

**Map 22C**  
**NY/ NJ Metropolitan Area**



**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 22C  
New York and New Jersey Metropolitan Area

BIOLOGICAL RESOURCES

Note: An asterisk (\*) indicates that life stage occurs in this range but not in all months included

DISPLAYED ON MAP

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 |         |         |         |      |
| 269    | Wading     | YC night-heron      | Nesting            | -/T |   | -             |                  |   |   |   |   |   |   |   |   |   |   |   | Apr-Aug | -       | -       | -    |
| 272    | Raptor     | Northern harrier    | Nesting            | T/E |   | 1 Pair        |                  |   |   |   |   |   |   |   |   |   |   |   | Apr-Aug | -       | -       | -    |
| 309    | Wading     | Wading birds        | Concentration Area |     |   | High          |                  |   |   |   |   |   |   |   |   |   |   |   | -       | -       | -       | -    |
| 310    | Bird       | Colonial waterbirds | Roosting           |     |   | -             |                  |   |   |   |   |   |   |   |   |   |   |   | -       | -       | -       | -    |
|        | Wading     | Great egret         | Roosting           |     |   | 2             |                  |   |   |   |   |   |   |   |   |   |   |   | -       | -       | -       | -    |

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 | American eel |                  |   |   |   |   |   |   |   |   |   |   |   | -     | -    | -      | Jan-Dec   | Sep-Nov |






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 |                  |   |   |   |   |   |   |   |   |   |   |   | May-Oct | -    | -      | Jan-Dec   | Jan-Dec |








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> |
|--|-----------------|---------------------------------|---------------------|-------------------------|
|  | 10A             | Salt and Brackish Water Marshes | 243.64              | 0.38                    |
|  | 10B             | Freshwater Marshes              | 15.27               | 0.02                    |
|  | 10C             | Swamps                          | 129.29              | 0.20                    |
|  | 10D             | Scrub and Shrub Wetlands        | 10.37               | 0.02                    |
|  | 9A              | Sheltered Tidal Flats           | 3.28                | 0.01                    |

### 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         | 8,020.87               | 4.98                  | 14%                       |
|  | 10B             | Freshwater Marshes                      | 1,019.79               | 0.63                  | 2%                        |
|  | 10C             | Swamps                                  | 3,296.51               | 2.05                  | 6%                        |
|  | 9A              | Sheltered Tidal Flats                   | 285.61                 | 0.18                  | < 1%                      |
|  | 9B              | Vegetated Low Banks                     | 40,408.36              | 25.11                 | 70%                       |
|  | 8B              | Sheltered, Solid Man-Made Structures    | 1,868.47               | 1.16                  | 3%                        |
|  | 8C              | Sheltered Riprap                        | 3,069.02               | 1.91                  | 5%                        |

|                      |           |                      |       |
|----------------------|-----------|----------------------|-------|
| Total ESI Shoreline: | 57,968.63 | Total ESI Shoreline: | 36.02 |
| Total Shoreline:     | 45,264.71 | Total Shoreline:     | 28.13 |

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)

