Supplemental File for Wright and Gorchov submission to IPSM

Table A.2. Electivity (Ei ) value of each woody species at each site (see Table 1 for full names of each species). Cells are shaded according to how much higher or lower the electivity value is compared to *L. maackii* electivity at the same site. Species were assigned to two categories based on whether they had higher or lower electivity values compared to *L. maackii* at the majority of the sites. Three taxa, *F. americana, Rubus* spp., and *U. rubra*, had higher electivity than *L.maackii* at some sites and lower at other sites. All were classified as ‘more preferred’ based on electivity values at sites where they were more abundant (Wright 2017).

|  |  |  |  |
| --- | --- | --- | --- |
| More preferred than *L. maackii*  by a difference of: | | Less preferred than *L. maackii*  by a difference of: | |
|  | >0.2 |  | >0.2 |
|  | ≤0.2 |  | ≤0.2 |
|  | ≤0.1 |  | ≤0.1 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | **Davidson Woods** | **Hueston**  **Woods** | **Miami Whitewater- East** | **Miami Whitewater-West** | **Mt. Airy** | **Stanbery Park** | **Taylorsville Metropark** | **Winton Woods** |
| ***L. maackii*** | | **-0.53** | **-0.15** | **-0.06** | **0.57** | **-0.63** | **-0.66** | **-0.52** | **0.00** |
| More-Preferred Species | *A. saccharum* | -0.02 | 0.14 | -0.02 | -0.6 | 0.19 | -0.27 | -0.09 | -0.18 |
| *A. flava* |  |  |  |  |  |  | 0.27 |  |
| *C. occidentalis* |  | 0.34 | 0.16 | 0.233 | 0.32 | 0.59 | -0.08 | 0.03 |
| *E. alatus* |  |  |  |  | -1 | 0.2 |  | 0.44 |
| *F. americana* | -0.13 | 0.044 | -0.15 | -0.51 | -0.68 | 0.27 | -0.34 | -1 |
| *F. quadrangulata* | -0.25 | -0.12 |  |  |  | -1 | -0.51 |  |
| *L. vulgare* |  |  |  |  |  | -0.45 |  |  |
| *L. tulipifera* |  |  |  |  |  |  | -0.08 |  |
| *L. japonica* |  |  | -1 |  |  | 0.4 |  |  |
| *Q. muhlenbergii* | -0.39 |  |  |  |  |  |  |  |
| *R. pseudoacacia* |  |  | 0.44 |  |  |  |  | 0.54 |
| *R. multiflora* |  |  | 0.3 | -1 |  | 0.64 |  |  |
| *Rubus* spp. |  |  | 0.04 | -1 | 0.52 |  | -0.35 | -0.16 |
| *Smilax* spp. |  | 0.47 |  |  |  |  | 0.43 | 0.52 |
| *U. americana* | 0.53 | 0.34 | 0.37 | 0.53 | 0.29 | -1 | 0.26 | 0.45 |
| *U. rubra* |  |  |  | -1 |  |  |  | 0.19 |
| *V. dentatum* |  |  |  |  |  | -0.06 |  |  |
| Vitis spp. |  |  |  |  |  | 0.46 |  |  |
| Less-Preferred Species | *A. negundo* |  |  |  | 0.05 |  | -1 | 0.48 | -1 |
| *A. glabra* |  |  |  |  |  | -1 |  |  |
| *A. triloba* | -1 | -1 | -1 | -1 | -1 |  |  | -1 |
| *C. cordiformis* | 0.17 | -1 |  |  |  | -1 |  |  |
| *E. fortunei* |  |  |  |  |  | -1 |  |  |
| *E. umbellata* |  |  |  | -1 |  |  |  |  |
| *F. grandifolia* |  |  |  | -0.6 |  |  |  | -1 |
| *L. benzoin* |  | -1 | -1 | -0.59 | -0.76 | -1 |  | -1 |
| *P. quinquefolia* |  |  |  | 0.38 |  |  |  | -0.04 |
| *P. serotina* | -0.23 | -0.23 | -0.45 | 0.5 |  | -1 |  | -0.37 |
| *Q.bicolor* | -1 |  |  |  |  |  |  |  |
| *T. radicans* | -1 |  |  | -1 |  |  | -0.19 | -1 |