**S1 Table. Changes in island properties for each successional class across the island size gradient.** Values in brackets are standard errors of the mean. Values followed by the same letter in subscript indicate no significant difference at P < 0.05. (2,27 d.f.; n=10 for each size class).

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | | | |  | |
| **Island Properties** | | **Large Island**  **(>1.0 ha)** | **Medium Island**  **(0.1-1.0 ha)** | | **Small Island**  **(<0.1 ha)** | | **F (P)** | |
|  | |  | |  |  | |  | |
| **Humus depth (cm)** | | 28.4 (2.1)a | | 42.4 (4.6)b | 65.9 (4.6)c | | 22.66 (0.000) | |
| **Bulk Density (g/cm3)** | | 0.15 (0.02)a | | 0.11 (0.01)ab | 0.08 (0.00)b | | 0.53 (0.02) | |
| **pH** | | 3.9 (0.1)a | | 3.7 (0.0)a | 3.8 (0.1)a | | 0.94 (0.404) | |
| **%C** | | 30.7(5.8)a | | 42.0 (5.0)a | 53.5 (0.3)b | | 6.67 (0.004) | |
| **%N** | | 0.7 (0.1)a | | 1.2 (0.2)b | 1.7 (0.1)c | | 13.56 (0.000) | |
| **%P** | | 0.06 (0.01)a | | 0.07 (0.00)a | 0.07 (0.00)a | | 1.03 (0.371) | |
| **C:N** | | 41.6 (1.3)a | | 36.6 (1.7)b | 32.7 (1.2)b | | 9.62 (0.001) | |
| **N:P** | | 12.1 (2.1)a | | 16.7 (2.3)a | 25.3 (1.6)b | | 11.11 (0.000) | |
| **C:P** | | 516.6 (99.9)a | | 583.5 (66.4)a | 813.0 (33.6)b | | 4.67 (0.018) | |