


Map 17B
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	-	-	-
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	-	-	-
220	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
236	Raptor	Endangered raptor 2	Wintering	T/E		High													-	-	-	-
237	Raptor	Northern harrier	Migration	T/E		-													-	Mar-Apr	Sep-Nov	-
	Raptor	Osprey	Migration	C/-		-													-	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	-
238	Passerine	Marsh wren	Nesting			18 Pairs													Apr-Aug	-	-	-
	Passerine	Swamp sparrow	Nesting			4 Pairs													Apr-Sep	-	-	-
	Passerine	Willow flycatcher	Nesting			5 Pairs													May-Aug	-	-	-
	Shorebird	Spotted sandpiper	General Distribution	-/C		-													May-Sep	-	-	-
	Wading	Least bittern	General Distribution	T/C		-													Apr-Sep	-	-	-
	Wading	Least bittern	Nesting	T/C		5 Pairs													Apr-Sep	-	-	-
	Wading	Virginia rail	Nesting			3 Pairs													Apr-Sep	-	-	-
239	Shorebird	Spotted sandpiper	General Distribution	-/C		-													May-Sep	-	-	-
	Wading	American bittern	General Distribution	C/E		-													May-Aug	-	-	-
	Wading	Least bittern	General Distribution	T/C		-													Apr-Sep	-	-	-
240	Raptor	Bald eagle	Vulnerable Occurrence	T/-		Foraging													-	-	-	-
	Raptor	Osprey	Migration	C/-		-													-	Apr-May	-	-
241	Raptor	Bald eagle	Vulnerable Occurrence	T/-		-													-	-	-	-
	Raptor	Osprey	Migration	C/-		-													-	Apr-May	Sep-Nov	-
242	Shorebird	Shorebirds	Migration			-													-	Mar-May	-	-
	Wading	Herons	Migration			-													-	Mar-Apr	Sep-Nov	-
243	Raptor	Peregrine falcon	Migration	E/-		-													-	Mar-Apr	Sep-Nov	-

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
426	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
430	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Alewife	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	American eel	Concentration Area			High													-	-	-	Jan-Dec	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun
438	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Alewife	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun
443	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
444	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
445	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													May-Jul	May-Jul	May-Jul	Aug-Oct	May-Jul
449	Diadromous	Alewife	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
454	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
459	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	-
485	Diadromous	Atlantic sturgeon	Spawning Area	-/E	E	-													May-Jul	May-Jul	-	-	May-Jul
486	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Freshwater	Largemouth bass	Concentration Area			High													May-Jun	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
	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		-													-	-	-	-	-

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					
593	Turtle	Common snapping turtle	Concentration Area			High													-	-	-	Apr-Nov	Apr-Nov
594	Reptile	Threatened reptile 3	Vulnerable Occurrence	T/-		-													Apr-Aug	Jun-Sep	-	Jan-Dec	Jan-Dec
595	Snake	Common wormsake	Vulnerable Occurrence			-													-	-	-	-	Mar-Oct
596	Reptile	Threatened reptile 2	Vulnerable Occurrence	T/-		-													May-Aug	Aug-Sep	-	Jan-Dec	Jan-Dec
597	Reptile	Threatened reptile 2	Nesting	T/-		-													May-Aug	Aug-Sep	-	Jan-Dec	Jan-Dec
598	Reptile	Threatened reptile 2	Vulnerable Occurrence	T/-		-													-	-	-	May-Sep	May-Sep

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												Nest	Hatch	Internest	Juveniles	Adults
							J	F	M	A	M	J	J	A	S	O	N	D					
696	Small Mammal	New England cottontail	Vulnerable Occurrence	C/-		-													-	-	-	-	-
697	Bat	E. small-footed myotis	Colony	C/-		-													-	-	-	-	-

WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)

BIRDS

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				
 Raptor	Bald eagle	Wintering	T/-		High													-	-	-	-

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-Oct
	Atlantic sturgeon	Nursery Area	-/E	E	-													-	-	-	Aug-Oct	-
	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)






BIRDS

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				
 Passerine	Belted kingfisher																	Apr-Aug	-	-	-
	Marsh wren																	Apr-Aug	-	-	-
	Swamp sparrow																	Apr-Sep	-	-	-
 Wading	Green heron																	Apr-Sep	-	-	-
	Virginia rail																	Apr-Sep	-	-	-
 Waterfowl	American black duck																	Apr-Aug	-	-	-
	Canada goose																	Mar-Jun	-	-	-

BIRDS (continued)

Subelement	Species	Monthly Presence												Nest	Mig.(S)	Mig.(F)	Molt
		J	F	M	A	M	J	J	A	S	O	N	D				
	Mallard													Mar-Sep	-	-	-
	Wood duck													Mar-Sep	-	-	-

FISH

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Alewife													-	-	May-Jun	Jun-Oct	Apr-Jun
	Alewife													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
	American eel													-	-	-	Jan-Dec	Sep-Nov
	American shad													-	-	May-Jun	Jun-Oct	Apr-Jun
	American shad													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
	Blueback herring													-	-	May-Jun	Jun-Oct	Apr-Jun
	Blueback herring													Apr-Jun	Apr-Jun	May-Jun	Jun-Oct	Apr-Jun
	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
	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
	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-May	Jan-Dec	Jan-Dec
	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Jul	Jan-Dec	Jan-Dec

REPTILES & AMPHIBIANS

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






INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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	145.66	0.23
	10B	Freshwater Marshes	53.78	0.08
	10C	Swamps	143.39	0.22
	10D	Scrub and Shrub Wetlands	20.34	0.03
	9A	Sheltered Tidal Flats	119.14	0.19
	7	Exposed Tidal Flats	39.97	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	16,876.85	10.49	12%
	10B	Freshwater Marshes	3,673.54	2.28	3%
	10C	Swamps	3,002.67	1.87	2%
	9A	Sheltered Tidal Flats	27,888.18	17.33	19%
	9B	Vegetated Low Banks	63,241.14	39.30	43%
	8A	Sheltered, Impermeable, Rocky Shores	1,649.19	1.02	1%
	8B	Sheltered, Solid Man-Made Structures	4,779.37	2.97	3%
	8C	Sheltered Riprap	17,262.27	10.73	12%
	7	Exposed Tidal Flats	139.69	0.09	< 1%
	6A	Gravel Beaches	2,296.71	1.43	2%
	5	Mixed Sand and Gravel Beaches	5,881.49	3.65	4%

Total ESI Shoreline:	146,691.10	Total ESI Shoreline:	91.15
Total Shoreline:	87,011.87	Total Shoreline:	54.07

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

