

Map 31B
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

<i>Map ID</i>	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>CT/NY</i>		<i>Concentration</i>	<i>Monthly Presence</i>												<i>Nest</i>	<i>Mig.(S)</i>	<i>Mig.(F)</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>				
4	Passerine	Seaside sparrow	General Distribution	T/C		Present													May-Aug	-	-	-
14	Shorebird	American oystercatcher	Nesting	T/-		Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	Nesting	T/E	T	Present													Mar-Aug	-	-	-
	Shorebird	Shorebirds	Migration			Present													-	Jan-Dec	-	-
22	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Wading	Snowy egret	General Distribution	T/-		Present													Mar-Aug	-	-	-
40	Wading	Glossy ibis	General Distribution	C/-		Present													Mar-Aug	-	-	-
91	Wading	Snowy egret	General Distribution	T/-		Present													Mar-Aug	-	-	-
143	Gull/Tern	Common tern	General Distribution	E/T		Present													May-Aug	-	-	-
180	Raptor	Osprey	General Distribution	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
293	Shorebird	American oystercatcher	General Distribution	T/-		4													Mar-Aug	-	-	-
408	Diving	D. crested cormorant	Nesting			Present													Mar-Aug	-	-	-
	Gull/Tern	Black skimmer	Vulnerable Occurrence	-/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	Concentration Area	E/E	E	Present													May-Aug	-	-	-
	Passerine	Barn Swallow	Nesting			Present													Apr-Aug	-	-	-
	Passerine	Belted kingfisher	Nesting			Present													Mar-Aug	-	-	-
	Passerine	Brown thrasher	Nesting	C/-		Present													Mar-Aug	-	-	-
	Passerine	Eastern kingbird	Nesting			Present													Apr-Aug	-	-	-
	Passerine	Passerine birds	Migration			Present													Jan-Dec	Jan-Dec	-	-
	Passerine	Tree swallow	Nesting			Present													Mar-Aug	-	-	-
	Raptor	Osprey	Nesting	-/C		Present													Mar-Aug	Mar-Jun	Jul-Nov	-
	Shorebird	American oystercatcher	Nesting	T/-		Present													Mar-Aug	-	-	-
	Shorebird	Piping plover	Vulnerable Occurrence	T/E	T	Present													Mar-Aug	-	-	-
	Shorebird	Shorebirds	Migration			Present													-	Jan-Dec	-	-
	Wading	BC night-heron	Nesting			Present													Mar-Aug	-	-	-
	Wading	Great blue heron	Vulnerable Occurrence			Present													Mar-Aug	-	-	-
	Wading	Green heron	Nesting			Present													Apr-Aug	-	-	-
	Wading	Hérons	Vulnerable Occurrence			Present													Jan-Dec	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				
	Wading	Little blue heron	Vulnerable Occurrence	C/-		Present													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	T/-		Present													Mar-Aug	-	-	-
	Waterfowl	Canada goose	Nesting			Present													Mar-Aug	Jan-Dec	-	-
	Waterfowl	Common eider	Nesting			Present													Sep-May	-	-	-
	Waterfowl	Mallard	Nesting			Present													Mar-Aug	-	-	-
	Waterfowl	Waterfowl	Wintering			Present													-	Jan-Dec	-	-
	Waterfowl	Wood duck	Nesting			Present													Mar-Aug	-	-	-
409	Diving	Grebes	Wintering			Present													-	Jan-Dec	-	-
	Diving	Loons	Wintering			Present													-	Apr-May	Oct-Nov	-
	Gull/Tern	Terns	Wintering			Present													-	-	-	-
	Waterfowl	Common eider	Concentration Area			Present													Sep-May	-	-	-
	Waterfowl	Diving ducks	Wintering			Present													-	-	-	-
411	Diving	D. crested cormorant	Nesting			Present													Mar-Aug	-	-	-
	Gull/Tern	G. black-backed gull	Nesting			Present													Mar-Aug	-	-	-
	Gull/Tern	Herring gull	Nesting			Present													Mar-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	BC night-heron	Nesting			Present													Mar-Aug	-	-	-
	Wading	Glossy ibis	Nesting	C/-		Present													Mar-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		2													Mar-Aug	-	-	-
	Wading	Great egret	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	Heron	Nesting			Present													Jan-Dec	Jan-Dec	-	-
	Wading	Little blue heron	Nesting	C/-		Present													Apr-Aug	-	-	-
	Wading	Snowy egret	General Distribution	T/-		Present													Mar-Aug	-	-	-
	Wading	Snowy egret	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	Tricolored heron	Nesting			Present													Apr-Aug	-	-	-
412	Diving	D. crested cormorant	Nesting			Present													Mar-Aug	-	-	-
	Gull/Tern	G. black-backed gull	Nesting			Present													Mar-Aug	-	-	-
	Gull/Tern	Herring gull	Nesting			Present													Mar-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		2													Mar-Aug	-	-	-
	Shorebird	American oystercatcher	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	BC night-heron	Nesting			Present													Mar-Aug	-	-	-
	Wading	Glossy ibis	Nesting	C/-		Present													Mar-Aug	-	-	-
	Wading	Great egret	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	Heron	Nesting			Present													Jan-Dec	Jan-Dec	-	-
	Wading	Little blue heron	Nesting	C/-		Present													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	T/-		Present													Mar-Aug	-	-	-
	Wading	Tricolored heron	Nesting			Present													Apr-Aug	-	-	-
413	Gull/Tern	Common tern	General Distribution	E/T		10													May-Aug	-	-	-
	Passerine	Seaside sparrow	General Distribution	T/C		7													May-Aug	-	-	-
	Wading	Great egret	General Distribution	T/-		Present													Mar-Aug	-	-	-
414	Gull/Tern	Common tern	General Distribution	E/T		2													May-Aug	-	-	-
	Gull/Tern	Least tern	General Distribution	T/T		3													Apr-Aug	-	-	-
	Passerine	Seaside sparrow	General Distribution	T/C		4													May-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		3													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					
415	Wading	Great egret	General Distribution	T/-		10S	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-	-
	Wading	Snowy egret	General Distribution	T/-		3			F	M	A	M	J	J	A	S	O	N	Mar-Aug	-	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		2			F	M	A	M	J	J	A	S	O	N	Mar-Aug	-	-	-	-
	Wading	Great egret	General Distribution	T/-		2	J	F	M	A	M	J	J	A	S	O	N	D	Mar-Aug	-	-	-	-
416	Gull/Tern	Common tern	General Distribution	E/T		5					M	J	J	A	S	O	N	D	May-Aug	-	-	-	-
417	Diving	Cormorants	Nesting			Present	J	F	M	A	M	J	J	A	S	O	N	D	Jan-Dec	-	-	-	-

