Table S1

The environmental characteristics according to tree species and depths in NSPSF. All values shown are mean ± SE. DO: dissolved oxygen; TN: total nitrogen; TP: total phosphorus; TPC: total phenolic content.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tree species and depth**  | **Water pH** | **Peat pH** | **Organic carbon content** **(%)** | **DO (mg/ℓ)** | **TN (%)** | **TP (µg/g)** | **TPC** **(mg TAE/ g)** | **C/ N ratio** |
| **H2O** | **CaCl2** |
| *Eleiodoxa*0 cm45 cm90 cm | 3.45 ± 0.05 3.40 ± 0.08 3.09 ± 0.02  | 3.41 ± 0.113.29 ± 0.083.35 ± 0.01 | 2.72 ± 0.172.52 ± 0.062.50 ± 0.04 | 55.23 ± 0.3756.25 ± 0.3456.51 ± 0.30 | 1.63 ± 0.030.80 ± 0.090.56 ± 0.03  | 1.93 ± 0.20 1.60 ± 0.09 1.17 ± 0.14  | 214.27 ± 9.03 128.57 ± 8.29 53.78 ± 9.67  | 78.99 ± 26.89 213.00 ± 43.54 276.29 ± 46.59  | 29.28 ± 3.0335.41 ± 2.2249.71 ± 5.79 |
| *Koompassia*0 cm45 cm90 cm | 3.53 ± 0.093.35 ± 0.203.14 ± 0.20 | 3.44 ± 0.033.62 ± 0.163.43 ± 0.09 | 2.71 ± 0.032.75 ± 0.162.65 ± 0.11 | 55.67 ± 0.5854.10 ± 0.7455.71 ± 0.87 |  1.63 ± 0.031.05 ± 0.110.77 ± 0.15 | 1.85 ± 0.071.56 ± 0.091.12 ± 0.23 | 230.77 ± 19.96 151.90 ± 19.98 103.13 ± 16.76  | 117.30 ± 2.94213.82 ± 5.61226.43 ± 39.49 | 30.12 ± 1.09 34.92 ± 2.6455.17 ± 13.05 |
| *Shorea*0 cm45 cm90 cm | 3.49 ± 0.053.29 ± 0.093.28 ± 0.11 | 3.41 ± 0.113.51 ± 0.063.36 ± 0.17 | 2.92 ± 0.212.70 ± 0.062.55 ± 0.18 | 55.61 ± 0.4955.07 ± 0.5355.95 ± 0.86 | 1.67 ± 0.071.01 ± 0.170.59 ± 0.02 | 2.12 ± 0.151.73 ± 0.091.32 ± 0.24 | 224.23 ± 4.60146.07 ± 10.4065.54 ± 40.73 | 119.83 ± 35.58198.12 ±14.78243.97 ± 52.38 | 26.55± 1.2232.07 ± 1.2145.10 ± 4.84 |