

Map 30B
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 30B
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

	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>CT/NY</i>		<i>Concentration</i>	<i>Monthly Presence</i>											
				<i>S</i>	<i>F</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>
	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					
143	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-	-
332	Raptor	Barn owl	General Distribution	E/-		Present													Mar-Aug	-	-	-	-
	Wading	Little blue heron	General Distribution	C/-		Present													Apr-Aug	-	-	-	-
	Wading	Snowy egret	General Distribution	T/-		Present													Mar-Aug	-	-	-	-
337	Shorebird	American oystercatcher	General Distribution	T/-		10S													Mar-Aug	-	-	-	-
	Wading	Glossy ibis	General Distribution	C/-		10S													Mar-Aug	-	-	-	-
	Wading	Great egret	General Distribution	T/-		10S													Mar-Aug	-	-	-	-
396	Diving	D. crested cormorant	Nesting			Present													Mar-Aug	-	-	-	-
	Gull/Tern	Black skimmer	Nesting	-/C		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	Herring gull	Nesting			Present													Mar-Aug	-	-	-	-
	Gull/Tern	Least tern	Nesting	T/T		Present													Apr-Aug	-	-	-	-
	Gull/Tern	Roseate tern	Nesting	E/E	E	Present													May-Aug	-	-	-	-
	Passerine	Bank swallow	Nesting			Present													Apr-Aug	-	-	-	-
	Passerine	Yellow-breasted chat	Nesting	E/C		Present													May-Aug	-	-	-	-
	Raptor	Bald eagle	Wintering	T/T		Present													Feb-Aug	-	-	-	-
	Raptor	Northern harrier	Nesting	E/T		Present													Mar-Aug	-	-	-	-
	Raptor	Osprey	Nesting	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Raptor	Red-tailed hawk	Nesting			Present													Mar-Aug	-	-	-	-
	Raptor	Snowy owl	Wintering			Present													-	Mar-Apr	Nov-Dec	-	-
	Shorebird	American oystercatcher	Nesting	T/-		Present													Mar-Aug	-	-	-	-
	Wading	BC night-heron	Nesting			Present													Mar-Aug	-	-	-	-
	Wading	Great egret	Nesting	T/-		Present													Mar-Aug	-	-	-	-
	Wading	Snowy egret	Nesting	T/-		Present													Mar-Aug	-	-	-	-
	Waterfowl	American black duck	Wintering			Present													Apr-May	Mar-Apr	Sep-Nov	-	-
	Waterfowl	Brant	Wintering			Present													-	Mar-May	Oct-Nov	-	-
	Waterfowl	Bufflehead	Wintering			Present													-	Oct-Jun	-	-	-
	Waterfowl	Canada goose	Nesting			Present													Mar-Aug	Jan-Dec	-	-	-
	Waterfowl	Gadwall	Nesting			Present													Jan-Dec	-	-	-	-
	Waterfowl	Greater scaup	Wintering			Present													-	-	-	-	-
	Waterfowl	Lesser scaup	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				
	Waterfowl	Long-tailed duck	Wintering			Present													-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			Present													-	-	-	-
	Waterfowl	Ruddy duck	Wintering			Present													-	-	-	-
	Waterfowl	Waterfowl	Wintering			Present													-	Jan-Dec	-	-
	Waterfowl	White-winged scoter	Wintering			Present													-	Sep-May	-	-
397	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	General Distribution	E/C		Present													Oct-Nov	-	-	-
	Passerine	Grasshopper sparrow	Nesting	E/C		Present													Oct-Nov	-	-	-
	Passerine	Horned lark	General Distribution	E/C		Present													Mar-May	-	-	-
	Raptor	Northern harrier	Nesting	E/T		Present													Mar-Aug	-	-	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	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	-
	Waterfowl	Waterfowl	Wintering			Present													-	Jan-Dec	-	-
398	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
	Passerine	Seaside sparrow	General Distribution	T/C		Present													May-Aug	-	-	-
	Passerine	Yellow-breasted chat	General Distribution	E/C		Present													May-Aug	-	-	-
	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-Aug	-	-	-
	Raptor	Northern goshawk	General Distribution	T/C		Present													-	-	-	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Raptor	Peregrine falcon	General Distribution	T/E		Present													Mar-Aug	-	-	-
399	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
	Passerine	Seaside sparrow	General Distribution	T/C		Present													May-Aug	-	-	-
	Passerine	Yellow-breasted chat	General Distribution	E/C		Present													May-Aug	-	-	-
	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-Aug	-	-	-
	Raptor	Northern goshawk	General Distribution	T/C		Present													-	-	-	-
	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Raptor	Peregrine falcon	General Distribution	T/E		Present													Mar-Aug	-	-	-
	Wading	Glossy ibis	General Distribution	C/-		Present													Mar-Aug	-	-	-
400	Passerine	Seaside sparrow	General Distribution	T/C		Present													May-Aug	-	-	-
	Passerine	Yellow-breasted chat	General Distribution	E/C		Present													May-Aug	-	-	-
	Raptor	Bald eagle	General Distribution	T/T		Present													Feb-Aug	-	-	-
	Raptor	Northern goshawk	General Distribution	T/C		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					
401	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Raptor	Peregrine falcon	General Distribution	T/E		Present													Mar-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	-	-	-	-
402	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	-	-
	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	-	-	-	-

