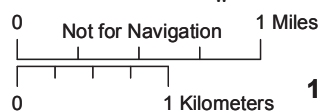


Map 20B
Hudson River



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 20B
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													-	-	-	-
261	Wading	BC night-heron	Concentration Area	-/T		1													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		3													-	-	-	-
	Wading	Great egret	Concentration Area			5													-	-	-	-
	Wading	Green heron	Concentration Area			2													-	-	-	-
	Wading	Little blue heron	Concentration Area	-/C		1													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		2													-	-	-	-
262	Wading	BC night-heron	Concentration Area	-/T		14													-	-	-	-
	Wading	Great blue heron	Concentration Area	-/C		1													-	-	-	-
	Wading	Great egret	Concentration Area			1													-	-	-	-
	Wading	Green heron	Concentration Area			1													-	-	-	-
	Wading	Snowy egret	Concentration Area	-/C		2													-	-	-	-
	Wading	YC night-heron	Concentration Area	-/T		3													-	-	-	-

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					
496	Freshwater	Bluegill	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-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	Yellow perch	Harvest Area			High													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
497	Freshwater	Bluegill	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Common carp	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-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	Yellow perch	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
498	Freshwater	Bluegill	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Brown bullhead	Harvest Area			-													May-Jun	May-Jun	May-Aug	Jan-Dec	Jan-Dec
	Freshwater	Common carp	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-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	White sucker	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Yellow perch	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											
							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			-												-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-												-

REPTILES & AMPHIBIANS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
600	Turtle	Wood turtle	Vulnerable Occurrence	C/T		-												-
603	Turtle	Eastern box turtle	Vulnerable Occurrence	C/C		-												-



WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)

FISH



	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
	Diadromous	Anadromous fish	Migration			High												-
		Atlantic sturgeon	General Distribution	-/E	E	-												-
		Shortnose sturgeon	General Distribution	E/E	E	-												-

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
		American eel													-	-	Apr-Aug	Jan-Dec	Sep-Nov
		American eel													-	-	-	Jan-Dec	Sep-Nov
		American shad													-	-	-	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
		Atlantic menhaden													-	-	Apr-Jul	Apr-Nov	May-Nov
		Bay anchovy													May-Aug	May-Aug	May-Aug	Jul-Dec	Apr-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
		White perch													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
		Windowpane													-	-	Apr-Nov	Jan-Dec	Jan-Dec
		Windowpane													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec

FISH (continued)

	Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
			J	F	M	A	M	J	J	A	S	O	N	D					
		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-Aug	Jan-Dec	Jan-Dec
		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

SHORELINE RESOURCES

ESI POLYGON HABITAT TYPES

ESI Rank	Habitat Classification	Area (Acres)	Area (Sq. Miles)
 10A	Salt and Brackish Water Marshes	0.75	0.00
 10B	Freshwater Marshes	11.62	0.02
 10C	Swamps	40.39	0.06
 9A	Sheltered Tidal Flats	40.61	0.06
 7	Exposed Tidal Flats	1.67	0.00

ESI SHORELINE HABITAT TYPES

ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
 10A	Salt and Brackish Water Marshes	110.11	0.07	< 1%
 9A	Sheltered Tidal Flats	3,591.25	2.23	6%
 9B	Vegetated Low Banks	1,946.28	1.21	3%
 8A	Sheltered, Impermeable, Rocky Shores	301.03	0.19	< 1%
 8B	Sheltered, Solid Man-Made Structures	13,516.98	8.40	21%
 8C	Sheltered Riprap	11,946.24	7.42	19%
 6A	Gravel Beaches	923.95	0.57	1%
 6B	Riprap	19,659.39	12.22	31%
 5	Mixed Sand and Gravel Beaches	2,187.19	1.36	3%
 4	Coarse Grained Sand Beaches	572.32	0.36	1%
 1B	Exposed, Solid Man-Made Structures	9,647.90	5.99	15%

Total ESI Shoreline:	64,402.64	Total ESI Shoreline:	40.02
Total Shoreline:	56,493.82	Total Shoreline:	35.10

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

