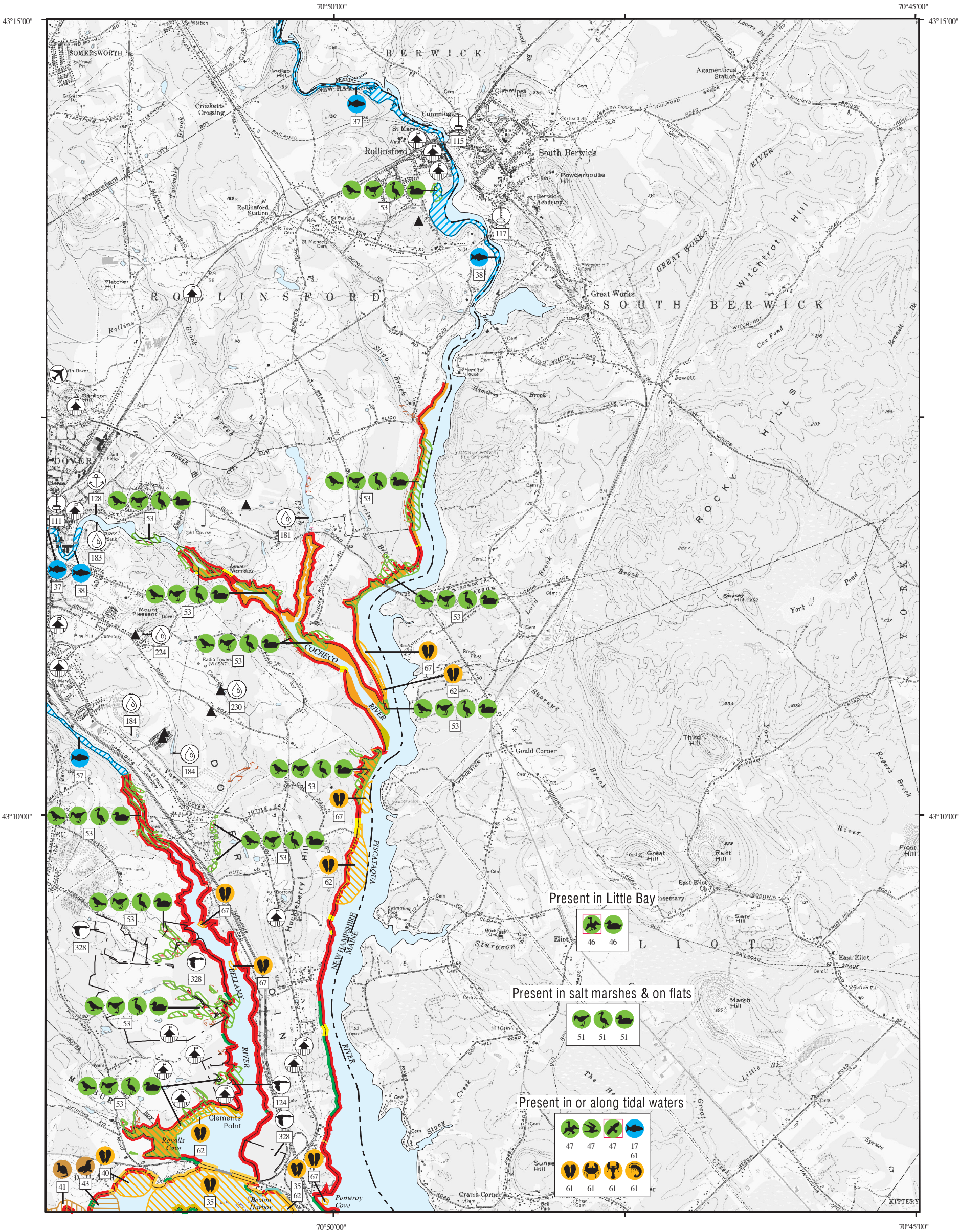


ENVIRONMENTAL SENSITIVITY INDEX MAP



SHORELINE HABITATS (ESI)

- 1A EXPOSED ROCKY SHORES
- 1B EXPOSED, SOLID MAN-MADE STRUCTURES
- 2A EXPOSED WAVE-CUT PLATFORMS IN BEDROCK
- 3A FINE- TO MEDIUM-GRAINED SAND BEACHES
- 5 MIXED SAND AND GRAVEL BEACHES
- 6A GRAVEL BEACHES
- 6B RIPRAP
- 7 EXPOSED TIDAL FLATS
- 8A SHELTERED ROCKY SHORES
- 8B SHELTERED, SOLID MAN-MADE STRUCTURES
- 8C SHELTERED RIPRAP
- 9A SHELTERED TIDAL FLATS
- 10A SALT- AND BRACKISH-WATER MARSHES
- 10B FRESHWATER MARSH
- 10C SWAMPS
- 10D SCRUB-SHRUB WETLANDS

