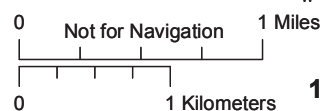


**Map 25D**  
**NY/ NJ Metropolitan Area**



**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 25D**  
**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				
290	Raptor	Threatened raptor	Nesting	-	T	1 Pair													Apr-Jul	-	-	-
333	Shorebird	Shorebirds	Migration			High													-	Mar-May	Aug-Oct	-
352	Waterfowl	Brant	Wintering			-													-	-	-	-
	Waterfowl	Bufflehead	Wintering			-													-	-	-	-
	Waterfowl	Canada goose	Wintering			-													-	-	-	-
	Waterfowl	Common merganser	Wintering			-													-	-	-	-
	Waterfowl	Ruddy duck	Wintering			-													-	-	-	-
	Waterfowl	Scaup	Wintering			-													-	-	-	-
	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
362	Waterfowl	Canada goose	Wintering			1000S													-	-	-	-
	Waterfowl	Common merganser	Wintering			1000S													-	-	-	-
	Waterfowl	Ruddy duck	Wintering			1000S													-	-	-	-
	Waterfowl	Scaup	Wintering			1000S													-	-	-	-
	Waterfowl	Waterfowl	Wintering			100S													-	-	-	-
363	Wading	BC night-heron	Concentration Area	-	T	1													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-	C	2													-	-	-	-
	Wading	Great egret	Concentration Area			13													-	-	-	-
	Wading	Green heron	Concentration Area			2													-	-	-	-
	Wading	YC night-heron	Concentration Area	-	T	5													-	-	-	-
364	Wading	BC night-heron	Concentration Area	-	T	4													-	-	-	-
	Wading	Great blue heron	Concentration Area	-	C	8													-	-	-	-
	Wading	Great egret	Concentration Area			23													-	-	-	-
	Wading	Little blue heron	Concentration Area	-	C	8													-	-	-	-
	Wading	Snowy egret	Concentration Area	-	C	2													-	-	-	-
	Wading	YC night-heron	Concentration Area	-	T	3													-	-	-	-
365	Wading	Glossy ibis	Concentration Area	-	C	23													-	-	-	-
	Wading	Great egret	Concentration Area			2													-	-	-	-

**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					
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

## 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					
624	Crab	Horseshoe crab	Spawning Area			-													May-Jun	May-Jul	-	-	May-Jun
666	Bivalve	Blue mussel	Concentration Area			Historic													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
670	Bivalve	Atlantic surfclam	Concentration Area			Historic													Jun-Oct*	Jun-Oct*	Jun-Oct*	Jan-Dec	Jan-Dec

## MARINE MAMMALS

Map ID	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				
688	Pinniped	Seals	Concentration Area			High													-	-	-	-

## 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	D				
	Diving	D. crested cormorant	Wintering			High													-	-	-	-
		Great cormorant	Wintering			High													-	-	-	-
		Horned grebe	Migration			High													-	-	Oct-Nov	-
		Red-throated loon	Migration			High													-	-	Oct-Nov	-
	Waterfowl	American black duck	Wintering			100S													-	-	-	-
		American black duck	Wintering			1000S													-	-	-	-
		Brant	Wintering			1000S													-	-	-	-
		Brant	Wintering			100S													-	-	-	-
		Bufflehead	Wintering			100S													-	-	-	-
		Canada goose	Wintering			100S													-	-	-	-
		Canvasback	Wintering			100S													-	-	-	-
		Long-tailed duck	Wintering			100S													-	-	-	-
		Mallard	Wintering			100S													-	-	-	-
		Red-breasted merganser	Wintering			100S													-	-	-	-
		Scaup	Wintering			10000S													-	-	-	-
		Waterfowl	Wintering			High													-	-	-	-


## 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	Rare													-	-	-	Jan-Dec	Jan-Dec

## 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

## INVERTEBRATES


	<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>					
	Bivalve	Northern quahog	Concentration Area			Historic													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
		Softshell clam	Concentration Area			Historic													May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec

## MARINE MAMMALS



	<i>Subelement</i>	<i>Species</i>	<i>Mapping Qualifier</i>	<i>S</i>	<i>F</i>	<i>Concentration</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>				
	Whale	Humpback whale	General Distribution	E/E	E	Common													-	-	-	-

## ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)





## BIRDS

	<i>Subelement</i>	<i>Species</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>				
	Waterfowl	Black scoter													-	-	-	-
		Waterfowl													-	-	-	-




