


Map 13B
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	-	-	-
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	-	-	-
208	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			High													-	-	-	-
209	Diving	Pied-billed grebe	General Distribution	T/E		-													Apr-Sep	-	-	-
	Wading	American bittern	General Distribution	C/E		-													May-Aug	-	-	-
	Wading	King rail	General Distribution	T/-		-													Mar-Aug	-	-	-
210	Diving	Pied-billed grebe	General Distribution	T/E		-													Apr-Sep	-	-	-
	Raptor	Northern harrier	General Distribution	T/E		-													Apr-Aug	-	-	-
	Wading	American bittern	General Distribution	C/E		-													May-Aug	-	-	-
211	Diving	Pied-billed grebe	General Distribution	T/E		-													Apr-Sep	-	-	-
	Passerine	Marsh wren	Nesting			3 Pairs													Apr-Aug	-	-	-
	Wading	American bittern	General Distribution	C/E		-													May-Aug	-	-	-
	Wading	King rail	General Distribution	T/-		-													Mar-Aug	-	-	-
212	Passerine	Marsh wren	Nesting			18 Pairs													Apr-Aug	-	-	-
	Passerine	Swamp sparrow	Nesting			4 Pairs													Apr-Sep	-	-	-
	Passerine	Willow flycatcher	Nesting			2 Pairs													May-Aug	-	-	-
	Wading	Least bittern	Nesting	T/C		3 Pairs													Apr-Sep	-	-	-
213	Gull/Tern	Common tern	Nesting	T/C		100-500 Pairs													May-Sep	-	-	-
214	Passerine	Marsh wren	Nesting			28 Pairs													Apr-Aug	-	-	-
	Passerine	Swamp sparrow	Nesting			10 Pairs													Apr-Sep	-	-	-
	Passerine	Willow flycatcher	Nesting			1 Pair													May-Aug	-	-	-
	Wading	Sora	Nesting			2 Pairs													Apr-Sep	-	-	-
	Wading	Virginia rail	Nesting			1 Pair													Apr-Sep	-	-	-
215	Wading	Least bittern	General Distribution	T/C		-													Apr-Sep	-	-	-
	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
216	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			-													-	-	-	-

BIRDS (continued)

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				
217	Raptor	Raptors	Wintering			High													-	-	-	-
218	Wading	Least bittern	Nesting	T/C		7 Pairs													Apr-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
432	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
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
433	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	May-Oct	May-Jul
435	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
436	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct
437	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
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
	Freshwater	Smallmouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
	Freshwater	Smallmouth bass	Spawning Area			-													May-Jun	May-Jul	-	-	May-Aug
439	Diadromous	American shad	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
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
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
446	Diadromous	American shad	Spawning Area			High													Apr-Jun	Apr-Jun	-	-	Apr-Jun

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
523	Plant	Threatened plant	Vulnerable Occurrence	T/-		-												-
525	Plant	Rare plant	Vulnerable Occurrence	C/C		-												-
527	Plant	Endangered plant	Vulnerable Occurrence	E/E		-												-
	Plant	Threatened plant	Vulnerable Occurrence	T/-		-												-

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

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					
658	Bivalve	Alewite floater	Vulnerable Occurrence			-													Aug-Sep	Aug-May	May-Jun	Jan-Dec	Jan-Dec

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	Belted kingfisher													Apr-Aug	-	-	-
 Wading	Green heron													Apr-Sep	-	-	-
	Sora													Apr-Sep	-	-	-
	Virginia rail													Apr-Sep	-	-	-
 Waterfowl	American black duck													Apr-Aug	-	-	-
	Common merganser													May-Aug	-	-	-
	Common moorhen													May-Sep	-	-	-
	Mallard													Mar-Sep	-	-	-
	Wood duck													Mar-Sep	-	-	-

FISH

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

REPTILES & AMPHIBIANS

	<i>Subelement</i>	<i>Species</i>	<i>Monthly Presence</i>												<i>Nest</i>	<i>Hatch</i>	<i>Internest</i>	<i>Juveniles</i>	<i>Adults</i>
			<i>J</i>	<i>F</i>	<i>M</i>	<i>A</i>	<i>M</i>	<i>J</i>	<i>J</i>	<i>A</i>	<i>S</i>	<i>O</i>	<i>N</i>	<i>D</i>					
	Turtle	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

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	630.59	0.99
10C	Swamps	332.56	0.52
10D	Scrub and Shrub Wetlands	52.31	0.08
9A	Sheltered Tidal Flats	648.89	1.01

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	31,419.52	19.52	16%
10C	Swamps	5,604.12	3.48	3%
10D	Scrub and Shrub Wetlands	1,401.75	0.87	1%
9A	Sheltered Tidal Flats	39,883.37	24.78	21%
9B	Vegetated Low Banks	97,306.34	60.46	51%
8A	Sheltered, Impermeable, Rocky Shores	268.94	0.17	< 1%
8B	Sheltered, Solid Man-Made Structures	1,963.01	1.22	1%
8C	Sheltered Riprap	8,635.50	5.37	5%
5	Mixed Sand and Gravel Beaches	3,150.96	1.96	2%
4	Coarse Grained Sand Beaches	1,917.23	1.19	1%
3B	Scarps and Steep Slopes (Sand)	174.21	0.11	< 1%

Total ESI Shoreline:	191,724.95	Total ESI Shoreline:	119.13
Total Shoreline:	109,768.44	Total Shoreline:	68.21

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

