

Map 29B
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				
378	Diving	D. crested cormorant	Nesting			Present												Mar-Aug	-	-	-	-
	Shorebird	American oystercatcher	Nesting	T/-		Present												Mar-Aug	-	-	-	-
379	Gull/Tern	Common tern	General Distribution	E/T		2												May-Aug	-	-	-	-
	Passerine	Purple martin	General Distribution	C/-		3												Apr-Aug	-	-	-	-
	Passerine	Saltmarsh sparrow	Nesting			Present												May-Aug	-	-	-	-
	Raptor	Osprey	General Distribution	-/C		10S												Mar-Aug	Mar-Jun	Jul-Nov	-	-
	Shorebird	Shorebirds	Migration			Abundant												-	Jan-Dec	-	-	-
	Wading	Great egret	General Distribution	T/-		10S												Mar-Aug	-	-	-	-
	Wading	Snowy egret	General Distribution	T/-		9												Mar-Aug	-	-	-	-
380	Passerine	Purple martin	General Distribution	C/-		2												Apr-Aug	-	-	-	-
	Raptor	Osprey	General Distribution	-/C		7												Mar-Aug	Mar-Jun	Jul-Nov	-	-

FISH

<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>Spawn</i>	<i>Eggs</i>	<i>Larvae</i>	<i>Juveniles</i>	<i>Adults</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>					
429	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
445	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
448	Diadromous	Alewife	Nursery Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
453	Diadromous	Alewife	Spawning Area			Common													Apr-Jul	Apr-Jul	Apr-Jul	Apr-Nov	Apr-Nov
468	Diadromous	Alewife	Spawning Area			Common													Mar-Jun	Mar-Jun	Mar-Jun	Mar-Oct	Mar-Oct
	Freshwater	Swamp darter	General Distribution	-/T		Uncommon													Apr-May	Apr-May	Apr-Jun	Jan-Dec	Jan-Dec
514	Estuarine Nursery	Atlantic menhaden	Nursery Area			Common													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
652	Diadromous	American eel	Nursery Area			Common													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	Estuarine Resident	Mummichog	Nursery Area			Common													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
700	Estuarine Resident	Mummichog	Nursery Area			Abundant													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
735	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	Sheepshead minnow	Nursery Area			Common													Jun-Sep	Jun-Sep	Jun-Oct	Jan-Dec	Jan-Dec
	Estuarine Resident	Striped killifish	Nursery Area			Abundant													May-Aug	May-Aug	May-Sep	Jan-Dec	Jan-Dec
736	Marine Benthic	Tautog	Nursery Area			Common													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	Diadromous	Alewife	Nursery Area			Abundant													Apr-Jul	Apr-Jul	Apr-Jul	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					
737	Estuarine Nursery	Atlantic menhaden	Nursery Area			Common													May-Oct	May-Oct	May-Nov	Apr-Nov	Apr-Nov
	Diadromous	Hickory shad	Concentration Area			Common													Jun-Aug	Jun-Aug	Jun-Aug	Jul-Nov	Jun-Nov
	Estuarine Nursery	Black sea bass	Concentration Area			Common													-	-	-	Jan-Dec	Jan-Dec
738	Estuarine Nursery	Bluefish	Concentration Area			Abundant													Jun-Sep	Jun-Sep	Jun-Sep	Jun-Nov	Apr-Nov
	Estuarine Nursery	Summer flounder	Concentration Area			Abundant													-	-	-	Mar-Nov	Mar-Nov
	Diadromous	Striped bass	Concentration Area			Common													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Scup	Concentration Area			Abundant													May-Aug	May-Aug	May-Aug	May-Nov	May-Nov
	Estuarine Nursery	Winter flounder	Concentration Area			Abundant													Feb-May	Feb-May	Mar-Jun	Jan-Dec	Jan-Dec
739	Estuarine Nursery	Weakfish	Concentration Area			Abundant													May-Sep	May-Sep	May-Sep	Jul-Nov	May-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					
773	Plant	Seaside sandplant	Vulnerable Occurrence	C/-		Present													-	-	-	-	-
797	Plant	New Eng. blazing star	Vulnerable Occurrence	C/T		Present													-	-	-	-	-

