

**Map 14B**  
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 14B**  
**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	-	-	-
197	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													Mar-Jul	-	-	-
200	Wading	American bittern	General Distribution	C/E		-													May-Aug	-	-	-
	Wading	Least bittern	General Distribution	T/C		-													Apr-Sep	-	-	-
220	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
223	Wading	King rail	Nesting	T/-		-													Mar-Aug	-	-	-
225	Raptor	Osprey	Migration	C/-		-													-	Apr-May	-	-
226	Wading	American bittern	General Distribution	C/E		-													May-Aug	-	-	-
	Wading	Least bittern	General Distribution	T/C		-													Apr-Sep	-	-	-
	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
227	Wading	King rail	General Distribution	T/-		-													Mar-Aug	-	-	-
228	Raptor	Osprey	Migration	C/-		-													-	Apr-May	Sep-Nov	-
229	Raptor	Northern harrier	Migration	T/E		-													-	Mar-Apr	Sep-Nov	-
230	Waterfowl	Mallard	Nesting			1 Pair													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					
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
429	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
455	Freshwater	Largemouth bass	Concentration Area			High													May-Jun	May-Jul	Jun-Aug	Jun-Aug	May-Aug
458	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	Jun-Oct	Jun-Oct
459	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-

**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					
460	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	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
461	Freshwater	Largemouth bass	Concentration Area			High													May-Jun	May-Jul	Jun-Aug	Jun-Aug	May-Aug
	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
462	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
	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
	Freshwater	Walleye	Concentration Area			High													Mar-Apr	Mar-May	Apr-Jul	Jan-Dec	Mar-Apr
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													Apr-May	Apr-May	May-Jul	Jan-Dec	Jan-Dec
463	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
	Freshwater	Largemouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
	Freshwater	Largemouth bass	Spawning Area			-													May-Jun	May-Jul	-	-	May-Aug
	Freshwater	Smallmouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
464	Freshwater	Smallmouth bass	Spawning Area			-													May-Jun	May-Jul	-	-	May-Aug
	Diadromous	Shortnose sturgeon	Nursery Area	E/E	E	-													-	-	-	Jun-Oct	-
	Diadromous	Shortnose sturgeon	Spawning Area	E/E	E	-													Apr-May	Apr-May	-	-	Apr-May

**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		-													-	-	-	-	-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-

**REPTILES & AMPHIBIANS**


Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
587	Amphibian	B. spotted salamander	General Distribution	C/E		-													Mar-Apr	Apr-May	-	Apr-Jul	Mar-Apr
	Turtle	Spotted turtle	General Distribution	C/C		-													-	-	-	Mar-Nov	Mar-Nov
	Turtle	Wood turtle	General Distribution	C/T		-													-	-	-	Mar-Nov	Mar-Nov
588	Turtle	Common snapping turtle	Concentration Area			-													-	-	-	Apr-Nov	Apr-Nov

**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					
659	Bivalve	Alewife floater	Vulnerable Occurrence			-													Aug-Sep	Aug-May	May-Jun	Jan-Dec	Jan-Dec
	Bivalve	Tidewater mucket	Vulnerable Occurrence			-													Aug-Sep	Aug-May	May-Jun	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	Atlantic sturgeon	General Distribution	-/E	E	-												-	-	-	May-Oct	May-Jul
		Shortnose sturgeon	General Distribution	E/E	E	-												-	-	-	May-Oct	May-Oct

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)


BIRDS

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Passerine	Marsh wren												Apr-Aug	-	-	-
	Wading	Sora												Apr-Sep	-	-	-
		Virginia rail												Apr-Sep	-	-	-
	Waterfowl	Common moorhen												May-Sep	-	-	-

FISH

Subelement	Species	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
	Marine Benthic	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					
	Turtle	Common map turtle												-	-	-	Apr-Oct	Apr-Oct
		Painted turtle												-	-	-	Mar-Nov	Mar-Nov











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	421.87	0.66
	10C	Swamps	407.79	0.64
	10D	Scrub and Shrub Wetlands	160.80	0.25
	9A	Sheltered Tidal Flats	139.40	0.22
	7	Exposed Tidal Flats	52.79	0.08

### 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>
	10B	Freshwater Marshes	26,445.40	16.43	16%
	10C	Swamps	7,917.51	4.92	5%
	10D	Scrub and Shrub Wetlands	1,115.95	0.69	1%
	9A	Sheltered Tidal Flats	33,535.51	20.84	20%
	9B	Vegetated Low Banks	60,829.66	37.80	37%
	8A	Sheltered, Impermeable, Rocky Shores	3,140.04	1.95	2%
	8B	Sheltered, Solid Man-Made Structures	2,266.91	1.41	1%
	8C	Sheltered Riprap	19,047.23	11.84	12%
	6A	Gravel Beaches	9,241.65	5.74	6%
	5	Mixed Sand and Gravel Beaches	1,157.34	0.72	1%

Total ESI Shoreline:	164,697.21	Total ESI Shoreline:	102.34
Total Shoreline:	81,327.17	Total Shoreline:	50.53

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)

