

Map 22A
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	-	-	-
208	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			High													-	-	-	-
299	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													-	-	-	-
	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			High													-	-	-	-
300	Wading	Least bittern	Nesting	T/C		-													Apr-Sep	-	-	-
301	Wading	Least bittern	Nesting	T/C		-													Apr-Sep	-	-	-
	Waterfowl	Common moorhen	Nesting			-													May-Sep	-	-	-
302	Diving	Pied-billed grebe	Nesting	T/E		-													Mar-Jun	-	-	-
	Wading	Hérons	Nesting			-													Mar-Sep	-	-	-

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	-
	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											
							J	F	M	A	M	J	J	A	S	O	N	D
520	Plant	Endangered plant	Vulnerable Occurrence	E/E		-												-

INVERTEBRATES

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
651	Insect	Checkered white	Vulnerable Occurrence	C/-		-												-

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
		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

	<i>ESI Rank</i>	<i>Habitat Classification</i>	<i>Area (Acres)</i>	<i>Area (Sq. Miles)</i>
	10A	Salt and Brackish Water Marshes	54.20	0.08
	10B	Freshwater Marshes	47.14	0.07
	10D	Scrub and Shrub Wetlands	2.77	0.00
	9A	Sheltered Tidal Flats	6.12	0.01
	7	Exposed Tidal Flats	3.77	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	1,780.40	1.11	4%
	9A	Sheltered Tidal Flats	459.92	0.29	1%
	9B	Vegetated Low Banks	14,037.07	8.72	33%
	8B	Sheltered, Solid Man-Made Structures	13,643.23	8.48	32%
	8C	Sheltered Riprap	11,657.98	7.24	28%
	7	Exposed Tidal Flats	612.21	0.38	1%
	5	Mixed Sand and Gravel Beaches	29.04	0.02	< 1%

Total ESI Shoreline:	42,219.86	Total ESI Shoreline:	26.23
Total Shoreline:	35,982.68	Total Shoreline:	22.36

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

