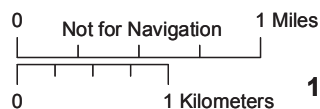


Map 23B
NY/ NJ Metropolitan Area



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 23B
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	-	-	-
260	Raptor	Endangered raptor 2	Nesting	T/E	-	1 Pair													-	-	-	-
269	Wading	YC night-heron	Nesting	-/T	-	-													Apr-Aug	-	-	-
272	Raptor	Northern harrier	Nesting	T/E	-	1 Pair													Apr-Aug	-	-	-
290	Raptor	Threatened raptor	Nesting	-/T	-	1 Pair													Apr-Jul	-	-	-
312	Waterfowl	Canada goose	Wintering			1000S													-	-	-	-
	Waterfowl	Common merganser	Wintering			100S													-	-	-	-
	Waterfowl	Snow goose	Wintering			100S													-	-	-	-
313	Raptor	Northern harrier	Nesting	T/E	-	-													Apr-Aug	-	-	-
	Wading	Great blue heron	Concentration Area	-/C	-	3													-	-	-	-
	Wading	Great egret	Concentration Area		-	4													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C	-	4													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T	-	2													-	-	-	-
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	-	-	-
316	Bird	Colonial waterbirds	Roosting		-	-													-	-	-	-
	Wading	Great egret	Roosting		-	35													-	-	-	-

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
504	Diadromous	American shad	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
	Diadromous	American shad	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
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	-

FISH (continued)


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	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

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		-													-	-	-	-	-

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)

BIRDS


Monthly Presence																						
Subelement	Species	Mapping Qualifier	S	F	Concentration	J	F	M	A	M	J	J	A	S	O	N	D	Nest	Mig.(S)	Mig.(F)	Molt	
	Waterfowl	Canada goose	Wintering		10000S													-	-	-	-	-
		Waterfowl	Wintering		100S													-	-	-	-	-

HABITATS & RARE PLANTS



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					
	Plant	Rare plant	Vulnerable Occurrence	C/C	-													-	-	-	-	-

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													-	-	Jun-Jul	Apr-Nov	Mar-Jun
	Alewife													-	-	Apr-Aug	Jan-Dec	Sep-Nov
	American eel													-	-	-	Jan-Dec	Sep-Nov
	American eel													-	-	-	Jan-Dec	Sep-Nov
	American shad													-	-	-	Jan-Dec	Apr-Aug
	Blueback herring													-	-	May-Jun	May-Nov	Mar-Jul
	Striped bass													-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery													-	-	Apr-May	Jan-May	Jan-May
	Atlantic herring													-	-	Apr-Jul	Apr-Nov	May-Nov
	Atlantic menhaden													-	-	-	May-Oct	May-Oct
	Bay anchovy													May-Aug	May-Aug	May-Aug	Jul-Dec	May-Nov
	Bluefish													-	-	-	Jun-Oct	Jun-Oct
	Northern kingfish													-	-	-	Jun-Oct	Jun-Oct
	Scup													-	-	-	Jun-Nov	Jun-Nov
	Spot													-	-	-	May-Oct	May-Oct
	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
	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
	Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
 Marine Benthic	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Aug	Jan-Dec	Jan-Dec
	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	-	-	Jan-Dec	Jan-Dec










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

ESI Rank	Habitat Classification	Area (Acres)	Area (Sq. Miles)
 10A	Salt and Brackish Water Marshes	2,247.05	3.51
 10B	Freshwater Marshes	187.34	0.29
 10C	Swamps	878.34	1.37
 10D	Scrub and Shrub Wetlands	262.87	0.41
 9A	Sheltered Tidal Flats	37.46	0.06

ESI SHORELINE HABITAT TYPES

ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
 10A	Salt and Brackish Water Marshes	52,860.35	32.85	34%
 10B	Freshwater Marshes	281.45	0.17	< 1%
 10C	Swamps	3,218.89	2.00	2%
 10D	Scrub and Shrub Wetlands	3,104.18	1.93	2%
 9A	Sheltered Tidal Flats	4,718.39	2.93	3%
 9B	Vegetated Low Banks	83,853.11	52.10	54%
 8B	Sheltered, Solid Man-Made Structures	3,461.74	2.15	2%
 8C	Sheltered Riprap	3,455.69	2.15	2%
 4	Coarse Grained Sand Beaches	121.83	0.08	< 1%

Total ESI Shoreline:	155,075.63	Total ESI Shoreline:	96.36
Total Shoreline:	90,297.87	Total Shoreline:	56.11

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

