

Map 22B
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				
72	Shorebird	Semipalmated sandpiper	Migration	-/C		100S													-	Apr-May	Aug-Sep	-
129	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-
268	Gull/Tern	Least tern	Nesting	T/E		-													May-Sep	-	-	-
290	Raptor	Threatened raptor	Nesting	-/T		1 Pair													Apr-Jul	-	-	-
303	Wading	BC night-heron	Concentration Area	-/T		2													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C		6													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		3													-	-	-	-
	Wading	Great egret	Concentration Area			34													-	-	-	-
	Wading	Green heron	Concentration Area			2													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		86													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		5													-	-	-	-
304	Wading	BC night-heron	Concentration Area	-/T		2													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		2													-	-	-	-
	Wading	Great egret	Concentration Area			6													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		2													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		7													-	-	-	-
305	Wading	BC night-heron	Concentration Area	-/T		2													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C		1													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		4													-	-	-	-
	Wading	Great egret	Concentration Area			8													-	-	-	-
	Wading	Green heron	Concentration Area			1													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		3													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		4													-	-	-	-
306	Diving	D. crested cormorant	Nesting			5-50 Pairs													Jun-Sep	-	-	-
	Wading	BC night-heron	Nesting	-/T		-													Mar-Jul	-	-	-
	Wading	Cattle egret	Nesting	-/T		-													Apr-Aug	-	-	-
	Wading	Glossy ibis	Nesting	-/C		-													Apr-Aug	-	-	-
	Wading	Little blue heron	Nesting	-/C		-													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	-/C		-													Apr-Aug	-	-	-
	Wading	YC night-heron	Nesting	-/T		-													Apr-Aug	-	-	-
307	Shorebird	Upland sandpiper	Nesting	T/E		-													May-Jul	-	-	-
308	Wading	Cattle egret	Nesting	-/T		-													Apr-Aug	-	-	-
	Wading	Glossy ibis	Nesting	-/C		-													Apr-Aug	-	-	-
	Wading	Little blue heron	Nesting	-/C		-													Apr-Aug	-	-	-
	Wading	Snowy egret	Nesting	-/C		-													Apr-Aug	-	-	-
	Wading	YC night-heron	Nesting	-/T		-													Apr-Aug	-	-	-
309	Wading	Wading birds	Concentration Area			High													-	-	-	-

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					
509	Freshwater	Brown bullhead	Harvest Area			-													May-Jun	May-Jun	May-Aug	Jan-Dec	Jan-Dec
	Freshwater	Golden shiner	Harvest Area			-													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Freshwater	Largemouth bass	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Pumpkinseed	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Smallmouth bass	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec

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/-		-													-	-	-	-	-
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					
607	Amphibian	Southern leopard frog	Vulnerable Occurrence	C/-		-													-	-	-	-	Mar-Oct

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					
651	Insect	Checkered white	Vulnerable Occurrence	C/-		-													-	-	-	-	Jul-Oct





WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)

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	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
		Alewife	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
		American shad	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
		American shad	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun
		Blueback herring	Nursery Area			-													-	-	Jun-Aug	Aug-Oct	-
		Blueback herring	Spawning Area			-													Mar-Jun	Mar-Jun	-	-	Mar-Jun

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)

FISH

	Subelement	Species	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
		American eel													-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American eel													-	-	-	Jan-Dec	Sep-Nov
		American shad													-	-	-	Jan-Dec	Apr-Aug
		Blueback herring													-	-	May-Jun	May-Nov	Mar-Jul
	Estuarine Nursery	Striped bass													-	-	-	Jan-Dec	Jan-Dec
		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
		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
		Windowpane													-	-	Apr-Nov	Jan-Dec	Jan-Dec
	Estuarine Resident	Winter flounder													Nov-Apr	Nov-Apr	Nov-May	Jan-Dec	Oct-Jun
		Killifish													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		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

	<i>ESI Rank</i>	<i>Habitat Classification</i>	<i>Area (Acres)</i>	<i>Area (Sq. Miles)</i>
	10A	Salt and Brackish Water Marshes	1,200.10	1.88
	10B	Freshwater Marshes	162.89	0.25
	10C	Swamps	177.21	0.28
	10D	Scrub and Shrub Wetlands	10.28	0.02
	9A	Sheltered Tidal Flats	34.41	0.05
	7	Exposed Tidal Flats	17.32	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	54,382.37	33.79	27%
	10B	Freshwater Marshes	1,155.29	0.72	1%
	10C	Swamps	113.90	0.07	< 1%
	9A	Sheltered Tidal Flats	7,421.54	4.61	4%
	9B	Vegetated Low Banks	75,981.40	47.21	37%
	8B	Sheltered, Solid Man-Made Structures	31,659.76	19.67	16%
	8C	Sheltered Riprap	10,676.40	6.63	5%
	7	Exposed Tidal Flats	4,033.87	2.51	2%
	6A	Gravel Beaches	2,071.06	1.29	1%
	6B	Riprap	3,042.67	1.89	1%
	5	Mixed Sand and Gravel Beaches	8,414.71	5.23	4%
	4	Coarse Grained Sand Beaches	61.32	0.04	< 1%
	1A	Exposed, Rocky Shores	70.96	0.04	< 1%
	1B	Exposed, Solid Man-Made Structures	5,137.40	3.19	3%

Total ESI Shoreline:	204,222.65	Total ESI Shoreline:	126.90
Total Shoreline:	132,370.14	Total Shoreline:	82.25

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

