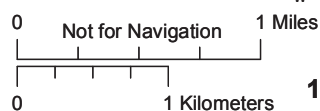


**Map 18B**  
Hudson River



**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 18B**  
**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	-	-	-
235	Passerine	Kentucky warbler	Nesting	-/C		-													Jun	-	-	-
244	Diving	Pied-billed grebe	Migration	T/E		High													-	Mar-Apr	Sep-Nov	Sep-Apr*
	Raptor	Northern harrier	General Distribution	T/E		-													Apr-Aug	-	-	-
	Raptor	Osprey	Migration	C/-		High													-	Apr-May	Sep-Nov	-
	Shorebird	Shorebirds	Migration			High													-	Mar-May	-	-
	Wading	Herons	Migration			High													-	Mar-Apr	Sep-Nov	-
	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
246	Passerine	Marsh wren	Nesting			3 Pairs													Apr-Aug	-	-	-
	Passerine	Swamp sparrow	Nesting			1 Pair													Apr-Sep	-	-	-
	Wading	Least bittern	Nesting	T/C		2 Pairs													Apr-Sep	-	-	-
	Wading	Virginia rail	Nesting			2 Pairs													Apr-Sep	-	-	-
247	Raptor	Bald eagle	Roosting	T/-		High													-	-	-	-
249	Raptor	Bald eagle	Wintering	T/-		High													-	-	-	-

**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					
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
444	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
487	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	May-Oct	May-Oct
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct
490	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	May-Oct	May-Oct
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct
491	Diadromous	Atlantic sturgeon	Concentration Area	-/E	E	High													-	-	-	Nov-Apr	Nov-Apr
	Diadromous	Atlantic sturgeon	Nursery Area	-/E	E	High													-	-	-	May-Oct	-

## 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/-		-												
527	Plant	Endangered plant	Vulnerable Occurrence	E/E		-												
	Plant	Threatened plant	Vulnerable Occurrence	T/-		-												

## 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
594	Reptile	Threatened reptile 3	Vulnerable Occurrence	T/-		-												
598	Reptile	Threatened reptile 2	Vulnerable Occurrence	T/-		-												

## WIDESPREAD IN MAPPED AREA ( > 10 SQUARE KILOMETERS )

## BIRDS

	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
	Raptor	Endangered raptor 2	Wintering	T/E		High												

## FISH

	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
	Diadromous	American shad	Nursery Area			-												
		Atlantic sturgeon	General Distribution	-/E	E	-												
		Shortnose sturgeon	General Distribution	E/E	E	-												
		Striped bass	Nursery Area			High												
	Estuarine Nursery	Nursery fish	Nursery Area			High												
	Marine Benthic	Atlantic tomcod	Nursery Area			-												

## INVERTEBRATES





	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
	Crab	Blue crab	Concentration Area			High												

## 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-Nov	Mar-Jul
		American shad													-	-	May-Jun	Jun-Oct	Apr-Jun
		Blueback herring													-	-	May-Jun	Jun-Oct	Apr-Jun

## FISH (continued)

	<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>					
	Estuarine Nursery	Striped bass													Apr-Jun	Apr-Jun	May-Jul	Jul-Oct	Mar-Oct
		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
		Bluefish													-	-	-	May-Oct	May-Oct
		Summer flounder													-	-	-	May-Oct	May-Oct
		Weakfish													Jun-Aug	Jun-Aug	Jun-Aug	Jun-Nov	May-Dec
	Estuarine Resident	White perch													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
		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

## REPTILES & AMPHIBIANS

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Nest</i>	<i>Hatch</i>	<i>Internest</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>					
	Turtle	Common map turtle													-	-	-	Apr-Oct	Apr-Oct
		Common snapping turtle													-	-	-	Apr-Nov	Apr-Nov
		Painted turtle													-	-	-	Mar-Nov	Mar-Nov







## INVERTEBRATES

	<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>					
	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	187.64	0.29
	10B	Freshwater Marshes	73.66	0.12
	10C	Swamps	266.65	0.42
	10D	Scrub and Shrub Wetlands	43.93	0.07
	9A	Sheltered Tidal Flats	103.37	0.16
	7	Exposed Tidal Flats	41.06	0.06

### 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	22,027.40	13.69	12%
	10B	Freshwater Marshes	2,616.43	1.63	1%
	10C	Swamps	708.27	0.44	< 1%
	10D	Scrub and Shrub Wetlands	1,561.04	0.97	1%
	9A	Sheltered Tidal Flats	21,580.32	13.41	12%
	9B	Vegetated Low Banks	67,480.89	41.93	37%
	8A	Sheltered, Impermeable, Rocky Shores	3,346.47	2.08	2%
	8B	Sheltered, Solid Man-Made Structures	12,839.99	7.98	7%
	8C	Sheltered Riprap	19,125.24	11.88	11%
	7	Exposed Tidal Flats	9,962.35	6.19	6%
	6A	Gravel Beaches	2,359.56	1.47	1%
	6B	Riprap	5,392.92	3.35	3%
	5	Mixed Sand and Gravel Beaches	9,059.54	5.63	5%
	4	Coarse Grained Sand Beaches	1,373.12	0.85	1%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	105.47	0.07	< 1%
	1A	Exposed, Rocky Shores	477.23	0.30	< 1%
	1B	Exposed, Solid Man-Made Structures	992.86	0.62	1%

Total ESI Shoreline:	181,009.12	Total ESI Shoreline:	112.47
Total Shoreline:	113,752.99	Total Shoreline:	70.68

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)

