Table 4. **Relative abundance of regenerating trees and shrubs in response to deer protection**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2004** | | | | **2005** | | | |  | **2010** | | |  |  | **2018** | |  | |
|  | **Inside** | | **Outside** | | **Inside** | | **Outside** | | **Inside** | | **Outside** | | | **Inside** | | **Outside** | | |
|  | **RF1** | **RD** | **RF** | **RD** | **RF** | **RD** | **RF** | **RD** | **RF** | **RD** | **RF** | **RD** | | **RF** | **RD** | **RF** | **RD** |
| Abies balsamea | 1% | 1% | 2% | 1% | 2% | 2% | 0% | 0% | 2% | 1% | 0% | | 0% | 5% | 6% | 0% | 0% | |
| Acer rubrum | 14% | 16% | 10% | 11% | 12% | 14% | 12% | 13% | 17% | 15% | 14% | | 16% | 19% | 24% | 21% | 24% | |
| Acer saccharum | 8% | 5% | 0% | 0% | 17% | 21% | 12% | 10% | 24% | 17% | 8% | | 6% | 28% | 25% | 11% | 9% | |
| Betula papyrifera | 3% | 2% | 8% | 8% | 7% | 5% | 3% | 2% | 20% | 40% | 14% | | 11% | 9% | 11% | 11% | 22% | |
| Carpinus caroliniana subsp. Virginiana | 2% | 5% | 2% | 3% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | | 0% | 0% | 0% | 0% | 0% | |
| Fraxinus americana | 0% | 0% | 2% | 1% | 0% | 0% | 8% | 6% | 1% | 0% | 3% | | 2% | 1% | 0% | 2% | 1% | |
| Fraxinus nigra | 0% | 0% | 0% | 0% | 0% | 0% | 1% | 0% | 1% | 1% | 5% | | 5% | 5% | 4% | 10% | 8% | |
| Larix laricina | 0% | 0% | 8% | 5% | 0% | 0% | 5% | 3% | 0% | 0% | 2% | | 1% | 0% | 0% | 5% | 3% | |
| Ostrya virginiana | 14% | 13% | 3% | 4% | 15% | 14% | 5% | 3% | 8% | 7% | 10% | | 21% | 8% | 7% | 9% | 8% | |
| Populus tremuloides | 23% | 32% | 29% | 32% | 14% | 15% | 28% | 38% | 4% | 4% | 12% | | 13% | 1% | 1% | 4% | 4% | |
| Quercus rubra | 30% | 22% | 25% | 24% | 23% | 19% | 19% | 16% | 15% | 10% | 14% | | 10% | 11% | 7% | 9% | 6% | |
| Tilia americana | 3% | 2% | 5% | 4% | 4% | 3% | 3% | 4% | 3% | 2% | 5% | | 4% | 7% | 4% | 6% | 4% | |

*1. Woody species with > 5% relative frequency. Relative frequency (RF) relative density (RD) presented for tree species.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **2004** | | | | **2005** | | | |  | **2010** | | |  |  | **2018** | |  | |
|  | **Inside** | | **Outside** | | **Inside** | | **Outside** | | **Inside** | | **Outside** | | | **Inside** | | **Outside** | | |
|  | **RF1** | **RD** | **RF** | **RD** | **RF** | **RD** | **RF** | **RD** | **RF** | **RD** | **RF** | **RD** | | **RF** | **RD** | **RF** | **RD** |
| Amelanchier sp. | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 5% | 2% | 1% | | 1% | 0% | 0% | 0% | 0% | |
| Carpinus caroliniana | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 14% | 10% | 1% | | 1% | 5% | 4% | 5% | 2% | |
| Cornus alternifolia | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | | 0% | 3% | 3% | 7% | 7% | |
| Cornus foemina | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | | 0% | 2% | 1% | 4% | 5% | |
| Corylus cornuta | 45% | 19% | 42% | 9% | 45% | 17% | 32% | 8% | 0% | 0% | 16% | | 17% | 30% | 23% | 30% | 25% | |
| Diervilla lonicera | 6% | 3% | 0% | 0% | 14% | 3% | 16% | 2% | 39% | 51% | 10% | | 15% | 25% | 38% | 19% | 31% | |
| Lonicera canadensis | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | | 0% | 5% | 4% | 0% | 0% | |
| Prunus virginiana | 0% | 0% | 0% | 0% | 1% | 0% | 0% | 0% | 5% | 2% | 1% | | 1% | 0% | 0% | 0% | 0% | |
| Rubus idaeus | 31% | 73% | 44% | 89% | 0% | 0% | 0% | 0% | 0% | 0% | 0% | | 0% | 0% | 0% | 0% | 0% | |

*1. Woody species with > 5% relative frequency. Relative frequency (RF) relative density (RD) presented for shrub species.*