

Map 17A
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 17A
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				
86	Diving	Pied-billed grebe	Nesting	T/E		-													Apr-Sep	-	-	-
129	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-
197	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													Mar-Jul	-	-	-
228	Raptor	Osprey	Migration	C/-		-													-	Apr-May	Sep-Nov	-
232	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
236	Raptor	Endangered raptor 2	Wintering	T/E		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
478	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	Aug-Oct	May-Jul
480	Freshwater	Chain pickerel	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
	Freshwater	Smallmouth bass	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Yellow perch	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
481	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Alewife	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
482	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
	Freshwater	Largemouth bass	Concentration Area			High													-	-	-	Sep-Apr	Sep-Apr

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					
	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
483	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
	Freshwater	Largemouth bass	Concentration Area			High													May-Jun	May-Jul	Jun-Aug	Jun-Aug	May-Aug
484	Diadromous	Atlantic sturgeon	Nursery Area	-/E	E	-													-	-	-	Aug-Oct	-
485	Diadromous	Atlantic sturgeon	Spawning Area	-/E	E	-													May-Jul	May-Jul	-	-	May-Jul

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					
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			-													-	-	-	-	-

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

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					
694	Bat	Indiana myotis	Colony	E/-	E	-													-	-	-	-	-






WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)

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					
	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													May-Jul	May-Jul	May-Jul	Aug-Oct	May-Jul
		Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct

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													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
	Alewife													-	-	-	Jan-Dec	Sep-Nov
	American eel													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
	American shad													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
	Blueback herring													-	-	-	Jul-Oct	Mar-Oct
	Estuarine Nursery													Apr-Jun	Apr-Jun	May-Jul	Jul-Oct	Mar-Oct
	Striped bass													-	-	Apr-Jul	Apr-Nov	May-Nov
	Atlantic menhaden													May-Aug	May-Aug	May-Aug	Jul-Dec	Apr-Nov
	Bay anchovy													-	-	-	May-Oct	May-Oct
	Bluefish													-	-	-	May-Oct	May-Oct
	Summer flounder													Jun-Aug	Jun-Aug	Jun-Aug	Jun-Nov	May-Dec
	Weakfish													May-Jul	May-Jul	May-Jul	Jan-Dec	Jan-Dec
	White perch													Apr-Nov	Apr-Nov	Apr-Nov	Jan-Dec	Jan-Dec
	Windowpane													Nov-Mar	Nov-Mar	Nov-Mar	Jan-Dec	Oct-Jun
	Winter flounder													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Estuarine Resident													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Killifish													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Freshwater													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	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													-	-	Apr-May	Jan-Dec	Jan-Dec
	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Jul	Jan-Dec	Jan-Dec







INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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

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	0.14	0.00
	10B	Freshwater Marshes	68.89	0.11
	10C	Swamps	599.34	0.94
	10D	Scrub and Shrub Wetlands	54.09	0.08
	9A	Sheltered Tidal Flats	97.23	0.15
	7	Exposed Tidal Flats	1.34	0.00

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	44.42	0.03	< 1%
	10B	Freshwater Marshes	1,607.12	1.00	2%
	10C	Swamps	2,096.54	1.30	3%
	10D	Scrub and Shrub Wetlands	90.36	0.06	< 1%
	9A	Sheltered Tidal Flats	12,402.45	7.71	19%
	9B	Vegetated Low Banks	20,901.60	12.99	31%
	8A	Sheltered, Impermeable, Rocky Shores	639.43	0.40	1%
	8B	Sheltered, Solid Man-Made Structures	6,310.41	3.92	9%
	8C	Sheltered Riprap	19,030.18	11.82	29%
	7	Exposed Tidal Flats	134.43	0.08	< 1%
	6A	Gravel Beaches	354.19	0.22	1%
	5	Mixed Sand and Gravel Beaches	2,914.28	1.81	4%
	4	Coarse Grained Sand Beaches	218.36	0.14	< 1%

Total ESI Shoreline:	66,743.77	Total ESI Shoreline:	41.47
Total Shoreline:	46,616.60	Total Shoreline:	28.97

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

