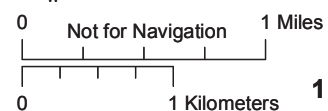


**Map 26C**  
NY/ NJ Metropolitan Area



**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 26C**  
**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				
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	-	-	-
318	Wading	Great blue heron	Nesting	-/C		-													Mar-Jul	-	-	-
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													-	-	-	-

**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
515	Diadromous	Alewife	Migration			-													-	-	-	-	Mar-Jun
	Diadromous	Blueback herring	Migration			-													-	-	-	-	Mar-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																
							J	F	M	A	M	J	J	A	S	O	N	D					
520	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-	-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
528	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-	-
	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-

## 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

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

## 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				
	Alcid	Razorbill													-	-	-	-
	Gull/Tern	Bonaparte's gull													-	-	-	-
		Herring gull													-	-	-	-
		Laughing gull													-	-	-	-
	Pelagic	Northern gannet													-	-	-	-
	Waterfowl	Black scoter													-	-	-	-
		Common eider													-	-	-	-
		Long-tailed duck													-	-	-	-
		Surf scoter													-	-	-	-
		Waterfowl													-	-	-	-
		White-winged scoter													-	-	-	-





**FISH**

	<b>Subelement</b>	<b>Species</b>	<b>Monthly Presence</b>												<b>Spawn</b>	<b>Eggs</b>	<b>Larvae</b>	<b>Juveniles</b>	<b>Adults</b>
			<b>J</b>	<b>F</b>	<b>M</b>	<b>A</b>	<b>M</b>	<b>J</b>	<b>J</b>	<b>A</b>	<b>S</b>	<b>O</b>	<b>N</b>	<b>D</b>					
	Diadromous	Alewife													-	-	-	Nov-Apr	Nov-Apr
		Alewife													-	-	-	Jan-Dec	Mar-Jun
		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													-	-	-	Jan-Dec	Mar-Jun
		Blueback herring													-	-	-	Nov-Apr	Nov-Apr
		Striped bass													-	-	-	Mar-Dec	Mar-Dec
		Striped bass													-	-	-	Mar-Nov	Mar-Nov
	Estuarine Nursery	Atlantic croaker													-	-	-	-	Jun-Dec
		Atlantic croaker													-	-	-	Jun-Jan	Jun-Oct
		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
		White perch													-	-	-	Nov-Mar	Nov-Mar
		Windowpane													May-Aug	May-Aug	May-Oct	Jan-Dec	Jan-Dec
		Windowpane													Mar-Nov*	Mar-Nov*	Apr-Nov*	Jan-Dec	Jan-Dec
		Winter flounder													-	-	-	Jan-Dec	Jan-Dec
		Winter flounder													Jan-Mar	Jan-Mar	Jan-Apr	Jan-Dec	Nov-Apr
	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													Nov-Apr	Nov-Apr	Nov-Apr	Jan-Dec	Nov-Apr
		American sand lance													-	-	-	-	Oct-Jun
		Atlantic cod													-	-	-	Nov-Apr	Nov-Apr

## FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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-Aug	May-Aug	Jun-Aug	Mar-Nov	Mar-Nov
	Tautog													May-Aug	May-Aug	Jun-Aug	Jan-Dec	Jan-Dec
	Tautog													May-Sep	May-Sep	May-Sep	May-Sep	May-Sep
	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													-	-	Jun-Oct	-	Aug-Mar
	Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
	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](https://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	63.84	0.10
	10B	Freshwater Marshes	36.98	0.06
	10C	Swamps	851.80	1.33
	10D	Scrub and Shrub Wetlands	80.53	0.13
	9A	Sheltered Tidal Flats	20.64	0.03

### 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	4,038.63	2.51	5%
	10B	Freshwater Marshes	384.16	0.24	1%
	10C	Swamps	3,320.23	2.06	4%
	10D	Scrub and Shrub Wetlands	204.91	0.13	< 1%
	9A	Sheltered Tidal Flats	2,031.94	1.26	3%
	9B	Vegetated Low Banks	24,722.63	15.36	33%
	8B	Sheltered, Solid Man-Made Structures	12,232.11	7.60	16%
	8C	Sheltered Riprap	640.39	0.40	1%
	6B	Riprap	8,858.35	5.50	12%
	5	Mixed Sand and Gravel Beaches	194.85	0.12	< 1%
	4	Coarse Grained Sand Beaches	98.56	0.06	< 1%
	3A	Fine to Medium Grained Sand Beaches	12,611.38	7.84	17%
	1B	Exposed, Solid Man-Made Structures	5,044.76	3.13	7%

Total ESI Shoreline:	74,382.89	Total ESI Shoreline:	46.22
Total Shoreline:	56,426.84	Total Shoreline:	35.06

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](https://response.restoration.noaa.gov)