Prepared for:
New Hampshire Department of Environmental Services

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March 2004

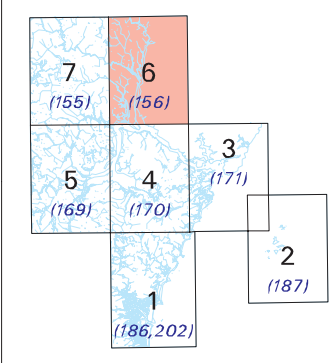
SCALE 1:45000



Not For Navigation

DOVER EAST, ME. -N.H.(1990)

NH-6



New Hampshire: ESIMAP 6

BIOLOGICAL RESOURCES:

| BIRD: | | | | | | | | | | | | | | | | | | | | | | |
|---------------|---------------------------|---------------------|---|-----------|-------|---|---|---|---|---|---|---|---|---|---|---|----------|-----------|---------|-----------|---------|---------|
| RAR# | Species | S | F | Conc. | J | F | M | A | M | J | J | A | S | O | N | D | Nesting | Migrating | | Molting | | |
| ----- | | | | | | | | | | | | | | | | | | | | | | |
| 46 | Bufflehead | | | <100 | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Canvasback | | | LOW | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Common goldeneye | | | 200-400 | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Common loon | T | | LOW | X | X | X | X | X | | | | | X | X | X | - | - | | - | | |
| | Common merganser | | | 200 | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Greater scaup | | | 400-800 | X | X | X | X | | | | | | | X | X | X | - | - | | - | |
| | Hooded merganser | | | 200 | | | | X | X | X | | | | | | | - | - | | - | | |
| | Red-breasted merganser | | | 200 | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Scoters | | | MED | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| 47 | Bald eagle | E | T | 15-25 | X | X | X | X | | | | | | | | X | - | - | | - | | |
| | Double-crested cormorant | | | LOW | | | | | X | X | X | X | X | X | | | - | - | | - | | |
| | Great black-backed gull | | | HIGH | X | X | X | X | X | X | X | X | X | X | X | X | - | - | | - | | |
| | Herring gull | | | HIGH | X | X | X | X | X | X | X | X | X | X | X | X | - | - | | - | | |
| 51 | American bittern | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | | |
| | American black duck | | | 1000-2000 | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | - | | - | |
| | American wigeon | | | 50 | X | X | X | X | | | | | | | X | X | X | - | - | | - | |
| | Black-bellied plover | | | LOW | | | | | X | | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - | |
| | Black-crowned night-heron | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | | |
| | Blue-winged teal | | | <50 | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Canada goose | | | 3000-6000 | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | - | | - | |
| | Gadwall | | | LOW | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Glossy ibis | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | | |
| | Great blue heron | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | | |
| | Great egret | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | | |
| | Greater yellowlegs | | | MED | | | | X | | X | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - | |
| | Green heron | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | | |
| | Least sandpiper | | | MED | | | | X | | X | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - | |
| | Lesser yellowlegs | | | MED | | | | X | | X | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - | |
| | Northern pintail | | | <50 | X | X | X | X | | | | | | | X | X | - | - | | - | | |
| | Semipalmated plover | | | LOW | | | | | X | | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - | |
| | Semipalmated sandpiper | | | LOW | | | | | X | | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - | |
| | Short-billed dowitcher | | | LOW | | | | | X | | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - | |
| | Snowy egret | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | | |
| | Solitary sandpiper | | | LOW | | | | | X | | X | X | X | X | | | - | - | | - | | |
| | Spotted sandpiper | | | LOW | | | | | X | | X | X | X | X | | | - | - | | - | | |
| | 53 | American black duck | | | MED | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | - | | - |
| | | Blue-winged teal | | | LOW | X | X | X | X | | | | | | | X | X | - | - | | - | |
| | | Canada goose | | | MED | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | - | | - |
| | | Great blue heron | | | MED | | | | X | X | X | X | X | X | X | | | - | - | | - | |
| | | Greater yellowlegs | | | 10-50 | | | | X | | X | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - |
