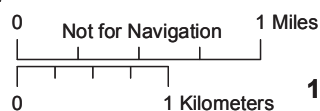


Map 27A
 NY/ NJ Metropolitan Area



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



1:50,000

Map 27A
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

BIRDS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
							J	F	M	A	M	J	J	A	S	O	N	D				
259	Raptor	Endangered raptor 2	Wintering	T/E		-													-	-	-	-
260	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													-	-	-	-
268	Gull/Tern	Least tern	Nesting	T/E		-													May-Sep	-	-	-
272	Raptor	Northern harrier	Nesting	T/E		1 Pair													Apr-Aug	-	-	-
290	Raptor	Threatened raptor	Nesting	-/T		1 Pair													Apr-Jul	-	-	-
332	Wading	BC night-heron	Nesting	-/T		-													Mar-Jul	-	-	-
357	Gull/Tern	Least tern	Nesting	T/E		-													May-Sep	-	-	-
	Shorebird	Piping plover	Nesting	E/E	T	-													Apr-Aug	-	-	-
359	Shorebird	Red knot	Migration	-/E	T	-													May	Sep	-	-
370	Waterfowl	American black duck	Wintering			100S													-	-	-	-
	Waterfowl	American wigeon	Wintering			100S													-	-	-	-
	Waterfowl	Brant	Wintering			1000S													-	-	-	-
	Waterfowl	Bufflehead	Wintering			1000S													-	-	-	-
	Waterfowl	Canada goose	Wintering			1000S													-	-	-	-
	Waterfowl	Gadwall	Wintering			100S													-	-	-	-
	Waterfowl	Mallard	Wintering			100S													-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			100S													-	-	-	-
	Waterfowl	Ruddy duck	Wintering			100S													-	-	-	-
	Waterfowl	Waterfowl	Wintering			100S													-	-	-	-
371	Waterfowl	American wigeon	Wintering			100S													-	-	-	-
	Waterfowl	Brant	Wintering			100S													-	-	-	-
	Waterfowl	Bufflehead	Wintering			1000S													-	-	-	-
	Waterfowl	Canada goose	Wintering			1000S													-	-	-	-
	Waterfowl	Mallard	Wintering			100S													-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			100S													-	-	-	-
	Waterfowl	Scaup	Wintering			100S													-	-	-	-
	Waterfowl	Waterfowl	Wintering			100S													-	-	-	-
372	Waterfowl	Brant	Wintering			100S													-	-	-	-
	Waterfowl	Canada goose	Wintering			1000S													-	-	-	-
	Waterfowl	Scaup	Wintering			100S													-	-	-	-
	Waterfowl	Waterfowl	Wintering			100S													-	-	-	-
373	Waterfowl	American wigeon	Wintering			100S													-	-	-	-
	Waterfowl	Bufflehead	Wintering			1000S													-	-	-	-
	Waterfowl	Mallard	Wintering			100S													-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			100S													-	-	-	-
374	Waterfowl	American black duck	Wintering			100S													-	-	-	-
	Waterfowl	Bufflehead	Wintering			100S													-	-	-	-

BIRDS (continued)

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
							J	F	M	A	M	J	J	A	S	O	N	D				
	Waterfowl	Hooded merganser	Wintering			100S													-	-	-	-
	Waterfowl	Mallard	Wintering			1000S													-	-	-	-
	Waterfowl	Ruddy duck	Wintering			100S													-	-	-	-

FISH

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					
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
518	Diadromous	Alewife	Migration			-													-	-	-	-	Mar-Jun

HABITATS & RARE PLANTS

Map ID	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					
538	Wetland	Swamp-pink	Vulnerable Occurrence	-/E	T	-													-	-	-	-	-
540	Plant	Fed. endangered plant	Vulnerable Occurrence	-/E	E	-													-	-	-	-	-

REPTILES & AMPHIBIANS


Map ID	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					
601	Turtle	Bog turtle	Vulnerable Occurrence	E/E	T	-													-	-	-	Apr-Oct	Apr-Oct

INVERTEBRATES


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					
673	Bivalve	Northern quahog	Concentration Area			Historic													May-Sep	May-Sep	May-Sep	Jan-Dec	Jan-Dec
674	Bivalve	Blue mussel	Concentration Area			Historic													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
675	Bivalve	Softshell clam	Concentration Area			Historic													Apr-Oct*	Apr-Oct*	Apr-Oct*	Jan-Dec	Jan-Dec

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)


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	Atlantic sturgeon	General Distribution	-/E	E	Low												-	-	-	Jan-Dec	Oct-Jun
		Atlantic sturgeon	Migration	-/E	E	High												-	-	-	May-Jul	May-Jul


HABITATS & RARE PLANTS

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					
	Plant	Endangered plant	Vulnerable Occurrence	E/E	-													-	-	-	-	-
		Rare plant	Vulnerable Occurrence	C/C	-													-	-	-	-	-

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





Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Mating	Calving	Pupping	Molt
						J	F	M	A	M	J	J	A	S	O	N	D				
	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	Bonaparte's gull												-	-	-	-
		Herring gull												-	-	-	-
		Laughing gull												-	-	-	-
	Pelagic	Northern gannet												-	-	-	-
	Waterfowl	Common eider												-	-	-	-
		Long-tailed duck												-	-	-	-
		Surf scoter												-	-	-	-
		Waterfowl												-	-	-	-
		White-winged scoter												-	-	-	-





