|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Distance | **1 m** | | **3 m** | | **6 m** | | **10 m** | | **20 m** | |
| Bank | **Enhanced** | **Depleted** | **Enhanced** | **Depleted** | **Enhanced** | **Depleted** | **Enhanced** | **Depleted** | **Enhanced** | **Depleted** |
| Bulk δ15N | 7.4(2.3) | 7.2(1.9) | 9.2(1.0) | 7.8(2.2) | 8.5(1.9) | 6.9(1.2) | 8.2(1.5) | 7.3(1.6) | 6.5(1.0) | 6.6(1.2) |
| Bulk δ13C | -27.1(0.6) | -27.2(0.4) | -26.9(0.5) | -27.1(0.6) | -26.6(0.5) | -26.7(0.3) | -26.5(0.5) | -26.6(0.3) | -26.4(0.5) | -26.4(0.4) |
| δ15N of NH4+ | 10.1(1.8) | 8.7(2.8) | 16.2(10.7) | 8.5(2.5) | 13.3(10.5) | 6.3(2.8) | 8.4(2.5) | 5.8(2.9) | 6.1(2.3) | 6.5(3.3) |
| [NH4+] | 47.5 (91.6) | 22.3(16.4) | 62.9(101.5) | 10.6(9.4) | 52.5(82.8) | 11.0(12.7) | 12.3(13.1) | 11.5(8.2) | 8.6(4.4) | 13.2(11.6) |
| [NO3-] | 6.0(5.4) | 3.4(4.4) | 10.8(13.5) | 4.3(4.7) | 7.6(8.0) | 3.3(2.8) | 2.4(2.3) | 4.0(4.2) | 2.8(2.8) | 1.7(1.2) |
| Net Mineralization | 2.8(2.0) | 1.8(1.2) | 4.4(5.2) | 1.1(1.0) | 2.1(3.6) | 3.0(3.6) | 1.2(1.1) | 1.4(1.0) | 1.1(1.5) | 2.3(1.9) |
| Net Nitrification | 1.7(1.6) | 1.2(1.4) | 3.4(4.5) | 0.8(1.2) | 2.8(2.9) | 1.7(1.9) | 1.0(0.9) | 1.4(0.8) | 0.6(0.7) | 1.6(1.9) |
| [NOrg] | 4,477(925) | 3,909(1,241) | 3,692(1,677) | 3,991(1,534) | 3,600(1,346) | 3,934(1,734) | 2,637(1,265) | 3,734(1,799) | 1,920(654) | 2,822(1,137) |
| GW | 2.6(1.1) | 3.2(1.6) | 2.4(1.5) | 2.2(1.1) | 2.2(1.5) | 2.8(2.2) | 1.5(0.9) | 2.6(1.8) | 1.4(0.6) | 1.9(0.8) |
| C:N | 11.9(1.4) | 11.2(1.1) | 11.7(1.6) | 10.9(1.5) | 12.8(2.2) | 12.1(2.7) | 14.2(1.7) | 12.1(1.9) | 17.0(2.0) | 14.1(3.0) |