

Map 27C

NY/ NJ Metropolitan Area



SEE BACK OF MAP
for details about mapped species and other
species that occur in the mapped area.
Data Published: February 2016

0 Not for Navigation 1 Miles
0 1 Kilometers

1:50,000




Map 27C
New York and New Jersey Metropolitan Area

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>S</i>	<i>F</i>	<i>Concentration</i>	<i>Monthly Presence</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	Submersed aquatic veg	High Ecological Value			Present											-	-
		SAV	Submersed aquatic veg	High Ecological Value			Potential											-	-

BIRDS

<i>Map ID</i>	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>S</i>	<i>F</i>	<i>Concentration</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>				
260	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													-	-	-	-
268	Gull/Tern	Least tern	Nesting	T/E		-													May-Sep	-	-	-
290	Raptor	Threatened raptor	Nesting	-/T		1 Pair													Apr-Jul	-	-	-
375	Shorebird	Piping plover	Nesting	E/E	T	-													Apr-Aug	-	-	-
376	Gull/Tern	Common tern	Nesting	T/C		-													May-Sep	-	-	-

FISH

<i>Map ID</i>	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>S</i>	<i>F</i>	<i>Concentration</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>					
500	Diadromous	Alewife	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
	Diadromous	Alewife	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
	Diadromous	Blueback herring	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
	Diadromous	Blueback herring	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
514	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	Medium													-	-	-	Jan-Dec	Oct-Jun
516	Diadromous	Alewife	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
	Diadromous	Alewife	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
519	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	Potential													-	-	-	Jan-Dec	Oct-Jun

HABITATS & RARE PLANTS

<i>Map ID</i>	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>S</i>	<i>F</i>	<i>Concentration</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>					
520	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-	-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
536	Wetland	Vernal pool	Vulnerable Occurrence			-													-	-	-	-	-
540	Plant	Fed. endangered plant	Vulnerable Occurrence	-/E	E	-													-	-	-	-	-

INVERTEBRATES


<i>Map ID</i>	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>S</i>	<i>F</i>	<i>Concentration</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>					
673	Bivalve	Northern quahog	Concentration Area			Historic													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
675	Bivalve	Softshell clam	Concentration Area			Historic													Apr-Oct*	Apr-Oct*	Apr-Oct*	Jan-Dec	Jan-Dec

INVERTEBRATES (continued)


Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
676	Bivalve	Northern quahog	Concentration Area			Low													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
	Bivalve	Softshell clam	Concentration Area			Historic													Apr-Oct*	Apr-Oct*	Apr-Oct*	Jan-Dec	Jan-Dec
677	Bivalve	Northern quahog	Concentration Area			Low													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)


BIRDS

Monthly Presence																							
	Subelement	Species	Mapping Qualifier	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	Nest	Mig.(S)	Mig.(F)	Molt	
	Waterfowl	American black duck	Wintering			100S													-	-	-	-	-
		Brant	Wintering			100S													-	-	-	-	-
		Bufflehead	Wintering			100S													-	-	-	-	-
		Canada goose	Wintering			1000S													-	-	-	-	-
		Hooded merganser	Wintering			100S													-	-	-	-	-
		Mallard	Wintering			1000S													-	-	-	-	-
		Ruddy duck	Wintering			100S													-	-	-	-	-
		Scaup	Wintering			100S													-	-	-	-	-
		Waterfowl	Wintering			100S													-	-	-	-	-


FISH

	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
	Diadromous	Alewife	Migration			-													-	-	-	-	Mar-Jun
		Atlantic sturgeon	General Distribution	-/E	E	Low													-	-	-	Jan-Dec	Oct-Jun
		Atlantic sturgeon	Migration	-/E	E	High													-	-	-	May-Jul	May-Jul
		Blueback herring	Migration			-													-	-	-	-	Mar-Jun

REPTILES & AMPHIBIANS




	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
	Turtle	Green sea turtle	General Distribution	T/T	T	-													-	-	-	May-Nov	May-Nov
		K. ridley sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	-
		Leatherback sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	May-Nov
		Loggerhead sea turtle	General Distribution	T/E	T	-													-	-	-	May-Nov	May-Nov

