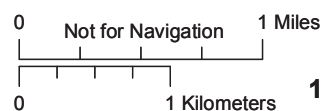


Map 16B
Hudson River



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 16B
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	-	-	-
232	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
235	Passerine	Kentucky warbler	Nesting	-/C		-													Jun	-	-	-

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
436	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct
474	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	Jan-Dec	Jan-Dec
476	Diadromous	American eel	Concentration Area			High													-	-	-	Jan-Dec	-
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

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					
522	Upland	Rare upland community	Vulnerable Occurrence			-													-	-	-	-	-
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-													-	-	-	-	-
536	Wetland	Vernal pool	Vulnerable Occurrence			-													-	-	-	-	-

TERRESTRIAL MAMMALS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence											
							J	F	M	A	M	J	J	A	S	O	N	D
694	Bat	Indiana myotis	Colony	E/-	E	-												-

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													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	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
		White perch													Apr-Jul	Apr-Jul	Apr-Jul	Jan-Dec	Jan-Dec
		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
	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
		Yellow perch													-	-	Apr-May	Jan-Dec	Jan-Dec
	Marine Benthic	Atlantic tomcod													Dec-Mar	Dec-Mar	Dec-Jun	Jan-Dec	Oct-Apr
		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	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

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	10.73	0.02
	10B	Freshwater Marshes	50.61	0.08
	10C	Swamps	419.28	0.66
	10D	Scrub and Shrub Wetlands	179.02	0.28
	9A	Sheltered Tidal Flats	19.72	0.03
	7	Exposed Tidal Flats	11.47	0.02

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	435.87	0.27	1%
	10C	Swamps	171.51	0.11	< 1%
	9A	Sheltered Tidal Flats	2,121.80	1.32	5%
	9B	Vegetated Low Banks	17,875.19	11.11	41%
	8A	Sheltered, Impermeable, Rocky Shores	1,282.57	0.80	3%
	8B	Sheltered, Solid Man-Made Structures	2,606.48	1.62	6%
	8C	Sheltered Riprap	16,768.07	10.42	39%
	7	Exposed Tidal Flats	1,211.89	0.75	3%
	5	Mixed Sand and Gravel Beaches	833.02	0.52	2%
	4	Coarse Grained Sand Beaches	23.95	0.01	< 1%

Total ESI Shoreline:	43,330.35	Total ESI Shoreline:	26.92
Total Shoreline:	37,794.65	Total Shoreline:	23.48

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

