Table S1: Metal concentrations measured in the transplanted clams (TM), artificial mussels (AM) and water from two surveys conducted in Bospoort Dam, Olifantsnek Dam and the Pollution control Dam. The control refers to concentrations in reference clams that were maintained in the laboratory. Concentrations are presented in μg/g dry mass for transplanted clams, μg/g Chelex for the AMs and water concentrations in µg/L (mean ± SEM, ND = below detection limit, the \* indicates significant difference from control group in a specific survey).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Control | | Olifantsnek Dam | | Bospoort Dam | | Pollution control Dam |
|  |  | 2017 | 2018 | 2017 | 2018 | 2017 | 2018 | 2018 |
| As | AM | ND | ND | 5.162 ± 0.349 | 5.962 ± 0.671 | 6.127 ± 1.666 | 6.386 ± 0.624 | 5.119 ± 0.822 |
| TM | 5.760 ± 1.134 | 6.327 ± 0.306 | 22.171 ± 4.163\* | 6.933 ± 1.396 | 6.912 ± 0.503 | 7.778 ± 1.349 |  |
| Water |  |  | 1.020 ± 0.192 | 0.902 ± 0.066 | 1.160 ± 0.1997 | 1.037 ± 0.132 | 1.807 ± 0.178 |
| Cd | AM | ND | ND | 0.0171 ± 0.0037 | 0.0079 ± 0.0011 | 0.0144 ± 0.0044 | 0.0101 ± 0.0034 | 0.0096 ± 0.0069 |
| TM | 0.064 ± 0.0270 | 0.370 ± 0.087 | 0.0714 ± 0.0302 | 0.1475 ± 0.0222 | 0.070 ± 0.0255 | 0.1750 ± 0.0881 |  |
| Water |  |  | 0.0367 ± 0.0047 | 0.0417 ± 0.0186 | 0.033 ± 0.0094 | 0.0633 ± 0.0399 | 0.070 ± 0.013 |
| Co | AM | ND | ND | 0.231 ± 0.138 | 0.221 ± 0.087 | 0.431 ± 0.187 | 0.214 ± 0.130 | 0.088 ± 0.030 |
| TM | 1.102 ± 0.374 | 2.043 ± 0.076 | 1.527 ± 0.313 | 2.735 ± 0.674 | 1.283 ± 0.135 | 1.680 ± 0.364 |  |
| Water |  |  | 0.215 ± 0.098 | 0.258 ± 0.0769 | 0.442 ± 0.1860 | 0.435 ± 0.1867 | 2.810 ± 0.252 |
| Cr | AM | ND | ND | 0.053 ± 0.022 | 0.108 ± 0.113 | 0.050 ± 0.015 | ND | 0.165 ± 0.125 |
| TM | 3.270 ± 3.238 | 0.810 ± 0.030 | 8.040 ± 4.069 | 10.363 ± 5.155\* | 1.470 ± 1.540 | 2.085 ± 1.676 |  |
| Water |  |  | 1.485 ± 0.692 | 2.262 ± 1.099 | 2.048 ± 0.596 | 0.740 ± 0.405 | 3.533 ± 1.116 |
| Ni | AM | ND | ND | 3.086 ± 0.624 | 36.026 ± 5.873 | 17.238 ± 1.959 | 6.728 ± 0.848 | 0.876 ± 0.166 |
| TM | 1.212 ± 0.517 | 4.353 ± 0.769 | 4.389 ± 1.523\* | 8.067 ± 0.494 | 11.028 ± 2.465\* | 7.487 ± 0.306 |  |
| Water |  |  | 7.032 ± 6.908 | 3.813 ± 0.468 | 27.523 ± 12.8166 | 11.713 ± 1.971 | 50.728 ± 9.846 |
| Pb | AM | ND | ND | 0.254 ± 0.0623 | 0.055 ± 0.02349 | 0.263 ± 0.0940 | 0.00487 ± 0.00106 | 0.0698 ± 0.0654 |
| TM | 0.0436 ± 0.015 | 0.0797 ± 0.016 | 0.0283 ± 0.01097 | 0.0510 ± 0.00572 | 0.0114 ± 0.0023\* | 0.0138 ± 0.0062\* |  |
| Water |  |  | 0.130 ± 0.101 | 0.07 ± 0.064 | 0.128 ± 0.0267 | 0.0683 ± 0.0615 | 0.1 ± 0.088 |
| Pt | AM | ND | ND | 0.003 ± 0.0015 | 0.002 ± 0.001 | 0.003 ± 0.0012 | 0.002 ± 0.00011 | 0.002 ± 0.0009 |
| TM | ND | ND | ND | ND | ND | ND |  |
| Water |  |  | 0.0415 ± 0.0065 | 0.0762 ± 0.1033 | 0.042 ± 0.0062 | 0.0597 ± 0.0142 | 0.1428 ± 0.0265 |
| V | AM | ND | ND | 7.898 ± 0.292 | 8.483 ± 0.480 | 8.233 ± 0.933 | 10.450 ± 1.052 | 9.285 ± 0.643 |
| TM | 3.182 ± 0.830 | 0.783 ± 0.035 | 4.069 ± 1.382 | 3.863 ± 0.444 | 1.146 ± 0.152\* | 1.068 ± 0.076 |  |
| Water |  |  | 5.893 ± 0.922 | 7.175 ± 0.275 | 7.315 ± 0.742 | 6.992 ± 0.916 | 13.967 ± 1.935 |
| Zn | AM | ND | ND | 1.014 ± 0.762 | 2.971 ± 2.269 | 0.962 ± 1.521 | 3.070 ± 1.382 | ND |
| TM | 183.474 ± 49.884 | 292.833 ± 13.873 | 185.590 ± 21.479 | 168.408 ± 28.880 | 191.618 ± 10.235\* | 185.830 ± 21.645\* |  |
| Water |  |  | ND | ND | ND | ND | 39.505 ± 8.077 |