

Map 14A  
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				
197	Raptor	Endangered raptor 2	Nesting	T/E		1 Pair													Mar-Jul	-	-	-
216	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
219	Waterfowl	Waterfowl	Migration			High													-	Mar-Apr	Oct-Nov	-
	Waterfowl	Waterfowl	Wintering			-													-	-	-	-
220	Waterfowl	Waterfowl	Migration			-													-	Mar-Apr	Oct-Nov	-
221	Waterfowl	Waterfowl	Concentration Area			High													-	-	-	-
222	Waterfowl	American black duck	Nesting			1 Pair													Apr-Aug	-	-	-
	Waterfowl	Canada goose	Nesting			5 Pairs													Mar-Jun	-	-	-
	Waterfowl	Mallard	Nesting			3 Pairs													Mar-Sep	-	-	-
	Waterfowl	Ring-necked duck	Nesting			1 Pair													Mar-Sep	-	-	-
	Waterfowl	Wood duck	Nesting			4 Pairs													Mar-Sep	-	-	-
223	Wading	King rail	Nesting	T/-		-													Mar-Aug	-	-	-
224	Passerine	Marsh wren	Nesting			30 Pairs													Apr-Aug	-	-	-
	Passerine	Swamp sparrow	Nesting			11 Pairs													Apr-Sep	-	-	-
	Passerine	Willow flycatcher	Nesting			3 Pairs													May-Aug	-	-	-
	Wading	American bittern	Nesting	C/E		1 Pair													May-Aug	-	-	-
	Wading	Least bittern	Nesting	T/C		7 Pairs													Apr-Sep	-	-	-
	Wading	Virginia rail	Nesting			9 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
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

**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					
423	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Diadromous	American shad	Spawning Area			-													Apr-Jun	Apr-Jun	-	-	Apr-Jun
426	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
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
445	Diadromous	Atlantic sturgeon	General Distribution	-/E	E	-													May-Jul	May-Jul	May-Jul	Aug-Oct	May-Jul
451	Diadromous	American shad	Nursery Area			-													-	-	May-Jun	Jun-Oct	-
	Freshwater	Largemouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
	Freshwater	Smallmouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
452	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
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
	Freshwater	Smallmouth bass	Nursery Area			-													-	-	Jun-Aug	Jan-Dec	-
453	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
	Estuarine Nursery	White perch	Spawning Area			-													Apr-Jul	Apr-Jul	-	-	Apr-Jul
454	Diadromous	Anadromous fish	Concentration Area			High													-	-	-	-	Apr-Jun
455	Freshwater	Largemouth bass	Concentration Area			High													May-Jun	May-Jul	Jun-Aug	Jun-Aug	May-Aug
456	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
457	Freshwater	Smallmouth bass	Spawning Area			-													May-Jun	May-Jul	-	-	May-Aug

**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		-													-	-	-	-	-
529	Plant	Rare plant	Vulnerable Occurrence	C/C		-													-	-	-	-	-
	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					
585	Turtle	Wood turtle	General Distribution	C/T		-													-	-	-	Mar-Nov	Mar-Nov



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	-												-	-	-	May-Oct	May-Oct
		Striped bass	Spawning Area			High												Apr-Jun	Apr-Jun	-	-	Apr-Jun

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	Green heron												Apr-Sep	-	-	-
	Waterfowl	American black duck												Apr-Aug	-	-	-
		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												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
		Striped bass												-	-	-	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
	Marine Benthic	Yellow perch												Apr-Jun	Apr-Jun	Apr-Jun	Jan-Dec	Jan-Dec
		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](https://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	346.38	0.54
	10C	Swamps	1,076.05	1.68
	10D	Scrub and Shrub Wetlands	56.53	0.09
	9A	Sheltered Tidal Flats	755.23	1.18
	7	Exposed Tidal Flats	82.15	0.13

### 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	9,661.60	6.00	5%
	10C	Swamps	16,074.72	9.99	9%
	10D	Scrub and Shrub Wetlands	50.52	0.03	< 1%
	9A	Sheltered Tidal Flats	32,419.75	20.14	18%
	9B	Vegetated Low Banks	98,879.41	61.44	54%
	8A	Sheltered, Impermeable, Rocky Shores	364.02	0.23	< 1%
	8B	Sheltered, Solid Man-Made Structures	2,748.98	1.71	2%
	8C	Sheltered Riprap	13,547.02	8.42	7%
	7	Exposed Tidal Flats	1,308.53	0.81	1%
	6A	Gravel Beaches	1,356.79	0.84	1%
	5	Mixed Sand and Gravel Beaches	4,327.17	2.69	2%
	4	Coarse Grained Sand Beaches	843.24	0.52	< 1%

Total ESI Shoreline:	181,581.76	Total ESI Shoreline:	112.83
Total Shoreline:	111,359.01	Total Shoreline:	69.20

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](https://response.restoration.noaa.gov)

