

Map 18A
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	-	-	-
129	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-
197	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													Mar-Jul	-	-	-
235	Passerine	Kentucky warbler	Nesting	-/C		-													Jun	-	-	-
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	Hérons	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	-	-	-
243	Raptor	Peregrine falcon	Migration	E/-		-													-	Mar-Apr	Sep-Nov	-
244	Diving	Pied-billed grebe	Migration	T/E		High													-	Mar-Apr	Sep-Nov	Sep-Apr*
	Raptor	Northern harrier	General Distribution	T/E		-													Apr-Aug	-	-	-
	Raptor	Osprey	Migration	C/-		High													-	Apr-May	Sep-Nov	-
	Shorebird	Shorebirds	Migration			High													-	Mar-May	-	-
	Wading	Hérons	Migration			High													-	Mar-Apr	Sep-Nov	-
	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
245	Shorebird	Spotted sandpiper	General Distribution	-/C		-													May-Sep	-	-	-
	Wading	Least bittern	General Distribution	T/C		-													Apr-Sep	-	-	-
246	Passerine	Marsh wren	Nesting			3 Pairs													Apr-Aug	-	-	-
	Passerine	Swamp sparrow	Nesting			1 Pair													Apr-Sep	-	-	-
	Wading	Least bittern	Nesting	T/C		2 Pairs													Apr-Sep	-	-	-
	Wading	Virginia rail	Nesting			2 Pairs													Apr-Sep	-	-	-
247	Raptor	Bald eagle	Roosting	T/-		High													-	-	-	-

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				
248	Wading	Great blue heron	General Distribution	-/C		-													-	-	-	-
249	Raptor	Bald eagle	Wintering	T/-		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
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	-
449	Diadromous	Alewife	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	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	-
487	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	May-Oct	May-Oct
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	May-Oct	May-Oct
488	Freshwater	Largemouth bass	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
489	Marine Benthic	Atlantic tomcod	Nursery Area			-													-	-	Apr-Jul	Apr-Jul	-

HABITATS & RARE PLANTS

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					
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		-													-	-	-	-	-
536	Wetland	Vernal pool	Vulnerable Occurrence			-													-	-	-	-	-

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
598	Reptile	Threatened reptile 2	Vulnerable Occurrence	T/-		-													-	-	-	May-Sep	May-Sep
599	Turtle	Spotted turtle	General Distribution	C/C		-													-	-	-	Mar-Nov	Mar-Nov
	Turtle	Wood turtle	General Distribution	C/T		-													-	-	-	Mar-Nov	Mar-Nov

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
695	Bat	Northern myotis	Colony	T/-	T	-												
697	Bat	E. small-footed myotis	Colony	C/-		-												

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	-	-	-
	Marsh wren													Apr-Aug	-	-	-
 Wading	Green heron													Apr-Sep	-	-	-
	Virginia rail													Apr-Sep	-	-	-
 Waterfowl	American black duck													Apr-Aug	-	-	-
	Canada goose													Mar-Jun	-	-	-
	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					
 Diadromous	Alewife													-	-	May-Jun	Jun-Oct	Apr-Jun
	American eel													-	-	-	Jan-Dec	Sep-Nov
	American shad													-	-	May-Jun	Jun-Oct	Apr-Jun
	Blueback herring													-	-	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													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-May	Jan-Dec	Jan-Dec
 Marine Benthic	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Jul	Jan-Dec	Jan-Dec

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
		Common snapping turtle													-	-	-	Apr-Nov	Apr-Nov
		Painted turtle													-	-	-	Mar-Nov	Mar-Nov







INVERTEBRATES

	<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>					
	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	112.33	0.18
	10B	Freshwater Marshes	80.50	0.13
	10C	Swamps	187.58	0.29
	10D	Scrub and Shrub Wetlands	22.82	0.04
	9A	Sheltered Tidal Flats	140.67	0.22
	7	Exposed Tidal Flats	8.77	0.01

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>
	10A	Salt and Brackish Water Marshes	13,139.69	8.16	12%
	10B	Freshwater Marshes	559.45	0.35	1%
	10C	Swamps	1,239.30	0.77	1%
	9A	Sheltered Tidal Flats	19,183.87	11.92	18%
	9B	Vegetated Low Banks	43,732.07	27.17	40%
	8A	Sheltered, Impermeable, Rocky Shores	8,678.58	5.39	8%
	8B	Sheltered, Solid Man-Made Structures	1,715.87	1.07	2%
	8C	Sheltered Riprap	17,178.38	10.67	16%
	7	Exposed Tidal Flats	955.56	0.59	1%
	6A	Gravel Beaches	206.25	0.13	< 1%
	5	Mixed Sand and Gravel Beaches	1,789.54	1.11	2%
	4	Coarse Grained Sand Beaches	42.45	0.03	< 1%

Total ESI Shoreline:	108,421.00	Total ESI Shoreline:	67.37
Total Shoreline:	67,472.25	Total Shoreline:	41.93

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

