

Map 20C
Hudson River



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 20C
Hudson River

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	-	-	-
260	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													-	-	-	-
263	Wading	BC night-heron	Concentration Area	-/T		2													-	-	-	-
	Wading	Glossy ibis	Concentration Area	-/C		2													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		15													-	-	-	-
	Wading	Great egret	Concentration Area			96													-	-	-	-
	Wading	Green heron	Concentration Area			1													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		144													-	-	-	-
	Wading	Tricolored heron	Concentration Area	-/C		2													-	-	-	-
264	Wading	Great blue heron	Concentration Area	-/C		1													-	-	-	-
	Wading	Great egret	Concentration Area			10													-	-	-	-
	Wading	Green heron	Concentration Area			2													-	-	-	-
265	Wading	BC night-heron	Concentration Area	-/T		4													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		8													-	-	-	-
	Wading	Great egret	Concentration Area			22													-	-	-	-
	Wading	Green heron	Concentration Area			1													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		1													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		35													-	-	-	-
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													-	-	-	-
267	Wading	BC night-heron	Concentration Area	-/T		8													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		13													-	-	-	-
	Wading	Great egret	Concentration Area			30													-	-	-	-
268	Gull/Tern	Least tern	Nesting	T/E		-													May-Sep	-	-	-
269	Wading	YC night-heron	Nesting	-/T		-													Apr-Aug	-	-	-
270	Wading	Virginia rail	Nesting			-													Apr-Sep	-	-	-
	Waterfowl	Common moorhen	Nesting			-													May-Sep	-	-	-
271	Bird	Colonial waterbirds	Roosting			-													-	-	-	-
	Wading	Great egret	Roosting			80													-	-	-	-
272	Raptor	Northern harrier	Nesting	T/E		1 Pair													Apr-Aug	-	-	-

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

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		-													-	-	-	-	-

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					
600	Turtle	Wood turtle	Vulnerable Occurrence	C/T		-													-	-	-	Mar-Nov	Mar-Nov
603	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		-													-	-	-	Apr-Nov	Apr-Nov
604	Amphibian	Rare frog	Nesting			-													Mar-Oct*	-	-	-	Jan-Dec
605	Turtle	N. diamondback terrapin	Vulnerable Occurrence			-													-	-	-	Apr-Nov	Apr-Nov



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	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-	-
		Waterfowl	Wintering			High													-	-	-	-	-

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)

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																	-	-	-	May-Nov	Mar-Jul
		Alewife																	-	-	Jun-Jul	Apr-Nov	Mar-Jun
		American eel																	-	-	-	Jan-Dec	Sep-Nov
		American eel																	-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American shad																	-	-	-	May-Nov	Mar-Jul
		American shad																	-	-	-	Jan-Dec	Apr-Aug
		Blueback herring																	-	-	May-Jun	May-Nov	Mar-Jul
		Blueback herring																	-	-	-	May-Nov	Mar-Jul
		Striped bass																	-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic herring																	-	-	Apr-May	Jan-May	Jan-May

FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
	White perch													May-Jun	May-Jun	May-Jun	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
	Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Marine Benthic Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Jul	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													Aug-Nov	-	-	Jan-Dec	Jan-Dec
	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	2,048.05	3.20
	10B	Freshwater Marshes	163.55	0.26
	10C	Swamps	126.19	0.20
	10D	Scrub and Shrub Wetlands	111.07	0.17
	9A	Sheltered Tidal Flats	581.37	0.91

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	71,056.71	44.15	26%
	10B	Freshwater Marshes	1,068.40	0.66	< 1%
	10C	Swamps	210.91	0.13	< 1%
	10D	Scrub and Shrub Wetlands	68.05	0.04	< 1%
	9A	Sheltered Tidal Flats	53,037.91	32.96	19%
	9B	Vegetated Low Banks	122,830.63	76.32	45%
	8B	Sheltered, Solid Man-Made Structures	6,436.91	4.00	2%
	8C	Sheltered Riprap	12,738.76	7.92	5%
	6A	Gravel Beaches	951.92	0.59	< 1%
	6B	Riprap	1,265.34	0.79	< 1%
	5	Mixed Sand and Gravel Beaches	1,933.61	1.20	1%
	1B	Exposed, Solid Man-Made Structures	1,574.69	0.98	1%

Total ESI Shoreline:	273,173.83	Total ESI Shoreline:	169.74
Total Shoreline:	145,098.77	Total Shoreline:	90.16

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

