**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).

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| --- | --- | --- |
|  |  |  |
| **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) |