Supplemental File for Wright and Gorchov submission to IPSM

Table A.1. Total number of twigs in the 0.3- 1.7 m height range in quadrats, number of these twigs with evidence of early- to mid-growing season browse by deer, proportion of twigs browsed for each woody species, and proportion of browsed twigs comprised of each woody species (ri in Equation 2) at each site. All species, excluding *L. maackii*, were classified as more-preferred species (MPS) or less-preferred species (LPS) (Tables A.2, A.3).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Site: Davidson Woods | Total Twigs | Twigs Browsed | Prop. Browsed | Prop. of Browse  |
|  | *L. maackii* | 4112 | 222 | 0.05 | 0.71 |
| MPS | *A. saccharum*  | 112 | 19 | 0.17 | 0.06 |
|  | *F. quadrangulata* | 171 | 18 | 0.11 | 0.06 |
|  | *F. americana* | 74 | 10 | 0.14 | 0.03 |
|  | *R. multiflora* | 13 | 6 | 0.46 | 0.02 |
|  | *Q. muehlenbergii* | 13 | 1 | 0.08 | 0.00 |
|  | *U. americana* | 12 | 7 | 0.58 | 0.02 |
| LPS | *C. cordiformis*  | 4 | 1 | 0.25 | 0.00 |
|  | *P. serotina* | 253 | 28 | 0.11 | 0.09 |
|  | *Q. bicolor* | 1 | 0 | 0.00 | 0.00 |
|  | *T. radicans* | 3 | 0 | 0.00 | 0.00 |
| Totals |  | 4768 | 312 |  |  |
| Site: Hueston Woods | Total Twigs | Twigs Browsed | Prop. Browsed | Prop. of Browse |
|  | *L. maackii* | 470 | 85 | 0.18 | 0.42 |
| MPS | *A. saccharum*  | 43 | 14 | 0.33 | 0.07 |
|  | *C. occidentalis* | 6 | 3 | 0.50 | 0.01 |
|  | *F. americana* | 64 | 17 | 0.27 | 0.08 |
|  | *F. quadrangulata* | 31 | 6 | 0.19 | 0.03 |
|  | *Smilax* spp*.* | 60 | 41 | 0.68 | 0.20 |
|  | *U. americana* | 4 | 2 | 0.50 | 0.01 |
| LPS | *A. triloba* | 33 | 0 | 0.00 | 0.00 |
|  | *C. cordiformis* | 7 | 0 | 0.00 | 0.00 |
|  | *F. grandifolia* | 66 | 10 | 0.15 | 0.05 |
|  | *L. benzoin* | 74 | 0 | 0.00 | 0.00 |
|  | *P. serotina* | 172 | 26 | 0.15 | 0.13 |
| Totals |  | 1030 | 204 |  |  |
| Site: Miami Whitewater East | Total Twigs | Twigs Browsed | Prop. Browsed | Prop. of Browse |
|  | *L. maackii* | 675 | 183 | 0.27 | 0.61 |
| MPS | *A. saccharum*  | 44 | 13 | 0.30 | 0.04 |
|  | *C. occidentalis* | 7 | 3 | 0.43 | 0.01 |
|  | *F. americana* | 31 | 7 | 0.23 | 0.02 |
|  | *L. japonica* | 2 | 0 | 0.00 | 0.00 |
|  | *R. multiflora* | 73 | 42 | 0.58 | 0.14 |
|  | *R. pseudoacacia* | 23 | 18 | 0.78 | 0.06 |
|  | *Rubus* spp*.*  | 27 | 9 | 0.33 | 0.03 |
|  | *U. americana* | 12 | 8 | 0.67 | 0.03 |
| LPS | *A. triloba* | 48 | 0 | 0.00 | 0.00 |
|  | *L. benzoin* | 9 | 0 | 0.00 | 0.00 |
|  | *P. serotina* | 146 | 17 | 0.12 | 0.06 |
| Totals |  | 1097 | 300 |  |  |
| Site: Miami Whitewater West | Total Twigs | Twigs Browsed | Prop. Browsed | Prop.of Browse  |
|  | *L. maackii* | 186 | 123 | 0.66 | 0.45 |
| MPS | *A. saccharum*  | 199 | 9 | 0.05 | 0.03 |
|  | *C. occidentalis* | 31 | 9 | 0.29 | 0.03 |
|  | *F. americana* | 34 | 2 | 0.06 | 0.01 |
|  | *R. multiflora* | 1 | 0 | 0.00 | 0.00 |
|  | *Rubus* spp*.*  | 6 | 0 | 0.00 | 0.00 |
|  | *U. americana* | 27 | 16 | 0.59 | 0.06 |
|  | *U. rubra* | 3 | 0 | 0.00 | 0.00 |
| LPS | *A. negundo* | 25 | 5 | 0.20 | 0.02 |
|  | *A. triloba* | 98 | 0 | 0.00 | 0.00 |
|  | *E. umbellata* | 5 | 0 | 0.00 | 0.00 |
|  | *F. grandifolia* | 89 | 4 | 0.04 | 0.01 |
|  | *L. benzoin* | 2120 | 100 | 0.05 | 0.36 |
