Supplementary Table 1. Counts of diatom species for the Ishiba Ngandu core.

Abbreviations: *Ac., Achnanthidium An., Anomoeoneis Au., Aulacoseira En., Encyonema Eu., Eunotia*

 *Fr., Frustulia Na., Navicula Pi., Pinnularia Su., Surrirella*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Core depth (cm) | *Au. granulata* | *Au. agassizii* | *Ac. minutisiumum* | *En. gracilis* | *En.* cf. *hebridica* | *Pi. tropica* | *Pi. braunii*var. *amphicephala* | *Fs. rhomboides* | *Eu.* cf. *bilunaris*  | *Eu. tenella* | *Eu.* cf. *suecica*  | *An. serians*var. *bdrachysira* | *Na. radiosa* | *Na.* cf. *schroeri*  | *Su. engleri* | Other |
| 0 | 246 | 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 20 | 288 | 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 40 | 162 | 117 | 0 | 0 | 0 | 1 | 0 | 9 | 3 | 2 | 2 | 3 | 0 | 0 | 0 | 11 |
| 60 | 275 | 22 | 0 | 5 | 0 | 7 | 0 | 4 | 6 | 3 | 1 | 1 | 0 | 0 | 0 | 9 |
| 80 | 70 | 16 | 0 | 7 | 0 | 8 | 0 | 78 | 18 | 3 | 1 | 59 | 5 | 0 | 0 | 37 |
| 100 | 74 | 2 | 3 | 21 | 0 | 2 | 7 | 73 | 20 | 1 | 2 | 66 | 9 | 0 | 0 | 21 |
| 120 | 67 | 0 | 1 | 26 | 0 | 0 | 4 | 75 | 20 | 8 | 3 | 86 | 9 | 0 | 0 | 13 |
| 140 | 66 | 2 | 1 | 19 | 0 | 0 | 2 | 63 | 24 | 3 | 3 | 105 | 8 | 0 | 2 | 17 |
| 160 | 52 | 3 | 3 | 54 | 0 | 3 | 7 | 61 | 23 | 9 | 5 | 81 | 18 | 0 | 1 | 21 |
| 180 | 142 | 3 | 0 | 21 | 2 | 0 | 2 | 49 | 18 | 9 | 9 | 50 | 6 | 0 | 2 | 15 |
| 200 | 72 | 11 | 0 | 17 | 0 | 2 | 10 | 61 | 17 | 12 | 8 | 59 | 19 | 0 | 0 | 17 |
| 220 | 73 | 11 | 6 | 12 | 0 | 3 | 7 | 60 | 21 | 12 | 18 | 56 | 8 | 0 | 5 | 21 |
| 240 | 4 | 5 | 5 | 15 | 0 | 11 | 23 | 92 | 23 | 13 | 6 | 62 | 17 | 0 | 7 | 36 |
| 260 | 27 | 8 | 30 | 32 | 0 | 3 | 15 | 45 | 16 | 9 | 9 | 56 | 31 | 0 | 12 | 20 |
| 280 | 54 | 12 | 60 | 16 | 0 | 7 | 10 | 43 | 7 | 11 | 28 | 52 | 22 | 0 | 3 | 10 |
| 300 | 14 | 16 | 43 | 9 | 0 | 1 | 1 | 19 | 7 | 7 | 1 | 104 | 86 | 0 | 2 | 6 |
| 320 | 1 | 0 | 130 | 10 | 0 | 0 | 0 | 12 | 91 | 23 | 0 | 23 | 4 | 0 | 0 | 16 |
| 340 | 2 | 0 | 183 | 3 | 0 | 0 | 0 | 3 | 80 | 13 | 0 | 13 | 3 | 0 | 0 | 12 |
| 360 | 36 | 24 | 40 | 18 | 0 | 4 | 1 | 74 | 8 | 3 | 10 | 53 | 36 | 0 | 0 | 6 |
| 380 | 27 | 4 | 25 | 15 | 0 | 0 | 0 | 85 | 21 | 2 | 0 | 42 | 57 | 0 | 0 | 25 |
| 400 | 76 | 11 | 26 | 9 | 2 | 2 | 1 | 42 | 34 | 7 | 3 | 58 | 33 | 0 | 0 | 11 |
| 420 | 50 | 6 | 51 | 7 | 6 | 0 | 0 | 29 | 34 | 10 | 4 | 64 | 31 | 0 | 0 | 12 |
| 440 | 97 | 5 | 9 | 8 | 9 | 0 | 2 | 60 | 37 | 18 | 3 | 27 | 31 | 0 | 0 | 11 |
| 460 | 94 | 11 | 27 | 4 | 9 | 11 | 1 | 39 | 30 | 29 | 5 | 39 | 11 | 0 | 0 | 8 |
| 480 | 61 | 6 | 6 | 10 | 10 | 12 | 3 | 36 | 75 | 56 | 0 | 29 | 9 | 1 | 0 | 11 |
| 500 | 121 | 16 | 7 | 5 | 29 | 2 | 2 | 14 | 53 | 28 | 0 | 25 | 9 | 3 | 0 | 15 |
| 530 | 80 | 9 | 12 | 3 | 4 | 3 | 1 | 45 | 31 | 3 | 7 | 82 | 4 | 19 | 0 | 19 |