



Map 20A  
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	-	-	-
258	Waterfowl	Canada goose	Wintering			1000S													-	-	-	-
259	Raptor	Endangered raptor 2	Wintering	T/E		-													-	-	-	-
260	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													-	-	-	-

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					
489	Marine Benthic	Atlantic tomcod	Nursery Area			-													-	-	Apr-Jul	Apr-Jul	-
495	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	Jan-Dec	Nov-Apr

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		-													-	-	-	-	-
522	Upland	Rare upland community	Vulnerable Occurrence			-													-	-	-	-	-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
536	Wetland	Vernal pool	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					
600	Turtle	Wood turtle	Vulnerable Occurrence	C/T		-													-	-	-	Mar-Nov	Mar-Nov
601	Turtle	Bog turtle	Vulnerable Occurrence	E/E	T	-													-	-	-	Apr-Oct	Apr-Oct
602	Snake	Rare snake	Vulnerable Occurrence	C/C		-													-	-	-	-	Apr-Nov

TERRESTRIAL MAMMALS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence																
							J	F	M	A	M	J	J	A	S	O	N	D					
698	Small Mammal	Allegheny woodrat	Vulnerable Occurrence	E/E		-													-	-	-	-	-






WIDESPREAD IN MAPPED AREA ( > 10 SQUARE KILOMETERS )

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

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												-	-	-	May-Nov	Mar-Jul
		Alewife												-	-	May-Jun	Jun-Oct	Apr-Jun
		American eel												-	-	-	Jan-Dec	Sep-Nov
		American shad												-	-	-	May-Nov	Mar-Jul
		Blueback herring												-	-	May-Jun	Jun-Oct	Apr-Jun
		Blueback herring												-	-	-	May-Nov	Mar-Jul
		Striped bass												-	-	-	Jan-Dec	Jan-Dec
	Estuarine Nursery	Atlantic menhaden												-	-	Apr-Jul	Apr-Nov	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
		Windowpane												Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Estuarine Resident	Winter flounder												Nov-Mar	Nov-Mar	Nov-Mar	Jan-Dec	Oct-Jun
		Killifish												May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Freshwater	Silversides												May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		Yellow perch												-	-	Apr-May	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod												Dec-Feb	Dec-Mar	Jan-Jul	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


For additional information about species locations and extent, reference the underlying GIS data available from [response.restoration.noaa.gov](https://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	0.33	0.00
	10B	Freshwater Marshes	9.02	0.01
	10C	Swamps	753.14	1.18
	10D	Scrub and Shrub Wetlands	63.45	0.10
	7	Exposed Tidal Flats	3.12	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	81.46	0.05	< 1%
	9B	Vegetated Low Banks	223.54	0.14	1%
	7	Exposed Tidal Flats	642.92	0.40	2%
	6A	Gravel Beaches	3,893.85	2.42	14%
	6B	Riprap	17,161.79	10.66	61%
	5	Mixed Sand and Gravel Beaches	77.64	0.05	< 1%
	4	Coarse Grained Sand Beaches	86.00	0.05	< 1%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	148.73	0.09	1%
	1B	Exposed, Solid Man-Made Structures	5,992.84	3.72	21%

Total ESI Shoreline:	28,308.77	Total ESI Shoreline:	17.59
Total Shoreline:	27,221.40	Total Shoreline:	16.91

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](https://response.restoration.noaa.gov)

