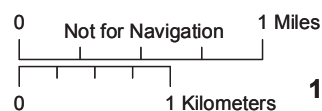


Map 5A
Long Island Sound



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



1:50,000

Map 5A Long Island Sound

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 | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | |
|--|------------|----------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D |
| | SAV | Small pondweed | High Ecological Value | C/- | | Present | | | | | | | | | | | | |

BIRDS

| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Nest | Mig.(S) | Mig.(F) | Molt |
|--------|------------|-------------------|----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | |
| 15 | Raptor | Bald eagle | General Distribution | T/T | | Present | | | | | | | | | | | | | Feb-Aug | - | - | - |
| 21 | Passerine | Saltmarsh sparrow | Concentration Area | | | Present | | | | | | | | | | | | | May-Aug | - | - | - |
| | Raptor | Bald eagle | Nesting | T/T | | Present | | | | | | | | | | | | | Feb-Aug | - | - | - |
| | Raptor | Osprey | Nesting | -/C | | Common | | | | | | | | | | | | | Mar-Aug | Mar-Jun | Jul-Nov | - |
| | Waterfowl | Dabbling ducks | Concentration Area | | | Abundant | | | | | | | | | | | | | - | Jan-Dec | - | - |

FISH

| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Spawn | Eggs | Larvae | Juveniles | Adults |
|--------|--------------------|---------------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|-----------|---------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| 424 | Freshwater | Banded sunfish | Vulnerable Occurrence | C/T | | Uncommon | | | | | | | | | | | | | Apr-Jul | Apr-Jul | May-Aug | Jan-Dec | Jan-Dec |
| 429 | Diadromous | American eel | Nursery Area | | | Common | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| 459 | Estuarine Nursery | White perch | Nursery Area | | | Common | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Aug | Jan-Dec | Jan-Dec |
| 475 | Diadromous | Alewife | Migration | | | Abundant | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Jul | Apr-Nov | Apr-Nov |
| | Diadromous | American eel | Migration | | | Abundant | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| | Diadromous | American shad | Migration | | | Abundant | | | | | | | | | | | | | May-Jul | May-Jul | May-Aug | Jun-Nov | Apr-Jul |
| | Diadromous | Atlantic sturgeon | Vulnerable Occurrence | E/- | E | Rare | | | | | | | | | | | | | May-Jun | May-Jun | May-Jun | Jan-Dec | Jan-Dec |
| | Diadromous | Blueback herring | Migration | C/- | | Abundant | | | | | | | | | | | | | May-Sep | May-Sep | May-Oct | Apr-Nov | Apr-Nov |
| | Diadromous | Hickory shad | Migration | | | Common | | | | | | | | | | | | | Jun-Aug | Jun-Aug | Jun-Aug | Jul-Nov | Jun-Nov |
| | Diadromous | Sea lamprey | Migration | | | Common | | | | | | | | | | | | | May-Jun | May-Jun | Jan-Dec | Apr-Jul | Apr-Jul |
| | Diadromous | Shortnose sturgeon | Vulnerable Occurrence | E/E | E | Rare | | | | | | | | | | | | | - | - | - | Nov-May | Nov-May |
| | Diadromous | Striped bass | Migration | | | Common | | | | | | | | | | | | | - | - | - | Apr-Nov | Apr-Nov |
| | Estuarine Nursery | Atlantic menhaden | Nursery Area | | | Abundant | | | | | | | | | | | | | May-Oct | May-Oct | May-Nov | Apr-Nov | Apr-Nov |
| | Estuarine Nursery | Hogchoker | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Nursery | White perch | Nursery Area | | | Common | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Atlantic silverside | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Inland silverside | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Mummichog | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Sep | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Sheepshead minnow | Nursery Area | | | Common | | | | | | | | | | | | | Jun-Sep | Jun-Sep | Jun-Oct | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Striped killifish | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Sep | Jan-Dec | Jan-Dec |
| 476 | Diadromous | Striped bass | Migration | | | Common | | | | | | | | | | | | | - | - | - | Apr-Nov | Apr-Nov |
| 477 | Diadromous | American shad | Migration | | | Abundant | | | | | | | | | | | | | May-Jul | May-Jul | May-Aug | Jun-Nov | Apr-Jul |
| | Diadromous | Atlantic sturgeon | Vulnerable Occurrence | E/- | E | Rare | | | | | | | | | | | | | May-Jun | May-Jun | May-Jun | Jan-Dec | Jan-Dec |