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					
988	Insect	Rare insect	Vulnerable Occurrence			Present													-	-	-	-	Jan-Dec
	Insect	Threatened insect	Vulnerable Occurrence	E/-	T	Present													-	-	-	-	Jan-Dec
989	Crab	Horseshoe crab	Nursery Area			Common													May-Jun	Jun-Jul	-	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													-	-	-	-
		Common loon	General Distribution	C/C		6													-	-	-	-
		Pied-billed grebe	General Distribution	E/T		10S													-	-	-	-
	Gull/Tern	Black skimmer	General Distribution	-/C		Present													Mar-Aug	-	-	-
		Common tern	General Distribution	E/T		Present													May-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	-	-	-
	Passerine	Seaside sparrow	General Distribution	T/C		Present													May-Aug	-	-	-
	Shorebird	American oystercatcher	General Distribution	T/-		Present													Mar-Aug	-	-	-
		Piping plover	General Distribution	T/E	T	Present													Mar-Aug	-	-	-
	Wading	Little blue heron	General Distribution	C/-		Present													Apr-Aug	-	-	-
		Snowy egret	General Distribution	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	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 menhaden	Nursery Area			Abundant													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
		Atlantic silverside	Nursery Area			Common													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		Atlantic tomcod	Nursery Area			Common													Nov-Feb	Nov-Mar	Dec-May	Jan-Dec	Jan-Dec
	Marine Benthic	Little skate	Nursery Area			Abundant													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
		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
		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



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					
	Lobster	American lobster	Nursery Area			Common													Jun-Nov	Jan-Dec	May-Aug	Jan-Dec	Jan-Dec

MARINE MAMMALS




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				
 Dolphin	Harbor porpoise	General Distribution	C/C		Present													-	-	-	-
 Whale	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													-	-	-	-
 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	-	-	-
	Belted kingfisher													Mar-Aug	-	-	-
	Black-capped chickadee													Mar-Aug	-	-	-
	Brown-headed cowbird													Mar-Aug	-	-	-
	Carolina wren													Apr-Jul	-	-	-
	Chimney swift													Jun-Jul	Apr-May	Aug-Sep	-
	Common grackle													Mar-Aug	-	-	-
	Common yellowthroat													Apr-Aug	-	-	-
	European starling													Mar-Aug	-	-	-
	Fish crow													Mar-Aug	-	-	-
	Gray catbird													Mar-Aug	-	-	-
	House finch													Mar-Aug	-	-	-
	House sparrow													Mar-Aug	-	-	-
	Marsh wren													Apr-Aug	-	-	-
	Mourning dove													Mar-Aug	-	-	-
	Northern cardinal													Mar-Aug	-	-	-
	Northern mockingbird													Mar-Aug	-	-	-
	Red-bellied woodpecker													Jun-Jul	Apr-May	Aug-Nov	-
	Red-winged blackbird													Mar-Aug	-	-	-
	Saltmarsh sparrow													May-Aug	-	-	-
	Song sparrow													Mar-Aug	-	-	-
	Tree swallow													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				
 Pelagic	Yellow warbler													Apr-Aug	-	-	-
	Black-legged kittiwake													-	-	-	-
	Cory's shearwater													-	Jun-Nov	-	-
	Northern gannet													-	-	-	-
 Shorebird	Wilson's storm-petrel													-	-	-	-
	Greater yellowlegs													-	May-Jun	Sep-Oct	-
	Least sandpiper													-	Apr-Jun	Aug-Oct	-
 Waterfowl	Willet													Apr-Aug	-	-	-
	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

	<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>					
	Diadromous	Brown trout													Oct-Nov	Oct-Apr	Feb-May	Jan-Dec	Jan-Dec
		Rainbow trout													-	-	-	Jan-Dec	Jan-Dec
	Freshwater	Bluegill													May-Jun	May-Jun	May-Jul	Jan-Dec	Jan-Dec
		Chain pickerel													Mar-May	Mar-May	Mar-May	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

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	Eastern oyster													Jun-Oct	Jun-Oct	Jun-Nov	Jan-Dec	Jan-Dec
		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
		Spider crabs													May-Sep	May-Sep	May-Sep	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	335.38	0.52
	10B	Freshwater Marshes	27.32	0.04
	10C	Swamps	314.27	0.49
	10D	Scrub and Shrub Wetlands	57.55	0.09

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	37,614.08	23.37	48%
	10B	Freshwater Marshes	391.94	0.24	1%
	10C	Swamps	487.58	0.30	1%
	10D	Scrub and Shrub Wetlands	443.00	0.28	1%
	9B	Vegetated Low Banks	7,779.51	4.83	10%
	8B	Sheltered, Solid Man-Made Structures	636.37	0.40	1%
	8C	Sheltered Riprap	464.36	0.29	1%
	6A	Gravel Beaches	1,332.59	0.83	2%
	6B	Riprap	7,048.09	4.38	9%
	5	Mixed Sand and Gravel Beaches	2,522.19	1.57	3%
	4	Coarse Grained Sand Beaches	3,453.71	2.15	4%
	3A	Fine to Medium Grained Sand Beaches	3,742.48	2.33	5%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	6,204.88	3.86	8%
	1A	Exposed, Rocky Shores	1,407.79	0.87	2%
	1B	Exposed, Solid Man-Made Structures	4,650.94	2.89	6%

Total ESI Shoreline:	78,179.51	Total ESI Shoreline:	48.58
Total Shoreline:	71,273.80	Total Shoreline:	44.29

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

