Bushy rockrose	Vulnerable Occurrence	-/T		12												-
935	Plant	Rare plant	Vulnerable Occurrence	-/E		550												-
	Wetland	Scirpus-like rush	Vulnerable Occurrence	-/E		675												-
936	Plant	Annual seepweed	Vulnerable Occurrence	-/E		10 -50												-
	Plant	Dwarf saltwort	Vulnerable Occurrence	-/T		75												-
	Plant	Goose tongue	Vulnerable Occurrence	-/T		700												-
	Plant	New Eng. blazing star	Vulnerable Occurrence	C/T		35												-
937	Plant	Marsh fimbry	Vulnerable Occurrence	-/T		50 - 100												-
938	Plant	Carolina clubmoss	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
	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
983	Amphibian	B. spotted salamander	Vulnerable Occurrence	E/C		Present													Mar	Apr-May	-	Jan-Dec	Jan-Dec
984	Amphibian	Eastern spadefoot	Vulnerable Occurrence	E/C		Present													Apr-Jun	Apr-Jun	-	Jan-Dec	Jan-Dec
	Snake	E. hog-nosed snake	Vulnerable Occurrence	C/C		Present													Jun	Aug	-	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					
1000	Crab	Horseshoe crab	Spawning Area			High													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
1029	Insect	Jersey jair underwing	Vulnerable Occurrence	-/C		Present													Jun-Sep	Nov-Mar	Apr-May	-	Jul-Oct
	Insect	Pine Barrens underwing	Vulnerable Occurrence	-/C		Present													-	-	-	-	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				
1030	Dolphin	Harbor porpoise	General Distribution	C/C		Present													-	-	-	-
	Whale	Humpback whale	General Distribution	-/E	E	Present													-	-	-	-
	Whale	N.A. right whale	General Distribution	-/E	E	Present													-	-	-	-
1042	Dolphin	Harbor porpoise	General Distribution	C/C		Present													-	-	-	-
	Whale	N.A. right whale	General Distribution	-/E	E	Present													-	-	-	-
1044	Whale	Humpback whale	General Distribution	-/E	E	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				
	Gull/Tern	Black skimmer	General Distribution	-/C		Present													Mar-Aug	-	-	-
		Least tern	General Distribution	T/T		Present													Apr-Aug	-	-	-
		Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
	Shorebird	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					
	Estuarine Nursery	Summer flounder	Nursery Area			Common													-	-	-	Mar-Nov	Mar-Nov
		Winter flounder	Nursery Area			Abundant													Feb-May	Feb-May	Mar-Jun	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	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

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	-	-
		Northern gannet													-	-	-	-
		Wilson's storm-petrel													-	-	-	-
	Shorebird	Semipalmated sandpiper													-	-	Jul-Oct	-
	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													-	-	-	-

BIRDS (continued)

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

FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Freshwater	Black crappie													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec
	Bluegill													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
	Brown bullhead													May-Jul	May-Jul	Jun-Aug	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
	Yellow perch													Mar-May	Mar-May	Mar-Aug	Jan-Dec	Jan-Dec
 Marine Benthic	American sand lance													Nov-Mar	Nov-Mar	Dec-Jun	Jan-Dec	Jan-Dec
	Cunner													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Winter skate													Jun-Jan	Jun-Jan	-	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	Softshell clam													Apr-Sep	Apr-Sep	Apr-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	252.62	0.39
	10B	Freshwater Marshes	47.34	0.07
	10C	Swamps	19.48	0.03
	10D	Scrub and Shrub Wetlands	114.14	0.18

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	5,096.31	3.17	20%
	10D	Scrub and Shrub Wetlands	348.05	0.22	1%
	9B	Vegetated Low Banks	4,339.78	2.70	17%
	6A	Gravel Beaches	452.61	0.28	2%
	6B	Riprap	494.69	0.31	2%
	5	Mixed Sand and Gravel Beaches	3,256.25	2.02	13%
	4	Coarse Grained Sand Beaches	8,198.30	5.09	32%
	3A	Fine to Medium Grained Sand Beaches	2,166.23	1.35	9%
	3B	Scarps and Steep Slopes (Sand)	277.26	0.17	1%
	1B	Exposed, Solid Man-Made Structures	707.01	0.44	3%

Total ESI Shoreline:	25,336.49	Total ESI Shoreline:	15.74
Total Shoreline:	19,245.46	Total Shoreline:	11.96

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