FISH (continued)

| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Spawn | Eggs | Larvae | Juveniles | Adults |
|--------|--------------------|-----------------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|-----------|---------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| | Diadromous | Hickory shad | Migration | | | Common | | | | | | | | | | | | | Jun-Aug | Jun-Aug | Jun-Aug | Jul-Nov | Jun-Nov |
| | Estuarine Nursery | Atlantic menhaden | Nursery Area | | | Abundant | | | | | | | | | | | | | May-Oct | May-Oct | May-Nov | Apr-Nov | Apr-Nov |
| | Estuarine Nursery | Hogchoker | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Atlantic silverside | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Inland silverside | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Mummichog | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Sheepshead minnow | Nursery Area | | | Common | | | | | | | | | | | | | Jun-Sep | Jun-Sep | Jun-Oct | Jan-Dec | Jan-Dec |
| | Estuarine Resident | Striped killifish | Nursery Area | | | Common | | | | | | | | | | | | | May-Aug | May-Aug | May-Sep | Jan-Dec | Jan-Dec |
| 478 | Diadromous | Alewife | Nursery Area | | | Common | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Jul | Apr-Nov | Apr-Nov |
| | Diadromous | American eel | Nursery Area | | | Common | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| | Diadromous | Blueback herring | Nursery Area | C/- | | Common | | | | | | | | | | | | | May-Sep | May-Sep | May-Oct | Apr-Nov | Apr-Nov |
| | Estuarine Nursery | White perch | Nursery Area | | | Common | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Aug | Jan-Dec | Jan-Dec |
| | Freshwater | Bridle shiner | Vulnerable Occurrence | C/- | | Uncommon | | | | | | | | | | | | | May-Jul | May-Jul | May-Jul | Jan-Dec | Jan-Dec |
| 479 | Diadromous | Alewife | Nursery Area | | | Common | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Jul | Apr-Nov | Apr-Nov |
| | Diadromous | American eel | Nursery Area | | | Common | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| | Diadromous | Blueback herring | Nursery Area | C/- | | Common | | | | | | | | | | | | | May-Sep | May-Sep | May-Oct | Apr-Nov | Apr-Nov |
| 480 | Diadromous | Alewife | Spawning Area | | | Common | | | | | | | | | | | | | Mar-Jun | Mar-Jun | Mar-Jun | Mar-Oct | Mar-Oct |
| | Diadromous | American eel | Nursery Area | | | Common | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| | Diadromous | Brown trout | Nursery Area | | | Common | | | | | | | | | | | | | Oct-Nov | Oct-Apr | Feb-May | Jan-Dec | Jan-Dec |
| | Diadromous | Sea lamprey | Spawning Area | | | Common | | | | | | | | | | | | | May-Jun | May-Jun | Jan-Dec | Apr-Jul | Apr-Jul |
| | Freshwater | Brook trout | Nursery Area | | | Common | | | | | | | | | | | | | Sep-Dec | Sep-Apr | Feb-May | Jan-Dec | Jan-Dec |
| 481 | Diadromous | Alewife | Spawning Area | | | Abundant | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Jul | Apr-Nov | Apr-Nov |
| | Diadromous | Brown trout (sea run) | Migration | | | Uncommon | | | | | | | | | | | | | Oct-Nov | Oct-Apr | Feb-May | Jan-Dec | Sep-Jan |
| | Diadromous | Sea lamprey | Migration | | | Abundant | | | | | | | | | | | | | May-Jun | May-Jun | Jan-Dec | Apr-Jul | Apr-Jul |
| | Estuarine Nursery | White perch | Nursery Area | | | Uncommon | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Aug | Jan-Dec | Jan-Dec |
| | Freshwater | Rainbow smelt | Spawning Area | E/- | | Uncommon | | | | | | | | | | | | | Feb-May | Feb-May | Feb-May | Feb-May | Feb-May |
| 482 | Diadromous | Alewife | Migration | | | Abundant | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Jul | Apr-Nov | Apr-Nov |
| | Diadromous | American eel | Migration | | | Abundant | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| | Diadromous | Blueback herring | Migration | C/- | | Abundant | | | | | | | | | | | | | May-Sep | May-Sep | May-Oct | Apr-Nov | Apr-Nov |
| | Diadromous | Sea lamprey | Migration | | | Common | | | | | | | | | | | | | May-Jun | May-Jun | Jan-Dec | Apr-Jul | Apr-Jul |
| | Diadromous | Shortnose sturgeon | Vulnerable Occurrence | E/E | E | Rare | | | | | | | | | | | | | - | - | - | Nov-May | Nov-May |
| 483 | Diadromous | Hickory shad | Migration | | | Uncommon | | | | | | | | | | | | | Jun-Aug | Jun-Aug | Jun-Aug | Jul-Nov | Jun-Nov |
| | Freshwater | Banded killifish | Nursery Area | | | Uncommon | | | | | | | | | | | | | May-Aug | May-Aug | May-Sep | Jan-Dec | Jan-Dec |
| 484 | Diadromous | Alewife | Spawning Area | | | Common | | | | | | | | | | | | | Apr-Jul | Apr-Jul | Apr-Jul | Apr-Nov | Apr-Nov |
| | Diadromous | American eel | Nursery Area | | | Abundant | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| | Diadromous | American shad | Nursery Area | | | Uncommon | | | | | | | | | | | | | May-Jul | May-Jul | May-Aug | Jun-Nov | Apr-Jul |
| | Diadromous | Blueback herring | Spawning Area | C/- | | Abundant | | | | | | | | | | | | | May-Sep | May-Sep | May-Oct | Apr-Nov | Apr-Nov |
| | Estuarine Nursery | Atlantic menhaden | Nursery Area | | | Uncommon | | | | | | | | | | | | | May-Oct | May-Oct | May-Nov | Apr-Nov | Apr-Nov |
| | Estuarine Nursery | Hogchoker | Nursery Area | | | Uncommon | | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | Freshwater | Banded killifish | Nursery Area | | | Uncommon | | | | | | | | | | | | | May-Aug | May-Aug | May-Sep | Jan-Dec | Jan-Dec |
| 485 | Freshwater | Banded killifish | Nursery Area | | | Uncommon | | | | | | | | | | | | | May-Aug | May-Aug | May-Sep | Jan-Dec | Jan-Dec |
| | Freshwater | Bridle shiner | Vulnerable Occurrence | C/- | | Uncommon | | | | | | | | | | | | | May-Jul | May-Jul | May-Jul | Jan-Dec | Jan-Dec |
| 486 | Diadromous | Alewife | Spawning Area | | | Uncommon | | | | | | | | | | | | | Mar-Jun | Mar-Jun | Mar-Jun | Mar-Oct | Mar-Oct |
| | Diadromous | American eel | Nursery Area | | | Uncommon | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |