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					
451	Diadromous	Striped bass	Concentration Area			Common													-	-	-	Jan-Dec	Jan-Dec
740	Diadromous	Striped bass	Migration			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	Bluefish	Migration			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Scup	Migration			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Summer flounder	Migration			Common													-	-	-	Mar-Nov	Mar-Nov
747	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	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-Oct	Jun-Oct
	Estuarine Nursery	Rainwater killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	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	Sheepshead minnow	Nursery Area			Abundant													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
	Estuarine Resident	Threespine stickleback	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Oct	May-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
748	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Diadromous	Striped bass	Nursery Area			Common													-	-	-	Apr-Nov	Apr-Nov
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Aug	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	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
	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
749	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Nursery	Bluefish	Nursery Area			Common													-	-	-	Jun-Oct	Jun-Oct
	Estuarine Nursery	Rainwater killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident	Grubby	Nursery Area			Common													Dec-Apr	Dec-Apr	Jan-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 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			Abundant													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
	Estuarine Resident	Threespine stickleback	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Oct	May-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
750	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Nursery	Bluefish	Nursery Area			Common													-	-	-	Jun-Oct	Jun-Oct
	Estuarine Nursery	Rainwater killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Resident	Atlantic silverside	Nursery Area			Abundant													May-Aug	May-Aug	May-Aug	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	Sheepshead minnow	Nursery Area			Abundant													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
	Estuarine Resident	Threespine stickleback	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Oct	May-Dec	Jan-Dec
	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
751	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Nursery	Rainwater killifish	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
	Estuarine Nursery	White perch	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-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
	Marine Benthic	Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Sep-May	Sep-May
752	Diadromous	Blueback herring	Nursery Area	C/-		Common													May-Sep	May-Sep	May-Oct	Apr-Nov	Apr-Nov
	Diadromous	Sea lamprey	Migration			Common													May-Jun	May-Jun	Jan-Dec	Apr-Jul	Apr-Jul
	Estuarine Nursery	Bluefish	Nursery Area			Abundant													-	-	-	Jun-Oct	Jun-Oct
	Estuarine Nursery	Scup	Nursery Area			Common													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
753	Diadromous	Brown trout (sea run)	Migration			Uncommon													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Sep-Jan
	Diadromous	Hickory shad	Concentration Area			Common													Jun-Aug	Jun-Aug	Jun-Aug	Jul-Nov	Jun-Nov
	Estuarine Nursery	Winter flounder	Concentration Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
754	Estuarine Nursery	Black sea bass	Concentration Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Bluefish	Concentration Area			Common													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Scup	Concentration Area			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Summer flounder	Concentration Area			Common													-	-	-	Mar-Nov	Mar-Nov

