

**Map 27D**  
**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 27D**  
**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**

		Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
								J	F	M	A	M	J	J	A	S	O	N	D
		SAV	Submersed aquatic veg	High Ecological Value			Present												-
		SAV	Submersed aquatic veg	High Ecological Value			Potential												-

**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				
268	Gull/Tern	Least tern	Nesting		T/E	-													May-Sep	-	-	-
377	Waterfowl	American black duck	Wintering			-													-	-	-	-
	Waterfowl	Brant	Wintering			-													-	-	-	-
	Waterfowl	Bufflehead	Wintering			-													-	-	-	-
	Waterfowl	Canada goose	Wintering			-													-	-	-	-
	Waterfowl	Hooded merganser	Wintering			-													-	-	-	-
	Waterfowl	Mallard	Wintering			-													-	-	-	-
	Waterfowl	Ruddy duck	Wintering			-													-	-	-	-
	Waterfowl	Scaup	Wintering			-													-	-	-	-
	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
378	Waterfowl	American black duck	Wintering			-													-	-	-	-
	Waterfowl	Brant	Wintering			-													-	-	-	-
	Waterfowl	Bufflehead	Wintering			-													-	-	-	-
	Waterfowl	Canada goose	Wintering			-													-	-	-	-
	Waterfowl	Hooded merganser	Wintering			-													-	-	-	-
	Waterfowl	Mallard	Wintering			-													-	-	-	-
	Waterfowl	Ruddy duck	Wintering			-													-	-	-	-
	Waterfowl	Scaup	Wintering			-													-	-	-	-

**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
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

## 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
536	Wetland	Vernal pool	Vulnerable Occurrence			-												

## REPTILES & AMPHIBIANS


Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
603	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		-												
606	Turtle	Green sea turtle	General Distribution	T/T	T	-												
	Turtle	K. ridley sea turtle	General Distribution	E/E	E	-												
	Turtle	Loggerhead sea turtle	General Distribution	T/E	T	-												
610	Amphibian	Pine Barrens treefrog	Nesting	-/T		-												
619	Snake	Northern pinesnake	Vulnerable Occurrence			-												
621	Amphibian	Pine Barrens treefrog	Vulnerable Occurrence	-/T		-												

## INVERTEBRATES



Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
673	Bivalve	Northern quahog	Concentration Area			Historic												
675	Bivalve	Softshell clam	Concentration Area			Historic												

WIDESPREAD IN MAPPED AREA ( > 10 SQUARE KILOMETERS )

## BIRDS


	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			
	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												-	-	-

## HABITATS & RARE PLANTS





	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			
	Plant	Endangered plant	Vulnerable Occurrence	E/E		-												-	-	-
		Rare plant	Vulnerable Occurrence	C/C		-												-	-	-
	Wetland	Swamp-pink	Vulnerable Occurrence	-/E	T	-												-	-	-

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					
	Waterfowl	Waterfowl													-	-	-	-	-

FISH

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







INVERTEBRATES

	Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
			J	F	M	A	M	J	J	A	S	O	N	D					
	Crab	Blue crab													May-Oct	-	-	Jan-Dec	Jan-Dec
		Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec














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	284.71	0.44
	10B	Freshwater Marshes	64.48	0.10
	10C	Swamps	1,719.63	2.69
	10D	Scrub and Shrub Wetlands	285.78	0.45
	9A	Sheltered Tidal Flats	18.36	0.03
	7	Exposed Tidal Flats	7.54	0.01

### 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	22,839.32	14.19	12%
	10B	Freshwater Marshes	1,153.53	0.72	1%
	10C	Swamps	21,379.04	13.28	11%
	10D	Scrub and Shrub Wetlands	3,903.45	2.43	2%
	9A	Sheltered Tidal Flats	1,789.92	1.11	1%
	9B	Vegetated Low Banks	63,893.27	39.70	34%
	8B	Sheltered, Solid Man-Made Structures	37,401.26	23.24	20%
	8C	Sheltered Riprap	268.25	0.17	< 1%
	7	Exposed Tidal Flats	2,376.38	1.48	1%
	6B	Riprap	68.30	0.04	< 1%
	5	Mixed Sand and Gravel Beaches	175.51	0.11	< 1%
	3A	Fine to Medium Grained Sand Beaches	3,305.92	2.05	2%
	1B	Exposed, Solid Man-Made Structures	29,292.20	18.20	16%

Total ESI Shoreline:	187,846.36	Total ESI Shoreline:	116.72
Total Shoreline:	133,753.85	Total Shoreline:	83.11

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)

