

Map 11A
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 11A
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 | - | - | - |

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 | | | | | |
| 417 | Diadromous | Blueback herring | Nursery Area | | | - | | | | | | | | | | | | | - | - | May-Jun | Jun-Oct | - |
| | Diadromous | Blueback herring | Spawning Area | | | Known Run | | | | | | | | | | | | | May-Jun | May-Jun | - | - | - |
| 418 | 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 | - | | | | | | | | | | | | | Mar-May | Mar-May | May-Jul | Jun-Oct | Mar-May |

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/- | | - | | | | | | | | | | | | | - | - | - | - | - |
| 536 | Wetland | Vernal pool | Vulnerable Occurrence | | | - | | | | | | | | | | | | | - | - | - | - | - |

INVERTEBRATES

| 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 | | | | | |
| 657 | Bivalve | Alewife floater | Concentration Area | | | .01-0.1/M2 | | | | | | | | | | | | | Aug-Sep | Aug-May | May-Jun | Jan-Dec | Jan-Dec |
| | Bivalve | Eastern elliptio | Concentration Area | | | 10-20/M2 | | | | | | | | | | | | | Aug-Sep | Aug-May | May-Jun | Jan-Dec | Jan-Dec |
| | Bivalve | Tidewater mucket | Concentration Area | | | .01-0.1/M2 | | | | | | | | | | | | | Aug-Sep | Aug-May | May-Jun | Jan-Dec | Jan-Dec |

ALSO PRESENT IN MAPPED AREA (GENERAL DISTRIBUTION)




FISH

| | <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> | | | | | |
|  | 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 |
| | | 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-Jun | Apr-Jun | Apr-Jun | Jan-Dec | Jan-Dec |
|  | Marine Benthic | 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 | 12.49 | 0.02 |
|  | 10C | Swamps | 15.18 | 0.02 |
|  | 10D | Scrub and Shrub Wetlands | 18.45 | 0.03 |

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> |
|--|-----------------|---|------------------------|-----------------------|---------------------------|
|  | 10C | Swamps | 1,989.57 | 1.24 | 2% |
|  | 10D | Scrub and Shrub Wetlands | 218.85 | 0.14 | < 1% |
|  | 9B | Vegetated Low Banks | 67,189.97 | 41.75 | 75% |
|  | 8A | Sheltered, Impermeable, Rocky Shores | 6,608.62 | 4.11 | 7% |
|  | 8B | Sheltered, Solid Man-Made Structures | 12,504.25 | 7.77 | 14% |
|  | 8C | Sheltered Riprap | 515.46 | 0.32 | 1% |

| | | | |
|----------------------|-----------|----------------------|-------|
| Total ESI Shoreline: | 89,026.73 | Total ESI Shoreline: | 55.32 |
| Total Shoreline: | 86,362.14 | Total Shoreline: | 53.66 |

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