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													-	-	-	-	-
763	Plant	Field paspalum	Vulnerable Occurrence	E/E		Present													-	-	-	-	-
	Plant	Scotland orache	Vulnerable Occurrence	C/E		Present													-	-	-	-	-
	Plant	Scottish licorice-root	Vulnerable Occurrence	E/E		Present													-	-	-	-	-

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	Seacoast angelica	Vulnerable Occurrence	E/-		Present												-
	Plant	Slimspike threeawn	Vulnerable Occurrence	C/-		Present												-
	Plant	Yellow thistle	Vulnerable Occurrence	E/-		Present												-
765	Plant	Purple milkweed	Vulnerable Occurrence	C/-		10												-
774	Plant	Seaside sandplant	Vulnerable Occurrence	C/-		Present												-
	Plant	Woolly beachheather	Vulnerable Occurrence	T/-		Present												-
865	Plant	Goose tongue	Vulnerable Occurrence	-/T		Present												-
890	Plant	Silverweed cinquefoil	Vulnerable Occurrence	-/T		Present												-
916	Wetland	Saltmarsh spikerush	Vulnerable Occurrence			Abundant												-
939	Plant	Seacoast angelica	Vulnerable Occurrence	E/-		Present												-
940	Wetland	Red pigweed	Vulnerable Occurrence	-/T		Present												-
945	Plant	Marsh straw sedge	Vulnerable Occurrence	-/T		Present												-
	Plant	Silverweed cinquefoil	Vulnerable Occurrence	-/T		Present												-
946	Plant	Scotland orache	Vulnerable Occurrence	C/E		Present												-
947	Plant	Engelmann's spikerush	Vulnerable Occurrence	-/E		Present												-
948	Plant	Pitseed goosefoot	Vulnerable Occurrence	-/E		Abundant												-
949	Plant	Field paspalum	Vulnerable Occurrence	E/E		100												-
950	Plant	Purple milkweed	Vulnerable Occurrence	C/-		12												-
	Plant	Slender blue flag	Vulnerable Occurrence	-/T		Present												-
	Wetland	Northern gamma grass	Vulnerable Occurrence	-/T		Present												-
951	Plant	American burnweed	Vulnerable Occurrence	-/E		50 - 100												-
	Plant	Pitseed goosefoot	Vulnerable Occurrence	-/E		Present												-
952	Plant	Scottish licorice-root	Vulnerable Occurrence	E/E		Present												-
	Plant	Violet woodsorrel	Vulnerable Occurrence	C/-		Present												-
	Plant	Whorled marshpennywort	Vulnerable Occurrence	E/E		Present												-
	Plant	Woolly beachheather	Vulnerable Occurrence	T/-		Present												-
	Plant	Yellow thistle	Vulnerable Occurrence	E/-		Present												-

INVERTEBRATES

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
987	Bivalve	Eastern oyster	Concentration Area			Present												
988	Insect	Rare insect	Vulnerable Occurrence			Present												
	Insect	Threatened insect	Vulnerable Occurrence	E/-	T	Present												
996	Crab	Horseshoe crab	Spawning Area			Present												

MARINE 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
1045	Pinniped	Harbor seal	Haul Out			100S												

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
1050	Small Mammal	New England cottontail	Vulnerable Occurrence			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													-	-	-	-
		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	-	-	-
	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													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
		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			Abundant													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
		Atlantic menhaden	Nursery Area			Common													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
		Black sea bass	Nursery Area			Common													-	-	-	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
		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			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
		Little skate	Nursery Area			Abundant													Jan-Dec	Jan-Dec	-	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