## 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	Alewife													-	-	Jun-Jul	Apr-Nov	Mar-Jun
		Alewife													-	-	-	Jan-Dec	Feb-Jun
		American eel													-	-	-	Jan-Dec	Sep-Nov
		American eel													-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American shad													-	-	-	Apr-Jun	Apr-May
		Blueback herring													-	-	May-Jun	May-Nov	Mar-Jul
		Blueback herring													-	-	-	May-Nov	Mar-Jul
		Striped bass													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic croaker													-	-	Sep-Nov	Jul-Nov	Jul-Nov
		Atlantic herring													-	-	Apr-May	Jan-May	Jan-May
		Atlantic menhaden													-	-	Apr-Jul	Apr-Nov	May-Nov
		Atlantic menhaden													May-Oct*	May-Oct*	May-Oct*	Apr-Nov	Apr-Nov
		Bay anchovy													May-Aug	May-Aug	Jun-Sep	Jul-Mar	Jan-Dec
		Bay anchovy													May-Aug	May-Aug	May-Aug	Jul-Dec	May-Nov
		Black drum													-	-	-	Jul-Nov	Jul-Nov
		Black sea bass													-	-	-	Apr-Nov	Apr-Nov
		Bluefish													-	-	-	May-Oct	May-Oct
		Northern kingfish													-	-	-	May-Nov	May-Nov
		Northern kingfish													-	-	-	Jun-Oct	Jun-Oct
		Northern puffer													May-Aug	Jun-Oct	Jun-Oct	May-Oct	May-Oct
		Scup													Jul	Jul	Jul	Jun-Oct	Jun-Oct
		Scup													-	-	-	Jun-Oct	Jun-Oct
		Spot													-	-	-	Jun-Nov	Jun-Nov
		Summer flounder													-	-	-	May-Oct	May-Oct
		Weakfish													Jun-Aug	Jun-Aug	Jun-Aug	Jun-Nov	May-Dec

## FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	White perch													-	-	-	Jan-Dec	Jan-Dec
	White perch													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec
	Windowpane													Apr-Jul	Apr-Jul	Apr-Oct	Jan-Dec	Jan-Dec
	Windowpane													-	-	Apr-Nov	Jan-Dec	Jan-Dec
	Winter flounder													Nov-Apr	Nov-Apr	Nov-May	Jan-Dec	Oct-Jun
	Estuarine Resident Killifish													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Northern pipefish													May-Jul	-	May-Aug	Apr-Dec	Apr-Dec
	Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic American sand lance													Nov-Apr	Nov-Apr	Nov-Apr	Nov-Apr	Nov-Apr
	American sand lance													-	-	Nov-Apr	Nov-Apr	Nov-Apr
	Atlantic cod													-	-	-	Nov-Apr	-
	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Aug	Jan-Dec	Jan-Dec
	Atlantic tomcod													-	-	-	Jan-Dec	Jan-Dec
	Pollock													-	-	-	Mar-Jun	-
	Red hake													-	-	-	Nov-May	Nov-May
	Smooth dogfish													May-Jun	May-Oct	-	Apr-Oct	Apr-Oct
	Tautog													May	May	May	Jan-Dec	Apr-Nov
	Marine Pelagic Tautog													-	Jun	Jun	Jan-Dec	Apr-Nov
	Atlantic mackerel													-	-	-	Apr-Nov*	Apr-Nov*
	Butterfish													-	-	-	Apr-Nov	Apr-Nov

## INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Bivalve Blue mussel													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Northern quahog													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
	Softshell clam													May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec
	Crab Blue crab													May-Oct	-	-	Jan-Dec	Jan-Dec
	Blue crab													May-Oct	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
	Horseshoe crab													-	-	-	Jan-Dec	Jan-Dec
	Lobster American lobster													Jun-Sep	Jun-Sep	Jun-Oct	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	605.87	0.95
	10B	Freshwater Marshes	94.16	0.15
	10C	Swamps	567.33	0.89
	10D	Scrub and Shrub Wetlands	28.25	0.04
	7	Exposed Tidal Flats	22.18	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	11,671.18	7.25	22%
	10C	Swamps	62.91	0.04	< 1%
	9B	Vegetated Low Banks	12,208.88	7.59	24%
	8B	Sheltered, Solid Man-Made Structures	2,874.00	1.79	6%
	8C	Sheltered Riprap	53.41	0.03	< 1%
	7	Exposed Tidal Flats	862.52	0.54	2%
	6B	Riprap	3,428.07	2.13	7%
	5	Mixed Sand and Gravel Beaches	275.63	0.17	1%
	4	Coarse Grained Sand Beaches	189.13	0.12	< 1%
	3A	Fine to Medium Grained Sand Beaches	7,809.32	4.85	15%
	1B	Exposed, Solid Man-Made Structures	12,516.97	7.78	24%

Total ESI Shoreline:	51,952.03	Total ESI Shoreline:	32.28
Total Shoreline:	38,059.94	Total Shoreline:	23.65

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)