| | | Lesser yellowlegs | | | 10-50 | | | | X | | X | X | X | X | X | | | - | MAY-MAY | JUL-OCT | | - |
| | | Mallard | | | MED | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | - | | - |
| | | Marsh wren | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | |
| | | Virginia rail | | | LOW | | | | X | X | X | X | X | X | X | | | - | - | | - | |
| FISH: | | | | | | | | | | | | | | | | | | | | | | |
| RAR# | Species | S | F | Conc. | J | F | M | A | M | J | J | A | S | O | N | D | Spawning | Eggs | Larvae | Juveniles | Adults | |
| ----- | | | | | | | | | | | | | | | | | | | | | | |
| 17 | Alewife | | | | | | | X | X | X | X | X | X | X | X | X | - | - | - | APR-DEC | APR-JUL | |
| | American eel | | | | | | X | X | X | X | X | X | X | X | | | - | - | - | - | MAR-OCT | |
| | American shad | | | | X | X | | X | X | X | X | X | X | X | X | X | - | - | - | JUL-FEB | MAY-JUL | |
| | Atlantic salmon | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | JAN-DEC | MAY-MAR | |
| | Blueback herring | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | JAN-DEC | JAN-DEC | |
| | Rainbow smelt | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | MAR-SEP | OCT-APR | |
| | Sea lamprey | | | | | | | X | X | X | X | X | X | X | X | X | - | - | - | APR-DEC | APR-JUL | |
| | Striped bass | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | JAN-DEC | JAN-DEC | |
| 37 | Alewife | | | | | | | X | X | X | X | | | | | | APR-JUN | - | - | - | APR-JUL | |
| | American eel | | | | | | | X | X | | | | | | | | APR-MAY | - | - | - | APR-MAY | |
| | American shad | | | | | | | X | X | | | | | | | | MAY-JUN | - | - | - | MAY-JUN | |
| | Atlantic salmon | | | | X | X | X | X | X | X | X | X | X | X | X | X | MAY-JUN | - | - | JAN-DEC | JAN-DEC | |
| | Atlantic salmon | | | | X | X | X | X | X | X | X | X | X | X | X | X | SEP-NOV | - | - | JAN-DEC | SEP-MAR | |
| | Blueback herring | | | | | | | X | X | X | | | | | | | APR-JUN | - | - | - | APR-JUN | |
| | Sea lamprey | | | | | | | X | X | | | | | | | | APR-MAY | - | - | - | APR-MAY | |
| | Striped bass | | | | | | | X | X | | | | | | | | APR-MAY | - | - | - | APR-MAY | |
| 38 | Rainbow smelt | | | HIGH | | | | X | X | | | | | | | | MAR-APR | - | - | - | MAR-APR | |
| | 57 | Alewife | | | | | | X | X | X | X | | | | | | | APR-JUN | - | - | - | APR-JUL |
| | | American eel | | | | | | | X | X | | | | | | | | APR-MAY | - | - | - | APR-MAY |
| | | Blueback herring | | | | | | | X | X | X | | | | | | | APR-JUN | - | - | - | APR-JUN |
| Rainbow smelt | | | | HIGH | | | | X | X | | | | | | | | MAR-APR | - | - | - | MAR-APR | |
| 61 | Sea lamprey | | | | | | | X | X | | | | | | | | APR-MAY | - | - | - | APR-MAY | |
| | American sand lance | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | DEC-JUN | MAR-NOV | MAR-NOV | |
| | Atlantic mackerel | | | | | | | X | X | X | X | X | X | X | | | - | - | - | MAY-OCT | MAY-OCT | |
| | Atlantic menhaden | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | - | - | |
| | Atlantic silverside | | | | X | X | X | X | X | X | X | X | X | X | X | X | APR-JUN | APR-JUN | APR-JUL | APR-DEC | JAN-DEC | |
| | Atlantic tomcod | | | | X | X | X | X | X | X | X | X | X | X | X | X | DEC-FEB | - | - | JAN-DEC | JAN-DEC | |
| | Bluefish | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | - | - | |
| | Common killifish | | | | X | X | X | X | X | X | X | X | X | X | X | X | JUN-AUG | JUN-AUG | JUN-SEP | JAN-DEC | JAN-DEC | |
| | Cunner | | | | X | X | X | X | X | X | X | X | X | X | X | X | MAR-AUG | MAR-AUG | MAR-SEP | JAN-DEC | JAN-DEC | |
| | Fourspine stickleback | | | | X | X | X | X | X | X | X | X | X | X | X | X | APR-JUN | APR-JUN | APR-JUN | JAN-DEC | JAN-DEC | |
| | Grubby | | | | X | X | X | X | X | X | X | X | X | X | X | X | DEC-MAR | DEC-APR | JAN-JUN | JAN-DEC | JAN-DEC | |
| | Longhorn sculpin | | | | X | X | X | X | X | X | X | X | X | X | X | X | DEC-APR | DEC-APR | JAN-JUN | JAN-DEC | JAN-DEC | |
| | Ninespine stickleback | | | | X | X | X | X | X | X | X | X | X | X | X | X | MAY-JUL | MAY-JUL | MAY-JUL | JAN-DEC | JAN-DEC | |
| | Northern pipefish | | | | X | X | X | X | X | X | X | X | X | X | X | X | APR-AUG | - | APR-OCT | JAN-DEC | JAN-DEC | |
| | Pollock | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | NOV-FEB | NOV-MAR | JAN-DEC | - | |

