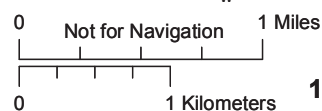


Map 19B
Hudson River



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 19B Hudson River

BIOLOGICAL RESOURCES

Note: An asterisk (*) indicates that life stage occurs in this range but not in all months included

DISPLAYED ON MAP

BENTHIC

	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
	SAV	Water celery	High Ecological Value			Present												-
	SAV	Water celery	High Ecological Value			Potential												-

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				
197	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													Mar-Jul	-	-	-
253	Waterfowl	Canada goose	Nesting			4 Pairs													Mar-Jun	-	-	-
	Waterfowl	Common merganser	Nesting			1 Pair													May-Aug	-	-	-
	Waterfowl	Mallard	Nesting			9 Pairs													Mar-Sep	-	-	-
	Waterfowl	Wood duck	Nesting			4 Pairs													Mar-Sep	-	-	-
254	Waterfowl	Mallard	Nesting			2 Pairs													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					
411	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	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
491	Diadromous	Atlantic sturgeon	Concentration Area	-/E	E	High													-	-	-	Nov-Apr	Nov-Apr
	Diadromous	Atlantic sturgeon	Nursery Area	-/E	E	High													-	-	-	May-Oct	-
494	Diadromous	Anadromous fish	Migration			High													-	-	-	-	Mar-Oct*

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/-		-													-	-	-	-	-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-

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					
660	Crab	Blue crab	Concentration Area			High													Aug-Nov	-	-	Jan-Dec	Jan-Dec







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	American shad			-													-	-	May-Jun	Jun-Oct	-
		Atlantic sturgeon	-/E	E	-													-	-	-	Jan-Dec	Nov-Apr
		Shortnose sturgeon	E/E	E	-													-	-	-	Jan-Dec	Jan-Dec
		Striped bass			High													-	-	-	Jul-Oct	-
	Estuarine Nursery	Nursery fish			High													-	-	Jan-Dec	Jan-Dec	-
	Marine Benthic	Atlantic tomcod			-													-	-	Apr-Jul	Apr-Jul	-

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-Jun	Jun-Oct	Apr-Jun
		American eel												-	-	-	Jan-Dec	Sep-Nov
		American shad												-	-	May-Jun	Jun-Oct	Apr-Jun
		American shad												-	-	-	May-Nov	Mar-Jul
	Estuarine Nursery	Blueback herring												-	-	May-Jun	Jun-Oct	Apr-Jun
		Striped bass												-	-	-	Jul-Oct	Mar-Oct
		Atlantic menhaden												-	-	Apr-Jul	Apr-Nov	May-Nov
		Bay anchovy												May-Aug	May-Aug	May-Aug	Jul-Dec	Apr-Nov
	Estuarine Resident	Bluefish												-	-	-	May-Oct	May-Oct
		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
	Marine Benthic	Windowpane												Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
		Winter flounder												Nov-Mar	Nov-Mar	Nov-Mar	Jan-Dec	Oct-Jun
		Killifish												May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		Silversides												May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Freshwater	Yellow perch												-	-	Apr-May	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod												Dec-Feb	Dec-Mar	Jan-Jul	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	3.95	0.01
	10B	Freshwater Marshes	62.26	0.10
	10C	Swamps	320.87	0.50
	10D	Scrub and Shrub Wetlands	20.09	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	161.30	0.10	1%
	9B	Vegetated Low Banks	2,873.15	1.79	25%
	8B	Sheltered, Solid Man-Made Structures	1,489.46	0.93	13%
	8C	Sheltered Riprap	1,213.39	0.75	11%
	6A	Gravel Beaches	3,730.36	2.32	33%
	5	Mixed Sand and Gravel Beaches	1,873.31	1.16	17%

Total ESI Shoreline:	11,340.98	Total ESI Shoreline:	7.05
Total Shoreline:	9,645.58	Total Shoreline:	5.99

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