|  | *P. quinquefolia* | 5 | 2 | 0.40 | 0.01 |
|  | *P. serotina* | 11 | 6 | 0.55 | 0.02 |
|  | *T. radicans* | 1 | 0 | 0.00 | 0.00 |
| Totals |  | 2841 | 276 |  |  |
| Site: Mount Airy | Total Twigs | Twigs Browsed | Prop. Browsed | Proportion of Browse  |
|  | *L. maackii* | 1714 | 120 | 0.07 | 0.38 |
| MPS | *A. saccharum*  | 28 | 13 | 0.46 | 0.04 |
|  | *C. occidentalis* | 290 | 175 | 0.60 | 0.55 |
|  | *E. alatus* | 4 | 0 | 0.00 | 0.00 |
|  | *F. americana* | 17 | 1 | 0.06 | 0.00 |
|  | *Rubus* spp. | 3 | 3 | 1.00 | 0.01 |
|  | *U. americana* | 7 | 4 | 0.57 | 0.01 |
| LPS | *A. triloba* | 64 | 0 | 0.00 | 0.00 |
|  | *L. benzoin* | 47 | 2 | 0.04 | 0.01 |
| Totals |  | 2714 | 318 |  |  |
| Site: Stanbery Park | Total Twigs | Twigs Browsed | Prop. Browsed | Prop. of Browse  |
|  | *L. maackii* | 4071 | 152 | 0.04 | 0.53 |
| MPS | *A. saccharum*  | 126 | 19 | 0.15 | 0.07 |
|  | *C. occidentalis* | 35 | 25 | 0.71 | 0.09 |
|  | *E. alatus* | 130 | 36 | 0.28 | 0.13 |
|  | *F. americana* | 22 | 7 | 0.32 | 0.02 |
|  | *F. quadrangulata* | 3 | 0 | 0.00 | 0.00 |
|  | *L. japonica* | 26 | 1100 | 0.42 | 0.04 |
|  | *L. vulgare* | 72 | 5 | 0.07 | 0.02 |
|  | *R. multiflora* | 6 | 5 | 0.83 | 0.02 |
|  | *U. americana* | 3 | 0 | 0.00 | 0.00 |
|  | *V. dentatum*  | 129 | 21 | 0.16 | 0.07 |
|  | *Vitis* spp*.* | 12 | 6 | 0.50 | 0.02 |
| LPS | *A. glabra* | 1 | 0 | 0.00 | 0.00 |
|  | *A. negundo* | 1 | 0 | 0.00 | 0.00 |
|  | *A. triloba* | 22 | 0 | 0.00 | 0.00 |
|  | *C. cordiformis* | 1 | 0 | 0.00 | 0.00 |
|  | *E. fortunei* | 1 | 0 | 0.00 | 0.00 |
|  | *L. benzoin* | 76 | 0 | 0.00 | 0.00 |
|  | *P. serotina* | 6 | 0 | 0.00 | 0.00 |
| Totals |  | 4743 | 287 |  |  |
| Site: Taylorsville Metropark | Total Twigs | Twigs Browsed | Prop. Browsed | Prop. of Browse  |
|  | *L. maackii* | 2876 | 267 | 0.09 | 0.76 |
| MPS | *A. flava* | 6 | 3 | 0.5 | 0.01 |
|  | *A. saccharum*  | 12 | 2 | 0.17 | 0.01 |
|  | *C. occidentalis* | 48 | 12 | 0.25 | 0.03 |
|  | *F. americana* | 117 | 17 | 0.15 | 0.05 |
|  | *F. quadrangulata* | 227 | 22 | 0.1 | 0.06 |
|  | *L. tulipifera* | 11 | 2 | 0.18 | 0.01 |
|  | *Rubus* spp*.* | 7 | 1 | 0.14 | 0.00 |
|  | *Smilax* spp*.* | 15 | 11 | 0.73 | 0.03 |
|  | *U. americana* | 14 | 7 | 0.5 | 0.02 |
| LPS | *A. negundo* | 6 | 5 | 0.83 | 0.01 |
|  | *A. triloba* | 8 | 0 | 0.00 | 0.00 |
|  | *T. radicans* | 5 | 1 | 0.2 | 0.00 |
| Totals |  | 3352 | 350 |  |  |
| Site: Winton Woods | Total Twigs | Twigs Browsed | Prop. Browsed | Prop. of Browse  |
|  | *L. maackii* | 698 | 140 | 0.20 | 0.50 |
| MPS | *A. saccharum*  | 36 | 5 | 0.14 | 0.02 |
|  | *C. occidentalis* | 62 | 13 | 0.21 | 0.04 |
|  | *E. alatus* | 120 | 61 | 0.51 | 0.20 |
|  | *F. americana* | 5 | 0 | 0.00 | 0.00 |
|  | *R. pseudoacacia* | 9 | 6 | 0.67 | 0.02 |
|  | *Rubus* spp*.* | 28 | 4 | 0.14 | 0.01 |
|  | *Smilax* spp*.* | 8 | 5 | 0.62 | 0.02 |
|  | *U. americana* | 46 | 24 | 0.52 | 0.08 |
|  | *U. rubra* | 62 | 18 | 0.29 | 0.06 |
| LPS | *A. negundo* | 2 | 0 | 0 | 0.00 |
|  | *A. triloba* | 29 | 0 | 0 | 0.00 |
|  | *F. grandifolia* | 18 | 0 | 0 | 0.00 |
|  | *L. benzoin* | 19 | 0 | 0 | 0.00 |
|  | *P. quinquefolia* | 11 | 2 | 0.18 | 0.01 |
|  | *P. serotina* | 378 | 34 | 0.09 | 0.11 |
|  | *T. radicans* | 1 | 0 | 0 | 0.00 |
| Total |  | 1532 | 312 |  |  |