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

New Hampshire: ESIMAP 6 (cont.)

BIOLOGICAL RESOURCES: (cont.)

| INVERTEBRATE: | | | | | | | | | | | | | | | | | | | | | |
|---------------------|-----------------------|---|---|-------|---|---|---|---|---|---|---|---|---|---|---|---|----------|---------|---------|-----------|---------|
| RAR# | Species | S | F | Conc. | J | F | M | A | M | J | J | A | S | O | N | D | Spawning | Eggs | Larvae | Juveniles | Adults |
| 61 | Horseshoe crab | | | | X | X | X | X | X | X | X | X | X | X | X | X | MAY-JUL | MAY-JUL | - | JAN-DEC | JAN-DEC |
| | Sevenspine bay shrimp | | | | X | X | X | X | X | X | X | X | X | X | X | X | - | - | - | JAN-DEC | JAN-DEC |
| 62 | Softshell clam | | | | X | X | X | X | X | X | X | X | X | X | X | X | MAY-OCT | MAY-OCT | MAY-OCT | JAN-DEC | JAN-DEC |
| 67 | Eastern oyster | | | | X | X | X | X | X | X | X | X | X | X | X | X | JUN-AUG | JUN-AUG | JUN-AUG | JAN-DEC | JAN-DEC |
| MARINE MAMMAL: | | | | | | | | | | | | | | | | | | | | | |
| RAR# | Species | S | F | Conc. | J | F | M | A | M | J | J | A | S | O | N | D | Mating | Calving | Molting | Pupping | |
| 43 | Harbor seal | | | HIGH | X | X | X | | | | | | X | X | X | X | - | - | - | - | |
| TERRESTRIAL MAMMAL: | | | | | | | | | | | | | | | | | | | | | |
| RAR# | Species | S | F | Conc. | J | F | M | A | M | J | J | A | S | O | N | D | | | | | |
| 41 | Beaver | | | MED | X | X | X | X | X | X | X | X | X | X | X | X | | | | | |
| | Muskrat | | | MED | X | X | X | X | X | X | X | X | X | X | X | X | | | | | |
| | Northern river otter | | | MED | X | X | X | X | X | X | X | X | X | X | X | X | | | | | |

HUMAN USE RESOURCES:

| LOCK AND DAM: | | | |
|---------------|----------------------------|---------------------|--------------|
| HUN# | Name - Code | Owner | Phone |
| 111 | CENTRAL AVE DAM - 067.04 | CITY OF DOVER | |
| 115 | ROLLINSFORD DAM - 205.02 | TOWN OF ROLLINSFORD | |
| 117 | SOUTH BERWICK DAM - 205.01 | CHI ENERGY, INC. | VICTOR ENGEL |

| MANAGEMENT AREA: | | | |
|------------------|----------------------------------|-------|-------|
| HUN# | Name | Owner | Phone |
| 124 | BELLAMY RIVER WILDLIFE SANCTUARY | | |

| MARINA: | | | |
|---------|-----------------|-------|--------------|
| HUN# | Name | Owner | Phone |
| 128 | GEORGE'S MARINA | | 603-742-9089 |

| WATER INTAKE: | | | |
|---------------|--------------------------|-------|-------|
| HUN# | Name | Owner | Phone |
| 181 | COCHECO COUNTRY CLUB | | |
| 183 | DOVER WWTF | | |
| 184 | ELLIOTT & WILLIAMS ROSES | | |
| 224 | TEXTRON AUTOMOTIVE CO | | |
| 230 | WILLIAMS - R CRAIG | | |

| WILDLIFE REFUGE: | | | |
|------------------|--|-------|-------|
| HUN# | Name | Owner | Phone |
| 328 | BELLAMY RIVER WILDLIFE MANAGEMENT AREA | | |

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.