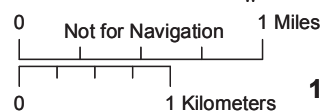


Map 21B
 NY/ NJ Metropolitan Area



SEE BACK OF MAP
 for details about mapped species and other
 species that occur in the mapped area.
 Data Published: February 2016



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Map 21B
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				
6	Raptor	Northern harrier	Nesting	T/E	-	-													Apr-Aug	-	-	-
129	Raptor	Endangered raptor 1	Nesting	E/E	1 Pair	-													Mar-Jul	-	-	-
266	Wading	BC night-heron	Concentration Area	-/T	4	-													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C	16	-													-	-	-	-
	Wading	Great egret	Concentration Area		28	-													-	-	-	-
	Wading	Green heron	Concentration Area		1	-													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C	160	-													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T	3	-													-	-	-	-
269	Wading	YC night-heron	Nesting	-/T	-	-													Apr-Aug	-	-	-
275	Wading	Great blue heron	Concentration Area	-/C	3	-													-	-	-	-
276	Wading	BC night-heron	Concentration Area	-/T	44	-													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C	1	-													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C	81	-													-	-	-	-
	Wading	Great egret	Concentration Area		492	-													-	-	-	-
	Wading	Green heron	Concentration Area		9	-													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C	3	-													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C	410	-													-	-	-	-
	Wading	Tricolored heron	Concentration Area	-/C	3	-													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T	5	-													-	-	-	-
277	Wading	BC night-heron	Concentration Area	-/T	3	-													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C	1	-													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C	11	-													-	-	-	-
	Wading	Great egret	Concentration Area		23	-													-	-	-	-
	Wading	Green heron	Concentration Area		2	-													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C	18	-													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T	1	-													-	-	-	-
278	Wading	BC night-heron	Concentration Area	-/T	3	-													-	-	-	-
	Wading	Great egret	Concentration Area		41	-													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C	1	-													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C	8	-													-	-	-	-
279	Wading	Green heron	Concentration Area		1	-													-	-	-	-
280	Diving	Pied-billed grebe	Nesting	T/E	-	-													Mar-Jun	-	-	-
	Wading	Herons	Nesting		-	-													Mar-Sep	-	-	-
	Wading	Least bittern	Nesting	T/C	-	-													Apr-Sep	-	-	-
281	Diving	Pied-billed grebe	Nesting	T/E	-	-													Mar-Jun	-	-	-
282	Wading	Great blue heron	Concentration Area	-/C	2	-													-	-	-	-
	Wading	Great egret	Concentration Area		12	-													-	-	-	-

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				
283	Wading	Snowy egret	Concentration Area	-/C		37													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		6													-	-	-	-
	Wading	BC night-heron	Concentration Area	-/T		9													-	-	-	-
	Wading	Great egret	Concentration Area			23													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		19													-	-	-	-
284	Wading	YC night-heron	Concentration Area	-/T		3													-	-	-	-
	Wading	BC night-heron	Concentration Area	-/T		11													-	-	-	-
	Wading	Clapper rail	Nesting			-													Apr-Sep	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		25													-	-	-	-
	Wading	Great egret	Concentration Area			76													-	-	-	-
285	Wading	Snowy egret	Concentration Area	-/C		55													-	-	-	-
	Wading	Tricolored heron	Concentration Area	-/C		1													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		6													-	-	-	-
	Wading	Clapper rail	Nesting			-													Apr-Sep	-	-	-
	Wading	Great egret	Concentration Area			145													-	-	-	-
286	Waterfowl	Common moorhen	Nesting			-													May-Sep	-	-	-
287	Bird	Colonial waterbirds	Roosting			-													-	-	-	-
288	Wading	Great egret	Roosting			30													-	-	-	-
	Bird	Colonial waterbirds	Roosting			-													-	-	-	-
289	Wading	Great egret	Roosting			40													-	-	-	-
	Bird	Colonial waterbirds	Roosting			-													-	-	-	-
290	Raptor	Threatened raptor	Nesting	-/T		1 Pair													Apr-Jul	-	-	-

