

## North Shore GRP - Site Selection Matrix

| Site No.          | Site Name         | Marine Mammals | Fish | Invertebrates | Birds         | Reptiles | Threat/Endang Species | Cult Res | Subsistence | Human Use             | Land Mgmt | Coastal Habitat  |
|-------------------|-------------------|----------------|------|---------------|---------------|----------|-----------------------|----------|-------------|-----------------------|-----------|------------------|
| Upper Merrimack   |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 1                 | River             |                | A, F | LCS, SU       | BE, Se        | T        | BE, Pr, RT            | H        | B, F, Pt, S | BR, CG, MA            | CH, SMA   | MS, RR, TF       |
| 2                 | Newburyport       |                | A, F | LCS, SU       | BE, Se, Sh    |          | BE, PbG               | H        | B, F, Pt, S | BR, MA                | SMA       | MS, R, RR, TF    |
| Merrimack River   |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 3                 | Entrance          |                | A, F | LCS, SU       | BE, N, Se, Sh |          | BE, PbG               | H        | B, F, Pt, S | BR, MA                | SMA, NWR  | B, MS, R, TF     |
| 4                 | Plum Island River |                | A    | LCS, SU       | Se, Sh        |          | PbG                   |          | B, F, Pt, S | BR, WI                | NWR       | MS, TF           |
| 5                 | Parker River      |                | A, F | SU            | Se, Sh        |          | Pr, PbG               | H        | B, F, Pt, S | BR, MA, RF            | NWR       | MS, TF           |
| 6                 | Egypt River       |                | F    | SU            | Sh            |          | PbG                   |          | B, F, Pt, S | B, BR, CV, MA         | SMA       | MS, TF           |
| 7                 | Rowley River      |                | A    | LCS, SU       | Se            |          | Pr, PbG               |          | B, F, Pt, S | BR, MF, RF            | NWR       | MS, TF           |
| Eagle Hill River  |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 8                 | Eagle Hill River  |                | A    | SU            | Sh            |          |                       | H        | B, F, S     | BR                    | SMA       | B, MS, RR, TF    |
| Ipswich River     |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 9                 | Ipswich River     |                | A    | SU            | Se, Sh        |          | Pr, RT                | H        | B, F, Pt, S | AC, BR                | NWR, SMA  | B, MS, R, RR, TF |
| Plum Island Sound |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 10                | Entrance          |                | A    | SU            | Se, Sh        |          | Pr                    | H        | B, F, S     | BR, MA, PH            | NWR, SMA  | B, MS, R, RR, TF |
| Essex Bay         |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 11                | Essex Bay         |                | A    | LCS, SU       | N, Se, Sh     |          | RT                    | H        | B, F, Pt, S | AC, B, BR, MF         |           | B, MS, R, TF     |
| Essex River       |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 12                | Essex River       |                | A    | SU            | N, Se, Sh     |          | RT                    | H        | B, F, Pt, S | BR, MF, RF            |           | B, MS, TF        |
| North Annisquam   |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 13                | River             |                |      | LCS, SU       | Se, Sh        |          |                       | H        | B, F, Pt, S | B, BR, CG, MA         |           | B, MS, R, TF     |
| 14                | Rockport Harbor   |                |      | LCS, SU       | Se            |          |                       | H        | B, S        | B, BR, MA, PH         |           | B, R             |
| Milk Island       |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 15                | Milk Island       |                |      |               | N, Se, Sh     |          |                       |          | B           |                       | SMA       | B                |
| Long Beach        |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 16                | Long Beach        |                |      |               | Se            |          |                       |          | B           | B                     |           | B, R             |
| Good Harbor Beach |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 17                | Good Harbor Beach |                |      | SU            | Se, Sh        |          |                       |          | B, S        | BR                    |           | B, MS, R, TF     |
| South Annisquam   |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 18                | River             |                | A, F | LCS, SU       | Se, Sh        |          |                       |          | B, F, Pt, S | B, BR, MA, PH         |           | B, MS, R, TF     |
| Gloucester Inner  |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 19                | Harbor            |                |      | LCS, SU       | N, Sh         |          |                       | H        | B, Pt       | B, BR, CG, MA, PH, RF |           | R, B             |
| Gloucester Outer  |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 20                | Harbor            |                |      | LCS, SU       | Se            |          |                       | H        | B, Pt       | CG                    |           | B, MS, R, TF     |
| 21                | Black Beach       |                |      | LCS           | Sh            |          |                       |          | S           | B                     |           | B, R, TF         |
| Manchester Harbor |                   |                |      |               |               |          |                       |          |             |                       |           |                  |
| 22                | Manchester Harbor |                | F    | SU            | N, Se, Sh     |          |                       | H        | B, F, Pt, S | B, BR, MA, PH         |           | B, MS, R, TF     |

