

| C equivalents<br>total anaerobic<br>mineralization      | Net Fe <sup>2+</sup><br>production | Net Mn <sup>2+</sup><br>production                   | C-equivalent<br>Fe + Mn<br>reduction | <sup>35</sup> S-sulfate<br>reduction           | Oxygen<br>uptake |
|---|------------------------------------|--|--------------------------------------|--|------------------|
| mmol m <sup>-1</sup> d <sup>-1</sup>                    |                                    |  |                                      |  |                  |
| Station 23  | 1.15                               | 0.05   | 0.03                                 | 0.03   | 0.56             |
| Station 30  | 0.12                               | 0.02   | 0.04                                 | 0.03   | 0.05             |
| Station 45  | 0.51                               | 0.14   | 0.12                                 | 0.09   | 0.21             |
| Station 53  | 0.35                               | 0.15   | 0.09                                 | 0.08   | 0.14             |
| Station 63  | 3.07                               | –  | 0.50                                 | 0.25   | 1.41             |
| Anaerobic C mineralization<br>of total C mineralization |                                    | Fe and Mn reduction of<br>anaerobic C mineralization |                                      | Fe and Mn reduction<br>of total mineralization |                  |
| %   |                                    |  |                                      |  |                  |
| Station 23  | 22.9                               | 2.3  | 0.5                                  |  |                  |
| Station 30  | 4.4                                | 21.9   | 1.0                                  |  |                  |
| Station 45  | 12.8                               | 18.3   | 2.3                                  |  |                  |
| Station 53  | 7.8                                | 23.7   | 1.8                                  |  |                  |
| Station 63  | 26.0                               | 8.1  | 2.3                                  |  |                  |