



**Map 24B**  
**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				
129	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-
290	Raptor	Threatened raptor	Nesting	-/T		1 Pair													Apr-Jul	-	-	-
292	Diving	D. crested cormorant	Wintering			High													-	-	-	-
	Diving	Great cormorant	Wintering			High													-	-	-	-
	Diving	Horned grebe	Migration			High													-	-	Oct-Nov	-
	Diving	Red-throated loon	Migration			High													-	-	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			High													-	-	-	-
311	Waterfowl	Canada goose	Wintering			10000S													-	-	-	-
	Waterfowl	Waterfowl	Wintering			100S													-	-	-	-
314	Wading	BC night-heron	Concentration Area	-/T		3													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C		1													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		15													-	-	-	-
	Wading	Great egret	Concentration Area			92													-	-	-	-
	Wading	Green heron	Concentration Area			6													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		1													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		53													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		1													-	-	-	-
315	Diving	Pied-billed grebe	Nesting	T/E		1 Pair													Mar-Jun	-	-	-
323	Waterfowl	American black duck	Wintering			1000S													-	-	-	-
	Waterfowl	Brant	Wintering			1000S													-	-	-	-
	Waterfowl	Bufflehead	Wintering			100S													-	-	-	-
	Waterfowl	Canada goose	Wintering			100S													-	-	-	-
	Waterfowl	Long-tailed duck	Wintering			100S													-	-	-	-
	Waterfowl	Mallard	Wintering			100S													-	-	-	-
	Waterfowl	Scaup	Wintering			10000S													-	-	-	-
324	Wading	BC night-heron	Concentration Area	-/T		3													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C		1													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		15													-	-	-	-
	Wading	Great egret	Concentration Area			92													-	-	-	-
	Wading	Green heron	Concentration Area			6													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		1													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		53													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		1													-	-	-	-
	Waterfowl	Canada goose	Wintering			10000S													-	-	-	-
	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					
415	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	Rare													-	-	-	Jan-Dec	Jan-Dec
513	Diadromous	Alewife	Migration			-													-	-	-	-	Mar-Jun
	Diadromous	American shad	Migration			-													-	-	-	-	Mar-Jun
	Diadromous	Blueback herring	Migration			-													-	-	-	-	Mar-Jun

## HABITATS & RARE PLANTS

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					
520	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-	-
522	Upland	Rare upland community	Vulnerable Occurrence			-													-	-	-	-	-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
527	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-	-
	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
530	Wetland	Rare wetland community	Vulnerable Occurrence			-													-	-	-	-	-

## 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					
554	Reptile	Endangered reptile 1	Vulnerable Occurrence	E/-		-													-	-	-	-	Apr-Nov
560	Turtle	Green sea turtle	General Distribution	T/T	T	-													-	-	-	May-Nov	May-Nov
	Turtle	K. ridley sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	-
	Turtle	Leatherback sea turtle	General Distribution	E/E	E	-													-	-	-	May-Nov	May-Nov
	Turtle	Loggerhead sea turtle	General Distribution	T/E	T	-													-	-	-	May-Nov	May-Nov
594	Reptile	Threatened reptile 3	Vulnerable Occurrence	T/-		-													Apr-Aug	Jun-Sep	-	Jan-Dec	Jan-Dec

## 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

## 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					
687	Whale	Humpback whale	General Distribution	E/E	E	Common													-	-	-	-	-


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	Alewife			-													-	-	Jun-Aug	Aug-Oct	-
		Alewife			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
		American shad			-													-	-	Jun-Aug	Aug-Oct	-
		American shad			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
		Blueback herring			-													-	-	Jun-Aug	Aug-Oct	-
		Blueback herring			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun

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													-	-	-	-




FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Diadromous													-	-	-	Jan-Dec	Feb-Jun
	Alewife													-	-	Jun-Jul	Apr-Nov	Mar-Jun
	American eel													-	-	-	Jan-Dec	Sep-Nov
	American eel													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	American shad													-	-	-	Apr-Jun	Apr-May
	American shad													-	-	-	Jan-Dec	Apr-Aug
	Blueback herring													-	-	-	May-Nov	Mar-Jul
	Blueback herring													-	-	May-Jun	May-Nov	Mar-Jul
	Striped bass													-	-	-	Jan-Dec	Jan-Dec
	Atlantic croaker													-	-	Sep-Nov	Jul-Nov	Jul-Nov
	Estuarine Nursery													-	-	Apr-May	Jan-May	Jan-May
	Atlantic herring													-	-	Apr-Jul	Apr-Nov	May-Nov
	Atlantic menhaden													May-Oct*	May-Oct*	May-Oct*	Apr-Nov	Apr-Nov
	Atlantic menhaden													May-Aug	May-Aug	May-Aug	Jul-Dec	May-Nov
	Bay anchovy													May-Aug	May-Aug	Jun-Sep	Jul-Mar	Jan-Dec
	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

## FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Weakfish													Jun-Aug	Jun-Aug	Jun-Aug	Jun-Nov	May-Dec
	White perch													May-Jun	May-Jun	May-Jun	Jan-Dec	Jan-Dec
	White perch													-	-	-	Jan-Dec	Jan-Dec
	Windowpane													-	-	Apr-Nov	Jan-Dec	Jan-Dec
	Windowpane													Apr-Jul	Apr-Jul	Apr-Oct	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
	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
	Tautog													-	Jun	Jun	Apr-Dec	Apr-Nov
 Marine Pelagic	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	567.93	0.89
	10B	Freshwater Marshes	285.99	0.45
	10C	Swamps	367.19	0.57
	10D	Scrub and Shrub Wetlands	22.59	0.04
	9A	Sheltered Tidal Flats	12.71	0.02
	7	Exposed Tidal Flats	5.86	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	13,035.02	8.10	16%
	10B	Freshwater Marshes	289.58	0.18	< 1%
	10C	Swamps	310.72	0.19	< 1%
	9A	Sheltered Tidal Flats	2,573.02	1.60	3%
	9B	Vegetated Low Banks	28,386.59	17.64	34%
	8B	Sheltered, Solid Man-Made Structures	5,047.55	3.14	6%
	8C	Sheltered Riprap	3,069.02	1.91	4%
	7	Exposed Tidal Flats	425.78	0.26	1%
	6B	Riprap	3,335.66	2.07	4%
	5	Mixed Sand and Gravel Beaches	6,778.07	4.21	8%
	4	Coarse Grained Sand Beaches	5,064.88	3.15	6%
	3A	Fine to Medium Grained Sand Beaches	1,029.84	0.64	1%
	1B	Exposed, Solid Man-Made Structures	14,460.48	8.99	17%

Total ESI Shoreline:	83,806.23	Total ESI Shoreline:	52.07
Total Shoreline:	60,271.30	Total Shoreline:	37.45

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)

