**S1 Table.**

**Anthropogenic habitats facilitate dispersal of an early successional obligate: implications for restoration of an endangered ecosystem**

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**S1 Table. Optimal Resistance Values.** Resistance values determined for each study area from best fit of New England cottontail genetic data with least cost path cost distances. "X" indicates the feature was not present within the analysis extent.

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Feature** | **Kittery** | **Cape Elizabeth** |
| Development | Development (High) | 2 | 50 |
| Development (Med.) | 2 | 50 |
| Development (Low) | 2 | 50 |
| Development (Open) | 2 | 50 |
| Bare Land | 2 | 50 |
| Fields | Cultivated Crops | 10 | 2 |
| Pasture/Hay | 10 | 2 |
| Grassland | 10 | 2 |
| Forest | Forest (Deciduous) | 2 | 5 |
| Forest (Evergreen) | 2 | 5 |
| Forest (Mixed) | 2 | 5 |
| Wetlands | Palustrine Forested | 100 | 250 |
| Palustrine Scrub/Shrub | 1 | 1 |
| Palustrine Emergent | 1 | 1 |
| Estuarine Emergent | 5 | 2 |
| Water | Unconsolidated Shore | 10 | 2 |
| Open Water | 10 | 2 |
| Palustrine Aquatic | 10 | 2 |
| Estuarine Aquatic | 10 | 2 |
| Roads | Multi-lane highway (1) | 10 | NA |
| Primary Road (2) | 10 | NA |
| Secondary Road (3) | 10 | 50 |
| Improved (4) | 5 | 25 |
| Unimproved (5) | 5 | 25 |
| Trail (6) | 2 | NA |
| Scrub/Shrub | Scrub/Shrub | 1 | 1 |