Table 2: Analysis of metacommunity structure based on three attributes (coherence, species turnover and boundary clumping) of epifaunal taxa in Barkley Sound, British Columbia. Significant results (P < 0.05) are in bold.

time C (9 sites). sitesC gives site-level analysis (n = 9 sites) and plotsC gives a plot-level analysis (n = 145).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Site** | **Coherence** | |  |  |  | **Turnover** | |  |  |  | **Boundary** | |  | **Structure** |
|  | Abs | z | P | Mean | SD | Rep | z | P | Mean | SD | I | P | df |  |
| **9 sites** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| July | 48 | 3.26 | **< 0.01** | 74.50 | 8.14 | 475 | 0.62 | 0.53 | 587.97 | 181.30 | 3.3 | **< 0.01** | 32 | Clementsian |
| July (dfw) | 114 | -4.93 | **< 0.01** | 74.83 | 7.95 |  |  |  |  |  |  |  |  | Checkerboard |
| July (area) | 115 | -4.83 | **< 0.01** | 74.25 | 8.44 |  |  |  |  |  |  |  |  | Checkerboard |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **5 sites** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| May | 26 | 0.67 | 0.50 | 29.01 | 4.47 |  |  |  |  |  |  |  |  | Random |
| July | 11 | 2.67 | **< 0.01** | 21.24 | 3.83 | 170 | 0.49 | 0.62 | 201.23 | 63.31 | 0 | 0.22 | 29 | Gleasonian |
| Aug | 26 | 1.87 | 0.06 | 35.00 | 4.81 |  |  |  |  |  |  |  |  | Random |
| Times pooled | 22 | 0.63 | 0.53 | 24.53 | 4.01 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Grazers | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **9 sites** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| July | 16 | 1.04 | 0.30 | 20.30 | 4.13 |  |  |  |  |  |  |  |  | Random |
| July (dfw) | 32 | -2.67 | **< 0.01** | 20.69 | 4.24 |  |  |  |  |  |  |  |  | Checkerboard |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Crustaceans | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| July | 18 | 2.09 | **0.04** | 27.66 | 4.61 | 91 | 1.19 | 0.23 | 156.43 | 54.82 | 2.3 | **< 0.01** | 15 | Clementsian |
| July (dfw) | 45 | -3.74 | **< 0.01** | 27.97 | 4.55 |  |  |  |  |  |  |  |  | Checkerboard |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gastropods | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| July | 5 | 1.41 | 0.16 | 9.51 | 3.19 |  |  |  |  |  |  |  |  | Random |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |