**Supplementary data 1.** Abiotic variables measured during the study.

Datos suplementarios 1. Variables abióticas medidas durante el estudio

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2010 | 2011 | 2012 |
| Variable | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb |
| TOM | 16.1 | 17.9 | 15.4 | 17.5 | 16.4 | 15.2 | 17.3 | 18.2 | 18.8 | 18.7 | 18.9 | 19.5 | 20.4 | 19.2 | 19.1 | 17.9 | 19.7 | 19.8 | 20.0 | 19.7 | 19.2 |
| S/C | 79.5 | 74.6 | 66.0 | 81.8 | 83.7 | 62.6 | 74.7 | 76.7 | 83.0 | 67.7 | 77.8 | 82.9 | 77.5 | 73.9 | 77.4 | 83.2 | 76.7 | 80.9 | 80.3 | 91.1 | 80.5 |
| Chl a | 5.2 | 4.1 | 2.2 | 4.9 | 2.5 | 2.9 | 4.0 | 0.8 | 0.5 | 1.2 | 1.2 | 3.0 | 1.5 | 1.5 | 1.3 | 1.5 | 2.6 | 2.8 | 4.0 | 0.9 | 1.2 |
| DIN | <7.3 | <4 | <3.7 | <3.8 | <3.7 | <3.7 | <3.7 | <4.1 | <3.7 | <3.7 | <3.7 | <4.6 | nm | <1.8 | nm | <4.1 | nm | <1.7 | nm | <3.5 | nm |
| N-NO3 | 4 | 0.7 | \* | 0.5 | \* | \* | \* | 0.9 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* |
| N-NO2 | \* | \* | 0.08 | 0.08 | 0.1 | \* | \* | \* | 0.08 | \* | \* | \* | 0.06 | 0.04 | 0.1 | 0.09 | 0.29 | 0.18 | \* | \* | 0.08 |
| N-NH4 | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | \* | 4.5 | nm | 1.6 | nm | 3.9 | nm | 1.4 | nm | 3.4 | nm |
| P-PO4 | \* | 0.6 | \* | 0.8 | \* | 0.6 | \* | \* | \* | \* | \* | 0.2 | \* | \* | 0.5 | 0.1 | 0.7 | 0.9 | 0.2 | \* | \* |

Asterisks represent the values below quantification limits (QL) of the analytical procedure used. QL from June 2010 to April 2011 were N-NO3: 0.4 µM; N-NO2: 0.07 µM; N-NH4: 3.2 µM; and P-PO4: 0.5 µM. QL from May 2011 to February 2012 were N-NO3: 0.1 µM; N-NO2: 0.01 µM; N-NH4: 0.6 µM; and P-PO4: 0.1 µM. nm: not measure. TOM: Total organic matter, GS: Grain size, Chlorophyll a: Chl a, DIN: Dissolved inorganic nitrogen.

Los asteriscos representan valores por debajo de los límites de cuantificación (LC) de los procedimientos analíticos utilizados. LC desde junio de 2010 hasta abril de 2011 fueron N-NO3: 0.4 µM; N-NO2: 0.07 µM; N-NH4: 3.2 µM; and P-PO4: 0.5 µM. LC desde mayo de 2011 hasta febrero de 2012 fueron N-NO3: 0.1 µM; N-NO2: 0.01 µM; N-NH4: 0.6 µM; and P-PO4: 0.1 µM. nm: no medido. TOM: material organic total, S/C: limo/arcilla, Chl a: Corofila:, DIN: nitrógeno inorganico disuelto.