Appendix 1. Plot characteristics and uncorrected carbon storage estimates (representing the average of two replicate cores wherever possible). Missing data indicate results which were highly uncertain (e.g. unable to obtain geographic coordinates, unable to penetrate sediment with coring device, entire core full of driftwood, etc.)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Plot | Aboveground Biomass  (kg·Ha-1) | Tree Density (103 trees·Ha-1) | Maximum Core Length (cm) | Sediment Carbon Storage (kg·m-3) | Distance to Estuarine Edge (m) |
| Nat A 1 | 126506 | 15408 | 83 | 29.86 | 70 |
| Nat A 2 | 91494 | 816 | 83 |  | 70 |
| Nat A 3 | 27973 | 17500 | 89 | 38.91 | 90 |
| Nat A 4 | 68137 | 13929 | 89 | 40.71 | 10 |
| Nat A 5 | 7407 | 612 | 89 | 19.03 | 10 |
| Nat A 6 | 37231 | 20000 | 83 | 39.03 | 30 |
| Nat B 1 | 191671 | 10064 | 89 | 30.26 | 50 |
| Nat B 2 | 88247 | 10204 | 71 | 32.64 | 260 |
| Nat B 3 | 385796 | 928 | 77 | 35.53 | 100 |
| Nat B 4 | 30204 | 2908 |  |  |  |
| Nat B 5 | 136228 | 816 | 89 | 48.3 | 40 |
| Nat B 6 | 165729 | 612 | 89 | 62.86 | 50 |
| Nat C 1 | 66118 | 408 | 95 | 43.7 | 310 |
| Nat C 2 | 13112 | 612 | 77 | 34.51 | 110 |
| Nat C 3 | 56981 | 2564 | 89 | 41.42 | 140 |
| Nat C 4 | 44263 | 408 | 71 | 32.49 | 110 |
| Nat C 5 | 13000 | 600 |  |  |  |
| Nat C 6 | 127711 | 80 | 53 | 30.82 | 420 |
| Rest A 1 | 20478 | 7500 | 89 | 49.47 | 230 |
| Rest A 2 | 16115 | 22500 | 71 | 59.94 | 100 |
| Rest A 3 | 38491 | 12500 | 83 | 60.8 | 200 |
| Rest A 4 | 37321 | 10000 | 35 | 15.21 | 230 |
| Rest A 5 | 19423 | 20000 | 59 | 29.14 | 230 |
| Rest A 6 | 33161 | 35000 | 95 | 38.57 | 90 |
| Rest A 7 | 12452 | 7500 | 83 | 41.0 | 140 |
| Rest B 1 | 78615 | 5204 | 95 | 46.25 | 10 |
| Rest B 2 | 20000 | 59932 | 89 | 41.74 | 30 |
| Rest B 3 | 26394 | 15000 |  |  |  |
| Rest B 4 | 27342 | 3316 | 47 | 33.43 | 50 |
| Rest B 5 | 38431 | 27500 | 83 | 56.83 | 70 |
| Rest B 6 | 28392 | 62500 |  |  |  |
| Aff 1 | 109189 | 5816 | 89 | 39.58 | 110 |
| Aff 2 | 56845 | 5612 | 83 | 49.32 | 110 |
| Aff 3 | 21311 | 3316 | 89 | 34.92 | 110 |
| Aff 4 | 63847 | 3316 | 65 | 35.26 | 230 |
| Aff 5 | 30796 | 3112 | 89 | 55.08 | 190 |
| Aff 6 | 277984 | 7908 | 89 | 55.01 | 150 |

Appendix 2. Total aboveground biomass is correlated with patch location. All sites follow the equation biomass = -0.139(distance) + 65.5, with a confounding effect of 142.1 for site Nat B.