MARINE MAMMALS



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		
	Whale	Fin whale	General Distribution	E/E	E	Common													-	-	-	-	-	
		Humpback whale	General Distribution	E/E	E	Common														-	-	-	-	-
		N.A. right whale	General Distribution	E/E	E	Uncommon, Regular														-	-	-	-	-

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				
	Gull/Tern	Herring gull													-	-	-	-
		Laughing gull													-	-	-	-
	Pelagic	Northern gannet													-	-	-	-
	Waterfowl	Common eider													-	-	-	-
		Long-tailed duck													-	-	-	-
		Surf scoter													-	-	-	-
		Waterfowl													-	-	-	-
		White-winged scoter													-	-	-	-





FISH

	Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
			J	F	M	A	M	J	J	A	S	O	N	D					
	Diadromous	Alewife													-	-	-	Nov-Apr	Nov-Apr
		Alewife													-	-	-	Jan-Dec	Mar-Jun
		American eel													-	-	Feb-Apr	Jan-Dec	Sep-Dec
		American eel													-	-	-	Jan-Dec	Sep-Nov
		American eel													-	-	Jan-Feb	-	Sep-Dec
		American shad													-	-	-	Nov-Apr	Nov-Apr
		Blueback herring													-	-	-	Nov-Apr	Nov-Apr
		Blueback herring													-	-	-	Jan-Dec	Mar-Jun
		Striped bass													-	-	-	Mar-Nov	Mar-Nov
		Striped bass													-	-	-	Mar-Dec	Mar-Dec
	Estuarine Nursery	Atlantic croaker													-	-	-	Jun-Dec	Jun-Oct
		Atlantic croaker													-	-	-	-	Jun-Dec
		Atlantic herring													-	-	-	Nov-Apr	Nov-Apr
		Atlantic herring													-	-	-	Nov-May	Nov-May
		Atlantic menhaden													-	-	May-Nov*	Jan-Dec	Mar-Sep
		Atlantic menhaden													Sep-Dec	Sep-Dec	Oct-Dec	Oct-Apr	Oct-Apr
		Bay anchovy													May-Nov	May-Nov	May-Dec	Jan-Dec	Jan-Dec
		Bay anchovy													May-Sep	May-Sep	May-Sep	Jan-Dec	Apr-Oct
		Black drum													-	-	-	-	Mar-Oct
		Black sea bass													May-Oct	May-Oct	May-Nov	Mar-Nov	Mar-Nov
		Black sea bass													-	-	-	May-Oct	Jun-Sep
		Bluefish													-	-	-	May-Nov	May-Nov
		Bluefish													-	-	-	May-Oct	May-Oct
		Northern kingfish													-	-	-	Jun-Nov	Jun-Nov
		Northern kingfish													-	-	-	May-Nov	May-Nov
		Scup													-	-	-	Apr-Dec	Apr-Dec
		Scup													-	-	-	Jun-Oct	Jun-Oct
		Spot													-	-	-	Sep-Nov	Jun-Nov
		Spot													-	-	-	Jun-Nov	Jun-Nov
		Summer flounder													-	-	-	May-Sep	May-Sep
		Summer flounder													Sep-Nov	Sep-Nov	Sep-Dec	Apr-Nov	Apr-Nov

FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Weakfish													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	Weakfish													-	-	-	May-Nov	Apr-Sep
	White perch													Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Windowpane													Mar-Nov*	Mar-Nov*	Apr-Nov*	Jan-Dec	Jan-Dec
	Windowpane													May-Aug	May-Aug	May-Oct	Jan-Dec	Jan-Dec
	Winter flounder													Jan-Mar	Jan-Mar	Jan-Apr	Jan-Dec	Nov-Apr
	Winter flounder													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Resident Atlantic silverside													-	-	-	Jan-Apr	Jan-Apr
	Killifish													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic American sand lance													-	-	-	-	Oct-Jun
	American sand lance													Nov-Apr	Nov-Apr	Nov-Apr	Nov-Mar	Nov-Apr
	Atlantic cod													-	-	-	Nov-Apr	Nov-Apr
	Clearnose skate													-	-	-	Apr-Nov	Apr-Nov
	Goosefish													-	-	-	-	Jan-Jun
	Little skate													Jan-Dec	Jan-Dec	-	Jan-Dec	Jan-Dec
	Little skate													-	-	-	Jan-Dec	Jan-Dec
	Ocean pout													-	-	-	Dec-Aug	Dec-Aug
	Red hake													Jun-Sep	Jun-Sep	Jul-Oct	Jan-Dec	Jan-Dec
	Silver hake													May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec
	Smooth dogfish													May-Jun	May-Oct	-	Apr-Oct	Apr-Oct
	Tautog													May-Sep	May-Sep	May-Sep	May-Sep	May-Sep
	Tautog													May-Aug	May-Aug	Jun-Aug	Mar-Nov	Mar-Nov
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Jan-Dec
	Marine Pelagic Winter skate													-	-	-	Sep-May	Sep-Nov
	Albacore													-	-	-	Jun-Sep	-
	Atlantic mackerel													-	-	-	Nov-Apr*	Nov-Apr*
	Bluefin tuna													-	-	-	Jun-Sep	-
	Butterfish													May-Aug	May-Aug	May-Oct	May-Dec	May-Dec
	Dusky shark													-	-	-	May-Sep	May-Sep
	Sand tiger													-	-	-	Jun-Oct	-
	Sandbar shark													-	-	-	Jun-Oct	Jun-Oct
	Shortfin mako													-	-	-	May-Oct	May-Oct
	Skipjack tuna													-	-	-	Jun-Sep	Jun-Sep
	Spiny dogfish													-	-	-	Oct-Apr	Oct-Apr
	Thresher shark													-	-	-	May-Nov	May-Nov
	Tiger shark													-	-	-	Jul-Oct	-
	White shark													-	-	-	Jul-Oct	-

INVERTEBRATES

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Spawn</i>	<i>Eggs</i>	<i>Larvae</i>	<i>Juveniles</i>	<i>Adults</i>
			<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>					
	Bivalve	Atlantic surfclam													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec
		Ocean quahog													Jul-Nov	Jul-Nov	Jul-Dec	Jan-Dec	Jan-Dec
	Cephalopod	Longfin squid													-	-	-	-	Jan-Dec
	Crab	Blue crab													May-Oct	-	-	Jan-Dec	Jan-Dec
		Blue crab													-	-	Jun-Oct	-	Aug-Mar
		Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
		Horseshoe crab													-	-	-	Aug-Mar	Aug-Mar
		Horseshoe crab													-	-	-	Jan-Dec	Jan-Dec
	Lobster	American lobster													-	-	-	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													-	-	-	-
		Harbor porpoise													-	-	-	-

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	800.01	1.25
	10B	Freshwater Marshes	36.49	0.06
	10C	Swamps	513.97	0.80
	10D	Scrub and Shrub Wetlands	187.86	0.29
	9A	Sheltered Tidal Flats	5.28	0.01
	7	Exposed Tidal Flats	26.80	0.04

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	36,508.84	22.69	17%
	10C	Swamps	737.71	0.46	< 1%
	10D	Scrub and Shrub Wetlands	1,802.93	1.12	1%
	9A	Sheltered Tidal Flats	1,407.98	0.87	1%
	9B	Vegetated Low Banks	44,473.04	27.63	20%
	8B	Sheltered, Solid Man-Made Structures	72,978.26	45.35	34%
	8C	Sheltered Riprap	1,761.91	1.09	1%
	7	Exposed Tidal Flats	6,118.23	3.80	3%
	6B	Riprap	832.54	0.52	< 1%
	4	Coarse Grained Sand Beaches	191.48	0.12	< 1%
	3A	Fine to Medium Grained Sand Beaches	17,596.87	10.93	8%
	1B	Exposed, Solid Man-Made Structures	33,145.22	20.60	15%

Total ESI Shoreline:	217,555.01	Total ESI Shoreline:	135.18
Total Shoreline:	168,267.84	Total Shoreline:	104.56

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

