

Map 19A 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 19A 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				
129	Raptor	Endangered raptor 1	Nesting	E/E		1 Pair													Mar-Jul	-	-	-
197	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													Mar-Jul	-	-	-
217	Raptor	Raptors	Wintering			High													-	-	-	-
235	Passerine	Kentucky warbler	Nesting	-/C		-													Jun	-	-	-
236	Raptor	Endangered raptor 2	Wintering	T/E		High													-	-	-	-
250	Passerine	Marsh wren	Nesting			2 Pairs													Apr-Aug	-	-	-
	Passerine	Willow flycatcher	Nesting			3 Pairs													May-Aug	-	-	-
	Raptor	Raptors	Wintering			High													-	-	-	-
	Wading	Sora	Nesting			1 Pair													Apr-Sep	-	-	-
251	Raptor	Northern harrier	General Distribution	T/E		-													Apr-Aug	-	-	-
	Raptor	Short-eared owl	Wintering	E/E		-													-	-	-	-
	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
252	Passerine	Marsh wren	Nesting			2 Pairs													Apr-Aug	-	-	-
	Passerine	Willow flycatcher	Nesting			4 Pairs													May-Aug	-	-	-
	Wading	King rail	Nesting	T/-		1 Pair													Mar-Aug	-	-	-
	Wading	Least bittern	Nesting	T/C		1 Pair													Apr-Sep	-	-	-
	Wading	Sora	Nesting			4 Pairs													Apr-Sep	-	-	-
	Wading	Virginia rail	Nesting			3 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
454	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
491	Diadromous	Atlantic sturgeon	Concentration Area	-/E	E	High													-	-	-	Nov-Apr	Nov-Apr
	Diadromous	Atlantic sturgeon	Nursery Area	-/E	E	High													-	-	-	May-Oct	-
492	Diadromous	Alewife	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Alewife	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun

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					
493	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	Blueback herring	Spawning Area			Known Run													Apr-Jun	Apr-Jun	-	-	Apr-Jun
	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Estuarine Nursery	Nursery fish	Nursery Area			High													-	-	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		-													-	-	-	-	-

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	Anadromous fish	Migration			High													-	-	-	-	Mar-Oct*
		Atlantic sturgeon	General Distribution	-/E	E	-													-	-	-	Jan-Dec	Nov-Apr
		Shortnose sturgeon	General Distribution	E/E	E	-													-	-	-	Jan-Dec	Jan-Dec
	Marine Benthic	Striped bass	Nursery Area			High													-	-	-	Jul-Oct	-
		Atlantic tomcod	Nursery Area			-													-	-	-	Apr-Jul	Apr-Jul

INVERTEBRATES




	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					
	Crab	Blue crab	Concentration Area			High													Aug-Nov	-	-	Jan-Dec	Jan-Dec

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	Alewife													-	-	May-Jun	Jun-Oct	Apr-Jun
		American eel													-	-	-	Jan-Dec	Sep-Nov
		American shad													-	-	May-Jun	Jun-Oct	Apr-Jun
		American shad													-	-	-	May-Nov	Mar-Jul
		Blueback herring													-	-	May-Jun	Jun-Oct	Apr-Jun
		Striped bass													-	-	-	Jul-Oct	Mar-Oct
		Atlantic menhaden													-	-	Apr-Jul	Apr-Nov	May-Nov
	Estuarine Nursery	Bay anchovy													May-Aug	May-Aug	May-Aug	Jul-Dec	Apr-Nov
		Bluefish													-	-	-	May-Oct	May-Oct

FISH (continued)

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
	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	Yellow perch													-	-	Apr-May	Jan-Dec	Jan-Dec
 Marine Benthic	Atlantic tomcod													Dec-Feb	Dec-Mar	Jan-Jul	Jan-Dec	Jan-Dec







INVERTEBRATES

Subelement	Species	Monthly Presence												Spawn	Eggs	Larvae	Juveniles	Adults
		J	F	M	A	M	J	J	A	S	O	N	D					
 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	67.38	0.11
	10B	Freshwater Marshes	53.76	0.08
	10C	Swamps	144.59	0.23
	10D	Scrub and Shrub Wetlands	26.50	0.04
	9A	Sheltered Tidal Flats	53.88	0.08
	7	Exposed Tidal Flats	45.14	0.07

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	6,583.91	4.09	10%
	10B	Freshwater Marshes	34.33	0.02	< 1%
	10C	Swamps	622.78	0.39	1%
	10D	Scrub and Shrub Wetlands	390.79	0.24	1%
	9A	Sheltered Tidal Flats	6,207.35	3.86	9%
	9B	Vegetated Low Banks	23,311.52	14.49	35%
	8B	Sheltered, Solid Man-Made Structures	124.31	0.08	< 1%
	8C	Sheltered Riprap	908.24	0.56	1%
	7	Exposed Tidal Flats	1,838.17	1.14	3%
	6A	Gravel Beaches	2,717.76	1.69	4%
	6B	Riprap	13,094.79	8.14	20%
	5	Mixed Sand and Gravel Beaches	3,316.60	2.06	5%
	4	Coarse Grained Sand Beaches	976.65	0.61	1%
	2A	Exposed, Wave-Cut Platforms (Bedrock/Mud/Clay)	59.21	0.04	< 1%
	1B	Exposed, Solid Man-Made Structures	5,942.23	3.69	9%

Total ESI Shoreline:	66,128.65	Total ESI Shoreline:	41.09
Total Shoreline:	48,584.68	Total Shoreline:	30.19

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

