

Map 24D

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 24D
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	-	-	-
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													-	-	-	-
300	Wading	Least bittern	Nesting	T/C		-													Apr-Sep	-	-	-
311	Waterfowl	Canada goose	Wintering			10000S													-	-	-	-
	Waterfowl	Waterfowl	Wintering			100S													-	-	-	-
335	Waterfowl	Red-breasted merganser	Wintering			100S													-	-	-	-
336	Wading	BC night-heron	Concentration Area	-/T		7													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		7													-	-	-	-
	Wading	Great egret	Concentration Area			39													-	-	-	-
	Wading	Green heron	Concentration Area			1													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		1													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		1													-	-	-	-
	Waterfowl	Red-breasted merganser	Wintering			100S													-	-	-	-
337	Wading	BC night-heron	Concentration Area	-/T		8													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		3													-	-	-	-
	Wading	Great egret	Concentration Area			28													-	-	-	-
	Wading	Green heron	Concentration Area			1													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		3													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		11													-	-	-	-
338	Wading	BC night-heron	Concentration Area	-/T		2													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		10													-	-	-	-
	Wading	Great egret	Concentration Area			27													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		19													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		3													-	-	-	-
339	Wading	BC night-heron	Concentration Area	-/T		3													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C		17													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		7													-	-	-	-
	Wading	Great egret	Concentration Area			30													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		2													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		14													-	-	-	-
340	Wading	Great egret	Concentration Area			28													-	-	-	-
	Wading	Green heron	Concentration Area			1													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		1													-	-	-	-

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				
341	Wading	YC night-heron	Concentration Area	-/T		1													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C		1													-	-	-	-
	Wading	Great egret	Roosting			73													-	-	-	-
342	Wading	BC night-heron	Concentration Area	-/T		6													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		6													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		5													-	-	-	-
343	Wading	Snowy egret	Concentration Area	-/C		6													-	-	-	-
344	Bird	Colonial waterbirds	Roosting			-													-	-	-	-
345	Wading	Great egret	Roosting			83													-	-	-	-

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					
508	Diadromous	Alewife	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
	Diadromous	Alewife	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
	Diadromous	American shad	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
	Diadromous	American shad	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
511	Diadromous	Blueback herring	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
	Diadromous	Blueback herring	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	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					
536	Wetland	Vernal pool	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					
610	Amphibian	Pine Barrens treefrog	Nesting	-/T		-													May-Jun	May-Jul	-	-	May-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
641	Crab	Horseshoe crab	Spawning Area			High													May-Jun	May-Jul	-	-	May-Jun
666	Bivalve	Blue mussel	Concentration Area			Historic													Apr-Sep	Apr-Sep	Apr-Sep	Jan-Dec	Jan-Dec
668	Bivalve	Northern quahog	Concentration Area			Historic													Jun-Sep	Jun-Sep	Jun-Sep	Jan-Dec	Jan-Dec
669	Bivalve	Softshell clam	Concentration Area			Historic													May-Oct	May-Oct	May-Oct	Jan-Dec	Jan-Dec

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				
	Waterfowl	American black duck	Wintering		1000S													-	-	-	-
		Brant	Wintering		1000S													-	-	-	-
		Bufflehead	Wintering		100S													-	-	-	-
		Canada goose	Wintering		100S													-	-	-	-
		Long-tailed duck	Wintering		100S													-	-	-	-
		Mallard	Wintering		100S													-	-	-	-
		Scaup	Wintering		10000S													-	-	-	-


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	Migration		-													-	-	-	-	Mar-Jun
		American shad	Migration		-													-	-	-	-	Mar-Jun
		Atlantic sturgeon	General Distribution	-/E	E	Rare												-	-	-	Jan-Dec	Jan-Dec
		Blueback herring	Migration		-													-	-	-	-	Mar-Jun


HABITATS & RARE PLANTS

Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence																
						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	Humpback whale	General Distribution	E/E	E	Common												-	-	-	-

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	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	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	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
	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
 Estuarine Resident	Windowpane													Apr-Jul	Apr-Jul	Apr-Oct	Jan-Dec	Jan-Dec
	Winter flounder													Nov-Apr	Nov-Apr	Nov-May	Jan-Dec	Oct-Jun
	Killifish													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Northern pipefish													May-Jul	-	May-Aug	Apr-Dec	Apr-Dec
 Marine Benthic	Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	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

FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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

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	1,380.54	2.16
	10B	Freshwater Marshes	174.09	0.27
	10C	Swamps	1,568.21	2.45
	10D	Scrub and Shrub Wetlands	149.44	0.23
	9A	Sheltered Tidal Flats	4.75	0.01
	7	Exposed Tidal Flats	19.57	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	30,268.16	18.81	38%
	10C	Swamps	74.66	0.05	< 1%
	10D	Scrub and Shrub Wetlands	69.08	0.04	< 1%
	9A	Sheltered Tidal Flats	548.54	0.34	1%
	9B	Vegetated Low Banks	32,570.06	20.24	41%
	8B	Sheltered, Solid Man-Made Structures	2,861.58	1.78	4%
	8C	Sheltered Riprap	176.75	0.11	< 1%
	7	Exposed Tidal Flats	1,342.44	0.83	2%
	6B	Riprap	3,654.50	2.27	5%
	5	Mixed Sand and Gravel Beaches	800.91	0.50	1%
	4	Coarse Grained Sand Beaches	3,742.42	2.33	5%
	3A	Fine to Medium Grained Sand Beaches	1,438.69	0.89	2%
	1B	Exposed, Solid Man-Made Structures	1,461.60	0.91	2%

Total ESI Shoreline:	79,009.41	Total ESI Shoreline:	49.09
Total Shoreline:	45,246.10	Total Shoreline:	28.11

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

