

**Map 13C**  
**Hudson River**



**SEE BACK OF MAP**  
for details about mapped species and other  
species that occur in the mapped area.  
Data Published: February 2016

0 Not for Navigation 1 Miles  
0 1 Kilometers

**1:50,000**



# Map 13C 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				
66	Raptor	Endangered raptor 2	Nesting	T/E		-													Mar-Jul	-	-	-
129	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-
200	Wading	American bittern	General Distribution	C/E		-													May-Aug	-	-	-
	Wading	Least bittern	General Distribution	T/C		-													Apr-Sep	-	-	-
216	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
217	Raptor	Raptors	Wintering			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					
421	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	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
423	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	American shad	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
426	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
442	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	American shad	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
444	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
447	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	American shad	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
	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	-													-	-	-	May-Oct	May-Oct
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
448	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													May-Jul	May-Jul	May-Jul	Aug-Oct	May-Jul

## FISH (continued)

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					
449	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct
	Diadromous	Alewife	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
450	Freshwater	Largemouth bass	Concentration Area			High													-	-	-	Sep-Apr	Sep-Apr
	Freshwater	Smallmouth bass	Concentration Area			High													May-Jun	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec

## 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		-													-	-	-	-	-
530	Wetland	Rare wetland community	Vulnerable Occurrence			-													-	-	-	-	-

## TERRESTRIAL MAMMALS





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					
695	Bat	Northern myotis	Colony	T/-	T	-													-	-	-	-	-

## ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)

## BIRDS

			Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt		
	Subelement	Species	J	F	M	A	M	J	J	A	S	O	N	D						
	Wading	Green heron														Apr-Sep	-	-	-	-
	Waterfowl	American black duck														Apr-Aug	-	-	-	-
		Wood duck														Mar-Sep	-	-	-	-

## 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	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

## FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Yellow perch													Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
	Atlantic tomcod													Dec-Mar	Dec-Mar	Dec-Jun	Jan-Dec	Oct-Apr






## REPTILES & AMPHIBIANS

Subelement	Species	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Common map turtle													-	-	-	Apr-Oct	Apr-Oct











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

ESI Rank	Habitat Classification	Area (Acres)	Area (Sq. Miles)
 10B	Freshwater Marshes	124.50	0.19
 10C	Swamps	247.32	0.39
 10D	Scrub and Shrub Wetlands	60.42	0.09
 9A	Sheltered Tidal Flats	71.27	0.11
 7	Exposed Tidal Flats	2.91	0.00

### ESI SHORELINE HABITAT TYPES

ESI Rank	Shoreline Habitat Classification	Length (Meters)	Length (Miles)	% of ESI Shoreline
 10B	Freshwater Marshes	2,197.07	1.37	3%
 10C	Swamps	2,852.26	1.77	4%
 10D	Scrub and Shrub Wetlands	638.20	0.40	1%
 9A	Sheltered Tidal Flats	4,569.68	2.84	6%
 9B	Vegetated Low Banks	51,908.96	32.25	70%
 8A	Sheltered, Impermeable, Rocky Shores	3,058.70	1.90	4%
 8B	Sheltered, Solid Man-Made Structures	211.51	0.13	< 1%
 8C	Sheltered Riprap	515.69	0.32	1%
 5	Mixed Sand and Gravel Beaches	4,258.69	2.65	6%
 4	Coarse Grained Sand Beaches	3,448.10	2.14	5%

Total ESI Shoreline:	73,658.86	Total ESI Shoreline:	45.77
Total Shoreline:	57,079.55	Total Shoreline:	35.47

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)