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					
742	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	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

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					
864	Upland	Seaside knotweed	Vulnerable Occurrence	C/C		Present													-	-	-	-	-
883	Plant	Clustered mountainmint	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
889	Upland	Bushy rockrose	Vulnerable Occurrence	-/T		Present													-	-	-	-	-
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													-	-	-	-	-

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					
962	Turtle	Diamondback terrapin	Vulnerable Occurrence	C/-		Present													Jun-Jul	Aug-Oct	-	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

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					
1028	Bivalve	Eastern oyster	Harvest Area			Low													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Northern quahog	Harvest Area			High													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Harvest Area			Low													Apr-Sep	Apr-Sep	Apr-Sep	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		10S													-	-	-	-
		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	-	-	-
		Roseate tern	General Distribution	E/E	E	Present													May-Aug	-	-	-
	Raptor	Northern harrier	General Distribution	E/T		Present													Mar-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	Migration			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
		Alewife	Nursery Area			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	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			Common													-	-	Mar-May	Jan-Dec	Jan-Dec
		Atlantic herring	Nursery Area			Abundant													-	-	Mar-May	Jan-Dec	Jan-Dec
		Atlantic menhaden	Nursery Area			Common													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
		Bay anchovy	Nursery Area			Abundant													May-Sep	May-Sep	May-Nov	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
		Bluefish	Nursery Area			Abundant													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov





FISH (continued)

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					
	Northern kingfish	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Apr-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			Abundant													May-Sep	May-Sep	May-Sep	Jul-Nov	May-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
	Winter flounder	Nursery Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
	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
	Northern pipefish	Nursery Area			Common													Apr-Aug	-	May-Sep	Jan-Dec	Jan-Dec
	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
	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
	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
	Butterfish	Nursery Area			Common													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	-
	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
 Lobster	American lobster	Nursery Area			Common													Jun-Nov	Jan-Dec	May-Aug	Jan-Dec	Jan-Dec

MARINE MAMMALS

	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>CT/NY</i>		<i>Concentration</i>	<i>Monthly Presence</i>												<i>Mating</i>	<i>Calving</i>	<i>Pupping</i>	<i>Molt</i>	
				<i>S</i>	<i>F</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	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

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Nest</i>	<i>Mig.(S)</i>	<i>Mig.(F)</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>					
	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	-	-
	Wading	BC night-heron													Mar-Aug	-	-	-	-
	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	-	-





BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	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	-	-
	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	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
	Fiddler crab													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Horseshoe crab													May-Jun	Jun-Jul	-	Jan-Dec	Jan-Dec
	Jonah crab													Nov-Jun	May-Nov	Jun-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
 Shrimp	Grass shrimp													May-Oct	May-Oct	May-Oct	May-Oct	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

ESI Rank	Habitat Classification	Area (Acres)	Area (Sq. Miles)
 10A	Salt and Brackish Water Marshes	40.09	0.06
 10B	Freshwater Marshes	1.22	0.00
 10C	Swamps	7.79	0.01
 10D	Scrub and Shrub Wetlands	12.92	0.02
 7	Exposed Tidal Flats	14.02	0.02

ESI SHORELINE HABITAT TYPES

ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
 10A	Salt and Brackish Water Marshes	1,526.83	0.95	5%
 9B	Vegetated Low Banks	4,286.88	2.66	14%
 7	Exposed Tidal Flats	1,103.56	0.69	4%
 6A	Gravel Beaches	878.83	0.55	3%
 5	Mixed Sand and Gravel Beaches	11,624.18	7.22	38%
 4	Coarse Grained Sand Beaches	4,396.85	2.73	14%
 3B	Scarps and Steep Slopes (Sand)	6,724.43	4.18	22%

Total ESI Shoreline:	30,541.58	Total ESI Shoreline:	18.98
Total Shoreline:	21,186.75	Total Shoreline:	13.16

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