FISH (continued)

| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Spawn | Eggs | Larvae | Juveniles | Adults |
|--------|------------|------------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|-----------|---------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| | Freshwater | Banded killifish | Nursery Area | | | Uncommon | | | | | | | | | | | | | May-Aug | May-Aug | May-Sep | Jan-Dec | Jan-Dec |
| | Freshwater | Banded sunfish | Vulnerable Occurrence | C/T | | Uncommon | | | | | | | | | | | | | Apr-Jul | Apr-Jul | May-Aug | Jan-Dec | Jan-Dec |
| | Freshwater | Bridle shiner | Vulnerable Occurrence | C/- | | Uncommon | | | | | | | | | | | | | May-Jul | May-Jul | May-Jul | Jan-Dec | Jan-Dec |
| 487 | Diadromous | American eel | Nursery Area | | | Abundant | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |
| | Diadromous | Blueback herring | Spawning Area | C/- | | Abundant | | | | | | | | | | | | | May-Sep | May-Sep | May-Oct | Apr-Nov | Apr-Nov |
| 488 | Diadromous | American shad | Spawning Area | | | Abundant | | | | | | | | | | | | | May-Jul | May-Jul | May-Aug | Jun-Nov | Apr-Jul |
| 489 | Diadromous | American eel | Nursery Area | | | Uncommon | | | | | | | | | | | | | - | - | Apr-Aug | Jan-Dec | Sep-Nov |

HABITATS & RARE PLANTS

| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Spawn | Eggs | Larvae | Juveniles | Adults |
|--------|------------|----------------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|-------|------|--------|-----------|--------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| 762 | Plant | Goldenclub | Vulnerable Occurrence | C/T | | Present | | | | | | | | | | | | | - | - | - | - | - |
| 779 | Plant | Swamp cottonwood | Vulnerable Occurrence | -/T | | Present | | | | | | | | | | | | | - | - | - | - | - |
| 780 | Plant | Devil's-tongue | Vulnerable Occurrence | C/- | | Present | | | | | | | | | | | | | - | - | - | - | - |
| 781 | Plant | Awl-leaf arrowhead | Vulnerable Occurrence | C/- | | Present | | | | | | | | | | | | | - | - | - | - | - |
| 782 | Plant | American senna | Vulnerable Occurrence | C/- | | Present | | | | | | | | | | | | | - | - | - | - | - |
| | Plant | Eaton's beggars-tick | Vulnerable Occurrence | E/- | | Present | | | | | | | | | | | | | - | - | - | - | - |
| | Plant | Estuary pipewort | Vulnerable Occurrence | E/- | | Present | | | | | | | | | | | | | - | - | - | - | - |
| | Plant | Goldenclub | Vulnerable Occurrence | C/T | | Present | | | | | | | | | | | | | - | - | - | - | - |
| 783 | Plant | Estuary pipewort | Vulnerable Occurrence | E/- | | Present | | | | | | | | | | | | | - | - | - | - | - |