FISH

		Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
Subelement	Species	J	F	M	A	M	J	J	A	S	O	N	D					
	Diadromous													-	-	-	Jan-Dec	Mar-Jun
	Alewife													-	-	-	Nov-Apr	Nov-Apr
	American eel													-	-	-	Jan-Dec	Sep-Nov
	American eel													-	-	Feb-Apr	Jan-Dec	Sep-Dec
	American eel													-	-	Jan-Feb	-	Sep-Dec
	American shad													-	-	-	Nov-Mar	Mar-May
	American shad													-	-	-	Nov-Apr	Nov-Apr
	Blueback herring													-	-	-	Nov-Apr	Nov-Apr
	Blueback herring													-	-	-	Jan-Dec	Mar-Jun
	Striped bass													-	-	-	Mar-Nov	Mar-Nov
	Estuarine Nursery													-	-	-	Mar-Dec	Mar-Dec
	Atlantic croaker													-	-	-	Jun-Jan	Jun-Oct
	Atlantic croaker													-	-	-	-	Jun-Dec
	Atlantic herring													-	-	-	Nov-May	Nov-May
	Atlantic herring													-	-	-	Nov-Apr	Nov-Apr
	Atlantic menhaden													Sep-Dec	Sep-Dec	Oct-Dec	Oct-Apr	Oct-Apr
	Atlantic menhaden													May-Nov*	May-Nov*	May-Nov*	Jan-Dec	Mar-Sep
	Bay anchovy													May-Nov	May-Nov	May-Dec	Jan-Dec	Jan-Dec
	Bay anchovy													May-Aug	May-Aug	May-Aug	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-Oct	May-Oct
	Bluefish													-	-	-	May-Nov	May-Nov
	Northern kingfish													-	-	-	May-Nov	May-Nov
	Northern kingfish													-	-	-	Jun-Nov	Jun-Nov
	Scup													-	-	-	Jun-Oct	Jun-Oct
	Scup													-	-	-	Apr-Dec	Apr-Dec
	Spot													-	-	-	Jun-Nov	Jun-Nov
	Spot													-	-	-	Sep-Nov	Jun-Nov
	Summer flounder													Sep-Nov	Sep-Nov	Sep-Dec	Apr-Nov	Apr-Nov
	Summer flounder													-	-	-	Apr-Aug	May-Sep
	Weakfish													Jun-Aug	Jun-Aug	Jun-Aug	Jun-Nov	May-Dec
	Weakfish													Apr-Sep	Apr-Sep	May-Sep	Apr-Nov	Apr-Nov
	Weakfish													-	-	-	May-Nov	Apr-Sep
	White perch													-	-	-	Nov-Mar	Nov-Mar
	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
	Estuarine Resident													-	-	-	Jan-Dec	Jan-Dec
	Atlantic silverside													-	-	-	Jan-Apr	Jan-Apr
	Killifish													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	American sand lance													-	-	-	-	Oct-Jun

FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	American sand lance													Nov-Apr	Nov-Apr	Nov-Apr	Jan-Dec	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
	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	Jan-Dec	Jan-Dec
	Tautog													May-Aug	May-Aug	Jun-Aug	Mar-Nov	Mar-Nov
	Winter skate													-	-	-	Sep-May	Sep-Nov
 Marine Pelagic	Atlantic mackerel													-	-	-	Nov-Apr	-
	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	-

INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 Bivalve	Atlantic surfclam													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec
 Cephalopod	Longfin squid													-	-	-	-	Jan-Dec
 Crab	Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
	Blue crab													May-Oct	-	-	Jan-Dec	Jan-Dec
	Blue crab													-	-	Jun-Oct	-	Aug-Mar
	Horseshoe crab													-	-	-	Jan-Dec	Jan-Dec
	Horseshoe crab													-	-	-	Aug-Mar	Aug-Mar
 Lobster	American lobster													-	-	-	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													-	-	-	-
	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	110.24	0.17
	10B	Freshwater Marshes	38.88	0.06
	10C	Swamps	581.08	0.91
	10D	Scrub and Shrub Wetlands	96.29	0.15
	9A	Sheltered Tidal Flats	30.17	0.05
	7	Exposed Tidal Flats	26.08	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	10,710.27	6.66	11%
	10B	Freshwater Marshes	591.09	0.37	1%
	10C	Swamps	317.40	0.20	< 1%
	9A	Sheltered Tidal Flats	3,065.43	1.90	3%
	9B	Vegetated Low Banks	21,672.75	13.47	23%
	8B	Sheltered, Solid Man-Made Structures	29,883.25	18.57	31%
	8C	Sheltered Riprap	925.39	0.58	1%
	7	Exposed Tidal Flats	3,133.67	1.95	3%
	6B	Riprap	2,867.16	1.78	3%
	5	Mixed Sand and Gravel Beaches	148.33	0.09	< 1%
	4	Coarse Grained Sand Beaches	3,582.49	2.23	4%
	3A	Fine to Medium Grained Sand Beaches	18,003.21	11.19	19%
	1B	Exposed, Solid Man-Made Structures	608.28	0.38	1%

Total ESI Shoreline:	95,508.72	Total ESI Shoreline:	59.35
Total Shoreline:	73,132.32	Total Shoreline:	45.44

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

