**Supplementary Material**

**Supplementary Material 1: Results of the PERMANOVA and pairwise tests for the structure of the benthic macrofauna collected at different distances from the fish weir.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Source** | **df** | **MS** | **Pseudo-*F*** | **P*(perm)*** | **P(*MT*)** |
| **Sites** | 6 | 5712.1 | 4.2749 | 0.001\* | 0.001\* |
| **Res** | 28 | 1336.2 |  |  |  |
| **Total** | 34 |  |  |  |  |
| **Groups compared** | **T** | **P*(perm)*** | **P(*MT*)** |
| **Fish weir vs 10 cm** | 1.31 | 0.160 | 0.177 |
| **Fish weir vs 50 cm** | 2.68 | 0.013 | 0.005\* |
| **Fish weir vs 1 m** | 2.60 | 0.011 | 0.001\* |
| **Fish weir vs 2 m** | 2.41 | 0.015 | 0.003\* |
| **Fish weir vs 5 m** | 2.98 | 0.004 | 0.002\* |
| **Fish weir vs Control** | 3.48 | 0.011 | 0.001\* |
| **10 cm vs 50 cm** | 1.86 | 0.010 | 0.024\* |
| **10 cm vs 1 m** | 2.04 | 0.009 | 0.017\* |
| **10 cm vs 2 m** | 2.11 | 0.013 | 0.008\* |
| **10 cm vs 5 m** | 2.56 | 0.007 | 0.003\* |
| **10 cm vc Control** | 3.06 | 0.015 | 0.001\* |
| **50 cm vs 1 m** | 1.40 | 0.125 | 0.143 |
| **50 cm vs 2 m** | 1.45 | 0.050 | 0.121 |
| **50 cm vs 5 m** | 2.22 | 0.019 | 0.008\* |
| **50 cm vs Control** | 2.90 | 0.004 | 0.002\* |
| **1 m vs 2 m** | 0.80 | 0.623 | 0.618 |
| **1 m vs 5 m** | 1.43 | 0.097 | 0.110 |
| **1 m vs Control** | 1.87 | 0.006 | 0.026\* |
| **2 m vs 5 m** | 1.06 | 0.382 | 0.380 |
| **2 m vs Control** | 1.61 | 0.020 | 0.045\* |
| **5 m vs Control** | 0.43 | 0.964 | 0.951 |

\* Significant differences (p < 0.05). df = degrees of freedom; MS = means quares. *P*(MT) = *Monte Carlo simulation P-value.*