


Map 16A
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				
232	Waterfowl	Waterfowl	Wintering			-													-	-	-	-

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	-
445	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													May-Jul	May-Jul	May-Jul	Aug-Oct	May-Jul
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	-
473	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	American eel	Concentration Area			High													-	-	-	Jan-Dec	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
474	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	Jan-Dec	Jan-Dec
475	Diadromous	Alewife	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun
476	Diadromous	American eel	Concentration Area			High													-	-	-	Jan-Dec	-
477	Freshwater	Bluegill	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
	Freshwater	Brown bullhead	Harvest Area			-													May-Jun	May-Jun	May-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	Yellow perch	Harvest Area			-													Apr-Jun	Apr-Jun	Apr-Aug	Jan-Dec	Jan-Dec
478	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	Aug-Oct	May-Jul
479	Diadromous	Atlantic sturgeon	Spawning Area	-/E	E	-													Apr-Jul	Apr-Jul	-	-	Apr-Jul

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
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					
590	Reptile	Threatened reptile 1	Vulnerable Occurrence	T/-		-													-	-	-	-	Apr-Nov
591	Reptile	Threatened reptile 1	Nesting	T/-		-													Jun-Jul	Aug-Sep	-	Apr-Nov	Apr-Nov
592	Amphibian	Endangered amphibian	Vulnerable Occurrence	E/-		-													-	-	-	-	Mar-Nov

TERRESTRIAL MAMMALS

Map ID	Subelement	Species	Mapping Qualifier	S	F	Concentration	Monthly Presence																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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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													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
	White perch													Apr-Jul	Apr-Jul	Apr-Jul	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
	Silversides													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Largemouth bass													May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
	Smallmouth bass													May-Aug	May-Aug	May-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
	Atlantic tomcod													Dec-Mar	Dec-Mar	Dec-Jun	Jan-Dec	Oct-Apr


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	217.33	0.34
	10C	Swamps	1,166.24	1.82
	10D	Scrub and Shrub Wetlands	377.33	0.59
	9A	Sheltered Tidal Flats	26.46	0.04

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	73.92	0.05	< 1%
	10C	Swamps	625.53	0.39	1%
	9A	Sheltered Tidal Flats	3,830.55	2.38	8%
	9B	Vegetated Low Banks	19,345.09	12.02	38%
	8A	Sheltered, Impermeable, Rocky Shores	4,224.26	2.62	8%
	8B	Sheltered, Solid Man-Made Structures	2,753.87	1.71	5%
	8C	Sheltered Riprap	15,348.33	9.54	30%
	6A	Gravel Beaches	2,394.16	1.49	5%
	5	Mixed Sand and Gravel Beaches	2,067.62	1.28	4%
	4	Coarse Grained Sand Beaches	25.41	0.02	< 1%

Total ESI Shoreline:	50,688.73	Total ESI Shoreline:	31.50
Total Shoreline:	37,739.21	Total Shoreline:	23.45

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