REPTILES & AMPHIBIANS

| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Nest | Hatch | Internest | Juveniles | Adults |
|--------|------------|--------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|------|---------|-----------|-----------|---------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| 960 | Turtle | Rare reptile | Vulnerable Occurrence | -/E | | Present | | | | | | | | | | | | | Jun | Aug-Sep | - | Jan-Dec | Jan-Dec |

INVERTEBRATES


| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Spawn | Eggs | Larvae | Juveniles | Adults |
|--------|------------|------------------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|---------|------|--------|-----------|---------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| 990 | Bivalve | Rare freshwater mussel | Vulnerable Occurrence | | | Present | | | | | | | | | | | | | Jul-Sep | - | - | Jan-Dec | Jan-Dec |
| | Insect | Rare insect | Vulnerable Occurrence | | | Present | | | | | | | | | | | | | - | - | - | - | Jan-Dec |
| 991 | Bivalve | Rare freshwater mussel | Vulnerable Occurrence | | | Present | | | | | | | | | | | | | Jul-Sep | - | - | Jan-Dec | Jan-Dec |
| | Insect | Rare insect | Vulnerable Occurrence | | | Present | | | | | | | | | | | | | - | - | - | - | Jan-Dec |
| | Insect | Threatened insect | Vulnerable Occurrence | E/- | T | Present | | | | | | | | | | | | | - | - | - | - | Jan-Dec |
| 992 | Bivalve | Rare freshwater mussel | Vulnerable Occurrence | | | Present | | | | | | | | | | | | | Jul-Sep | - | - | Jan-Dec | Jan-Dec |

TERRESTRIAL MAMMALS



| Map ID | Subelement | Species | Mapping Qualifier | CT/NY | | Concentration | Monthly Presence | | | | | | | | | | | | Spawn | Eggs | Larvae | Juveniles | Adults |
|--------|--------------|------------------------|-----------------------|-------|---|---------------|------------------|---|---|---|---|---|---|---|---|---|---|---|-------|------|--------|-----------|--------|
| | | | | S | F | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| 1050 | Small Mammal | New England cottontail | Vulnerable Occurrence | | | Present | | | | | | | | | | | | | - | - | - | - | - |

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 | | | | |
|  | Waterfowl | American black duck | | | | | | | | | | | | Apr-May | Mar-Apr | Sep-Nov | - |
| | | Bufflehead | | | | | | | | | | | | - | Oct-Jun | - | - |
| | | Common merganser | | | | | | | | | | | | - | - | - | - |
| | | Green-winged teal | | | | | | | | | | | | - | Mar-Apr | Sep-Oct | - |
| | | Mallard | | | | | | | | | | | | Mar-Aug | - | - | - |
| | | Wood duck | | | | | | | | | | | | Mar-Aug | - | - | - |