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
499	Diadromous	Anadromous fish	Migration			High													-	-	-	-	Mar-Oct*
500	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	Nov-Apr	Nov-Apr
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	Jan-Dec	Jan-Dec
	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
504	Diadromous	Blueback herring	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

HABITATS & RARE PLANTS

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				
520	Plant	Endangered plant	Vulnerable Occurrence	E/E		-													-	-	-	-

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					
604	Amphibian	Rare frog	Nesting			-													Mar-Oct*	-	-	-	Jan-Dec
605	Turtle	N. diamondback terrapin	Vulnerable Occurrence			-													-	-	-	Apr-Nov	Apr-Nov
606	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	Loggerhead sea turtle	General Distribution	T/E	T	-													-	-	-	May-Nov	May-Nov

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					
661	Crab	Blue crab	Concentration Area			High													-	-	-	Dec-Mar	Dec-Mar

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)

BIRDS



Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
1	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-	-
		Waterfowl	Wintering			High													-	-	-	-	-

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)


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					
	Diadromous	Alewife																	-	-	Jun-Jul	Apr-Nov	Mar-Jun
		Alewife																	-	-	-	May-Nov	Mar-Jul
		American eel																	-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American eel																	-	-	-	Jan-Dec	Sep-Nov
		American shad																	-	-	-	May-Nov	Mar-Jul
		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
	Estuarine Nursery	Atlantic herring																	-	-	Apr-May	Jan-May	Jan-May
		Atlantic menhaden																	-	-	Apr-Jul	Apr-Nov	May-Nov
		Bay anchovy																	May-Aug	May-Aug	May-Aug	Jul-Dec	May-Nov
		Bay anchovy																	May-Aug	May-Aug	May-Aug	Jul-Dec	Apr-Nov
		Bluefish																	-	-	-	May-Oct	May-Oct
		Northern kingfish																	-	-	-	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

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													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
	Windowpane													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Windowpane													-	-	Apr-Nov	Jan-Dec	Jan-Dec
	Winter flounder													Nov-Mar	Nov-Mar	Nov-Mar	Jan-Dec	Oct-Jun
	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
	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Jul	Jan-Dec	Jan-Dec
	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Aug	Jan-Dec	Jan-Dec
	Smooth dogfish													May-Jun	May-Oct	-	Apr-Oct	Apr-Oct
	Tautog													-	Jun	Jun	Apr-Dec	Apr-Nov

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	Jun-Oct	Jun-Oct	Jan-Dec	Jan-Dec
	Blue crab													Aug-Nov	-	-	Jan-Dec	Jan-Dec
	Blue crab													May-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	1,307.12	2.04
	10B	Freshwater Marshes	101.81	0.16
	10C	Swamps	0.58	0.00
	10D	Scrub and Shrub Wetlands	0.92	0.00
	9A	Sheltered Tidal Flats	537.28	0.84
	7	Exposed Tidal Flats	2.70	0.00

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	47,411.47	29.46	20%
	10B	Freshwater Marshes	763.73	0.47	< 1%
	10D	Scrub and Shrub Wetlands	206.78	0.13	< 1%
	9A	Sheltered Tidal Flats	30,269.72	18.81	13%
	9B	Vegetated Low Banks	80,254.33	49.87	34%
	8B	Sheltered, Solid Man-Made Structures	21,599.10	13.42	9%
	8C	Sheltered Riprap	21,713.42	13.49	9%
	7	Exposed Tidal Flats	1,157.33	0.72	< 1%
	6A	Gravel Beaches	885.43	0.55	< 1%
	6B	Riprap	6,638.92	4.13	3%
	4	Coarse Grained Sand Beaches	614.06	0.38	< 1%
	1B	Exposed, Solid Man-Made Structures	26,187.68	16.27	11%

Total ESI Shoreline:	237,701.96	Total ESI Shoreline:	147.70
Total Shoreline:	148,253.40	Total Shoreline:	92.12

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

