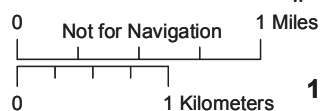


# Map 11B

## 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 11B**  
**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				
198	Raptor	Endangered raptor 1	Nesting	E/E		2 Pairs													Mar-Jul	-	-	-

**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					
418	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													May-Jul	May-Jul	May-Jul	Aug-Oct	May-Jul
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													Mar-May	Mar-May	May-Jul	Jun-Oct	Mar-May
419	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Alewife	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Freshwater	Walleye	Concentration Area			High													Mar-Apr	Mar-May	Apr-Jul	Jan-Dec	Mar-Apr
420	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Alewife	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
421	Diadromous	Alewife	Spawning Area			High													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			High													Apr-Jun	Apr-Jun	-	-	Apr-Jun
422	Freshwater	Walleye	Concentration Area			High													Mar-Apr	Mar-May	Apr-Jul	Jan-Dec	Mar-Apr

**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					
657	Bivalve	Alewife floater	Concentration Area			.01-0.1/M2													Aug-Sep	Aug-May	May-Jun	Jan-Dec	Jan-Dec
	Bivalve	Eastern elliptio	Concentration Area			10-20/M2													Aug-Sep	Aug-May	May-Jun	Jan-Dec	Jan-Dec
	Bivalve	Tidewater mucket	Concentration Area			.01-0.1/M2													Aug-Sep	Aug-May	May-Jun	Jan-Dec	Jan-Dec

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)




FISH

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Spawn</i>	<i>Eggs</i>	<i>Larvae</i>	<i>Juveniles</i>	<i>Adults</i>
			<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>					
	Diadromous	Alewife													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
		American eel													-	-	-	Jan-Dec	Sep-Nov
		American shad													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
		Blueback herring													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
		Striped bass													-	-	-	Jul-Oct	Mar-Oct
		Striped bass													Apr-Jun	Apr-Jun	May-Jul	Jul-Oct	Mar-Oct
	Estuarine Nursery	White perch													Apr-Jul	Apr-Jul	Apr-Jul	Jan-Dec	Jan-Dec
	Estuarine Resident	Killifish													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Freshwater	Largemouth bass													May-Jun	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
		Smallmouth bass													May-Jun	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
		Walleye													Mar-Apr	Mar-May	Apr-Jul	Jan-Dec	Jan-Dec
		Yellow perch													Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod													Dec-Mar	Dec-Mar	Dec-Jun	Jan-Dec	Oct-Apr








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>
	10B	Freshwater Marshes	225.85	0.35
	10C	Swamps	400.52	0.63
	10D	Scrub and Shrub Wetlands	82.10	0.13

### 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>
	10C	Swamps	3,998.80	2.48	8%
	9B	Vegetated Low Banks	28,258.83	17.56	53%
	8A	Sheltered, Impermeable, Rocky Shores	149.31	0.09	< 1%
	8B	Sheltered, Solid Man-Made Structures	8,237.53	5.12	15%
	8C	Sheltered Riprap	11,130.47	6.92	21%
	5	Mixed Sand and Gravel Beaches	946.26	0.59	2%
	4	Coarse Grained Sand Beaches	524.69	0.33	1%

Total ESI Shoreline:	53,245.89	Total ESI Shoreline:	33.09
Total Shoreline:	41,884.66	Total Shoreline:	26.03

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)