FISH

| Subelement | Species | Monthly Presence | | | | | | | | | | | | Spawn | Eggs | Larvae | Juveniles | Adults |
|----------------------------------------------------------------------------------|------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|---------|---------|---------|-----------|---------|
| | | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
|  | Diadromous | Brown trout | | | | | | | | | | | | Oct-Nov | Oct-Apr | Feb-May | Jan-Dec | Jan-Dec |
| | | Gizzard shad | | | | | | | | | | | | Apr-Jun | Apr-Jun | Apr-Jun | Jan-Dec | Jan-Dec |
| | | Rainbow trout | | | | | | | | | | | | - | - | - | Jan-Dec | Jan-Dec |
|  | Freshwater | Black crappie | | | | | | | | | | | | May-Jun | May-Jun | May-Jun | Jan-Dec | Jan-Dec |
| | | Bluegill | | | | | | | | | | | | May-Jun | May-Jun | May-Jul | Jan-Dec | Jan-Dec |
| | | Bowfin | | | | | | | | | | | | May-Jun | May-Jun | May-Jul | Jan-Dec | Jan-Dec |
| | | Brown bullhead | | | | | | | | | | | | May-Jul | May-Jul | Jun-Aug | Jan-Dec | Jan-Dec |
| | | Central mudminnow | | | | | | | | | | | | Mar-Apr | Mar-Apr | Mar-May | Jan-Dec | Jan-Dec |
| | | Chain pickerel | | | | | | | | | | | | Mar-May | Mar-May | Mar-May | Jan-Dec | Jan-Dec |
| | | Channel catfish | | | | | | | | | | | | May-Jul | May-Jul | Jun-Aug | Jan-Dec | Jan-Dec |
| | | Chubsucker | | | | | | | | | | | | Apr-May | Apr-May | Apr-Jun | Jan-Dec | Jan-Dec |
| | | Common carp | | | | | | | | | | | | May-Jun | May-Jun | May-Jul | Jan-Dec | Jan-Dec |
| | | Golden shiner | | | | | | | | | | | | May-Aug | May-Aug | May-Aug | Jan-Dec | Jan-Dec |
| | | Largemouth bass | | | | | | | | | | | | May-Jul | May-Jul | May-Jul | Jan-Dec | Jan-Dec |
| | | Northern pike | | | | | | | | | | | | Mar-May | Mar-May | Mar-May | Jan-Dec | Jan-Dec |
| | | Pumpkinseed | | | | | | | | | | | | May-Jun | May-Jun | May-Jul | Jan-Dec | Jan-Dec |
| | | Redbreast sunfish | | | | | | | | | | | | May-Jun | May-Jun | May-Jul | Jan-Dec | Jan-Dec |
| | | Rock bass | | | | | | | | | | | | May-Jun | May-Jun | May-Jul | Jan-Dec | Jan-Dec |
| | | Smallmouth bass | | | | | | | | | | | | May-Jun | May-Jun | May-Jul | Jan-Dec | Jan-Dec |
| | | Spottail shiner | | | | | | | | | | | | Jun-Jul | Jun-Jul | Jun-Aug | Jan-Dec | Jan-Dec |
| | | Tessellated darter | | | | | | | | | | | | Apr-May | Apr-May | Apr-Jun | Jan-Dec | Jan-Dec |
| | | White catfish | | | | | | | | | | | | May-Jul | May-Jul | Jun-Aug | Jan-Dec | Jan-Dec |
| | | White sucker | | | | | | | | | | | | Apr-May | Apr-Jun | Apr-Jun | Jan-Dec | Jan-Dec |
| | | Yellow perch | | | | | | | | | | | | Mar-May | Mar-May | Mar-Aug | 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> |
|----------------------------------------------------------------------------------|-----------------|-------------------------------|---------------------|-------------------------|
|  | 10B | Freshwater Marshes | 202.20 | 0.32 |
|  | 10C | Swamps | 441.29 | 0.69 |
|  | 10D | Scrub and Shrub Wetlands | 229.74 | 0.36 |
|  | 9A | Sheltered Tidal Flats | 62.78 | 0.10 |
|  | 7 | Exposed Tidal Flats | 20.59 | 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> |
|----------------------------------------------------------------------------------|-----------------|-----------------------------------------|------------------------|-----------------------|---------------------------|
|  | 10B | Freshwater Marshes | 13,094.35 | 8.14 | 15% |
|  | 10C | Swamps | 3,216.32 | 2.00 | 4% |
|  | 10D | Scrub and Shrub Wetlands | 5,727.05 | 3.56 | 7% |
|  | 9A | Sheltered Tidal Flats | 10,703.37 | 6.65 | 12% |
|  | 9B | Vegetated Low Banks | 41,564.94 | 25.83 | 48% |
|  | 8A | Sheltered, Impermeable, Rocky Shores | 784.64 | 0.49 | 1% |
|  | 8B | Sheltered, Solid Man-Made Structures | 2,587.54 | 1.61 | 3% |
|  | 8C | Sheltered Riprap | 4,461.80 | 2.77 | 5% |
|  | 7 | Exposed Tidal Flats | 1,937.46 | 1.20 | 2% |
|  | 5 | Mixed Sand and Gravel Beaches | 1,242.15 | 0.77 | 1% |
|  | 4 | Coarse Grained Sand Beaches | 1,689.06 | 1.05 | 2% |

| | | | |
|----------------------|-----------|----------------------|-------|
| Total ESI Shoreline: | 87,008.66 | Total ESI Shoreline: | 54.06 |
| Total Shoreline: | 64,721.64 | Total Shoreline: | 40.22 |

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