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|----------|---------------------------------|----------------|------|---------------|-----------|----------|-----------------------|----------|-------------|-----------------------|-----------|-----------------|
| 23       | Great Misery Island             |                |      |               | N, Se, Sh |          |                       |          | B           |                       |           | B, R            |
| 24       | Beverly Shoreline               |                |      |               |           |          |                       | H        | P           | B                     |           | B, R, TF        |
| 25       | Danvers River                   |                | A, F | LCS, SU       | Se, Sh    |          |                       | H        | B, F, Pt, S | AC, B, BR, MA         |           | B, MS, R, TF    |
| 26       | Beverly Harbor                  |                | F    | SU            | Se        |          |                       | H        | B, F, Pt, S | AC, B, BR, FE, MA, PH |           | B, R, TF        |
| 27       | Salem Harbor<br>South Salem     |                |      | SU            | Se        |          |                       | H        | B, F, Pt, S | B, BR, MA, PH, WI     |           | B, R, RR, TF    |
| 28       | Harbor                          |                |      | LCS, SU       | Se        |          |                       | H        | B, F, Pt, S | B, BR, CV, MA         |           | B, R, TF        |
| 29       | Marblehead Harbor<br>Swampscott |                |      | SU            | N, Se, Sh |          |                       | H        | B, Pt, S    | BR, MA, PH            |           | B, MS, R, TF    |
| 30       | Shoreline                       |                |      | SU            |           |          |                       | H        | Pt, S       | B, BR, PH             |           | B, R, TF        |
| 31       | Lynn Harbor                     |                | F    | LCS, SU       |           |          |                       | H        | F, Pt, S    | BR, MA, PH, WI        |           | R, TF           |
| 32       | Saugus River                    |                | F    | LCS           | Se, Sh    |          | Pr                    | H        | B, F, S     | BR, MA, RF, WI        | SMA       | MS, R, TF       |
| 33       | Pines River                     |                | F    | LCS           | Se, Sh    |          | Pr                    |          | B, F, S     | B, BR, Ma, RF         | SMA       | MS, R, TF       |
| 34       | Nahant                          | S              | F    | LCS, SU       | N, Se, Sh |          | BE, Pr                | H        | B, F, Pt, S | B, BR, PH, RF         |           | B, R, TF        |

## North Shore GRP - Site Selection Matrix Key

| Marine Mammals     | Fish  | Invertebrates   | Birds  | Reptiles   | Threat/Endang Species  | Cult Res            | Subsistence   | Human Use  | Land Mgt  | Coastal Habitat   |
|--------------------|---|---|--|------------|--|---------------------|---|--|---|---|
| S = Seals (Harbor) | A = Anadromous (alewives, herring, Atlantic Salmon)<br><br>F = Finfish (smelt, haddock) | LCS = Lobster, Crab, Shrimp<br><br>SU = Shellfish & Urchins (clams, mussels, quahogs) | BE = Bald Eagle<br><br>N = Nests<br><br>Se = Seabirds (terns, grebes, eiders, waterfowl)<br><br>Sh = Shorebirds (plovers, herons, glossy ibis, hudsonian godwit) | T = Turtle | BE = Bald Eagle<br><br>DB = Diamondback Terrapin<br><br>Pr = Plover<br><br>PbG = Pied-billed grebe<br><br>KR = Kemp's Ridley Turtle<br><br>RT = Roseate Tern | H = Historical Site | B = Birds<br><br>F = Fish<br><br>Pt = Plants<br><br>S = Shellfish | AC = Access<br><br>B = Beach<br><br>BR = Boat Ramp<br><br>CG = Coast Guard<br><br>CV = Culvert<br><br>FE = Ferry<br><br>MA = Marina<br><br>MF = Mooring Field<br><br>PH = Port or Harbor<br><br>RF = Recreational Fishing<br><br>WI = Water Intake | CH = Critical Habitat (Nat'l Heritage Program)<br><br>NWR = National Wildlife Refuge<br><br>SMA = State Management Area | B = Beach (sandy; often though not always w/ dunes)<br><br>MS = Marsh/Swamp<br><br>R = Rocky Shore (or man made structures)<br><br>RR = Riprap<br><br>TF = Tidal Flat |