

Map 15A
Hudson River



SEE BACK OF MAP
for details about mapped species and other
species that occur in the mapped area.
Data Published: February 2016

0 Not for Navigation 1 Miles
0 1 Kilometers

1:50,000




Map 15A
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	-	-	-
197	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													Mar-Jul	-	-	-
220	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
231	Raptor	Northern harrier	Migration	T/E		-													-	Mar-Apr	Sep-Nov	-
	Raptor	Osprey	Migration	C/-		-													-	Apr-May	Sep-Nov	-
	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
232	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
233	Raptor	Endangered raptor 1	Nesting	E/E		-													Mar-Jul	-	-	-

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
421	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Alewife	Spawning Area			High													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			High													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
458	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	-
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	Jun-Oct	Jun-Oct
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	-

FISH (continued)

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					
463	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
	Freshwater	Largemouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
	Freshwater	Largemouth bass	Spawning Area			-													May-Jun	May-Jul	-	-	May-Aug
	Freshwater	Smallmouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
	Freshwater	Smallmouth bass	Spawning Area			-													May-Jun	May-Jul	-	-	May-Aug
465	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													May-Jul	May-Jul	May-Jul	Aug-Oct	May-Jul
	Diadromous	Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	Jan-Dec	Jan-Dec
466	Diadromous	American shad	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
467	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
	Freshwater	Largemouth bass	Concentration Area			High													-	-	-	Sep-Apr	Sep-Apr
	Freshwater	Smallmouth bass	Concentration Area			High													May-Jun	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
	Freshwater	Walleye	Concentration Area			High													Mar-Apr	Mar-May	Apr-Jul	Jan-Dec	Mar-Apr
468	Diadromous	Atlantic sturgeon	Spawning Area	-/E	E	-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
	Diadromous	Shortnose sturgeon	Concentration Area	E/E	E	High													-	-	-	Nov-Mar	Nov-Mar

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		-													-	-	-	-	-
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					
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

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					
695	Bat	Northern myotis	Colony	T/-	T	-													-	-	-	-	-


WIDESPREAD IN MAPPED AREA (> 10 SQUARE KILOMETERS)

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-Jul
		Shortnose sturgeon	General Distribution	E/E	E	-												Apr-May	Apr-May	May-Jul	Jan-Dec	Jan-Dec
		Shortnose sturgeon	Nursery Area	E/E	E	-												-	-	-	Jun-Oct	-
		Shortnose sturgeon	Spawning Area	E/E	E	-												Apr-May	Apr-May	-	-	Apr-May

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				
	Wading	Virginia rail												Apr-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												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												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
	Freshwater	Silversides												May-Aug	May-Aug	May-Aug	Jan-Dec	Jan-Dec
		Largemouth bass												May-Jun	May-Jul	Jun-Aug	Jan-Dec	Jan-Dec
	Marine Benthic	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

Subelement	Species	Monthly Presence												Nest	Hatch	Internest	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	Turtle	Common map turtle												-	-	-	Apr-Oct	Apr-Oct
		Painted turtle												-	-	-	Mar-Nov	Mar-Nov










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	172.17	0.27
	10C	Swamps	519.80	0.81
	10D	Scrub and Shrub Wetlands	86.07	0.13
	9A	Sheltered Tidal Flats	88.66	0.14
	7	Exposed Tidal Flats	9.61	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>
	10B	Freshwater Marshes	3,037.78	1.89	4%
	10C	Swamps	2,651.68	1.65	3%
	9A	Sheltered Tidal Flats	11,694.06	7.27	15%
	9B	Vegetated Low Banks	34,189.90	21.24	44%
	8A	Sheltered, Impermeable, Rocky Shores	498.04	0.31	1%
	8B	Sheltered, Solid Man-Made Structures	3,954.34	2.46	5%
	8C	Sheltered Riprap	13,746.01	8.54	18%
	7	Exposed Tidal Flats	955.21	0.59	1%
	6A	Gravel Beaches	1,635.92	1.02	2%
	5	Mixed Sand and Gravel Beaches	4,755.68	2.96	6%
	4	Coarse Grained Sand Beaches	539.78	0.34	1%

Total ESI Shoreline:	77,658.40	Total ESI Shoreline:	48.25
Total Shoreline:	51,989.25	Total Shoreline:	32.30

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