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					
	Silver hake	Nursery Area			Common													-	-	May-Oct	Mar-Nov	Mar-Nov
	Smooth dogfish	Nursery Area			Common													-	-	-	May-Oct	May-Oct
	Spotted hake	Nursery Area			Common													-	-	-	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	Eastern oyster	Harvest Area			Moderate													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
	Northern quahog	Harvest Area			Low													Jun-Oct	Jun-Oct	Jun-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	-	-	-




BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Laughing gull													Apr-Aug	-	-	-
	Ring-billed gull													-	-	-	-
 Passerine	Acadian flycatcher													Jun-Jul	May-Jun	Aug-Sep	-
	American crow													Mar-Aug	-	-	-
	American goldfinch													Mar-Aug	-	-	-
	American robin													Mar-Aug	-	-	-
	Barn Swallow													Apr-Aug	-	-	-
	Cedar waxwing													Mar-Aug	-	-	-
	Common grackle													Mar-Aug	-	-	-
	Common yellowthroat													Apr-Aug	-	-	-
	Eastern towhee													Mar-Aug	-	-	-
	European starling													Mar-Aug	-	-	-
	Gray catbird													Mar-Aug	-	-	-
	Marsh wren													Apr-Aug	-	-	-
	Mourning dove													Mar-Aug	-	-	-
	Northern cardinal													Mar-Aug	-	-	-
	Northern mockingbird													Mar-Aug	-	-	-
	Red-winged blackbird													Mar-Aug	-	-	-
	Saltmarsh sparrow													May-Aug	-	-	-
	Song sparrow													Mar-Aug	-	-	-
	Tree swallow													Mar-Aug	-	-	-
	Willow flycatcher													May-Aug	-	-	-
	Yellow warbler													Apr-Aug	-	-	-
 Pelagic	Black-legged kittiwake													-	-	-	-
	Cory's shearwater													-	Jun-Nov	-	-
	Northern gannet													-	-	-	-
	Wilson's storm-petrel													-	-	-	-
 Shorebird	Dunlin													-	Apr-May	Oct-Nov	-
	Greater yellowlegs													-	May-Jun	Sep-Oct	-
	Killdeer													Mar-Aug	-	-	-
	Least sandpiper													-	Apr-Jun	Aug-Oct	-
	Lesser yellowlegs													-	Apr-Jun	Aug-Oct	-
	Semipalmated sandpiper													-	-	Jul-Oct	-
	Short-billed dowitcher													-	-	Aug-Oct	-
	Willet													Apr-Aug	-	-	-
 Wading	Clapper rail													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	-	-




BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	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					
	Diadromous Gizzard shad													Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Freshwater White catfish													May-Jul	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
	Marine Benthic 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 Northern quahog													Jun-Oct	Jun-Oct	Jun-Nov	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
	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	172.95	0.27
 10B	Freshwater Marshes	58.27	0.09
 10C	Swamps	28.18	0.04
 10D	Scrub and Shrub Wetlands	11.48	0.02
 9A	Sheltered Tidal Flats	23.60	0.04
 7	Exposed Tidal Flats	362.31	0.57

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	21,761.14	13.52	18%
 10D	Scrub and Shrub Wetlands	385.37	0.24	< 1%
 9A	Sheltered Tidal Flats	7,916.04	4.92	7%
 9B	Vegetated Low Banks	12,064.09	7.50	10%
 8B	Sheltered, Solid Man-Made Structures	3,491.59	2.17	3%
 8C	Sheltered Riprap	4,616.52	2.87	4%
 7	Exposed Tidal Flats	15,575.40	9.68	13%
 6A	Gravel Beaches	13,153.31	8.17	11%
 6B	Riprap	12,437.97	7.73	10%
 5	Mixed Sand and Gravel Beaches	7,365.15	4.58	6%
 4	Coarse Grained Sand Beaches	1,112.96	0.69	1%
 3A	Fine to Medium Grained Sand Beaches	8,050.60	5.00	7%
 2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	3,082.01	1.92	3%
 1A	Exposed, Rocky Shores	36.09	0.02	< 1%
 1B	Exposed, Solid Man-Made Structures	10,225.44	6.35	8%

Total ESI Shoreline:	121,273.69	Total ESI Shoreline:	75.36
Total Shoreline:	84,613.50	Total Shoreline:	52.58

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

