

## Supplementary Material

# Mercury Content in Adriatic Sea Sediments in Relation to Seafloor Geochemistry and Sedimentology

Elisa Droghini<sup>a</sup>, Anna Annibaldi<sup>b,c\*</sup>, Emanuela Prezioso<sup>b</sup>, Mario Tramontana<sup>a,c</sup>, Emanuela Frapiccini<sup>d</sup>, Rocco De Marco<sup>d</sup>, Silvia Illuminati<sup>b,c</sup>, Cristina Truzzi<sup>b,c</sup> and Federico Spagnoli<sup>\*d</sup>

<sup>a</sup> Department of Pure and Applied Sciences (DiSPeA), University of Urbino Carlo Bo, Campus Scientifico E. Mattei, 61029 Urbino, Italy

<sup>b</sup> Department of Life and Environmental Sciences, Università Politecnica delle Marche, Via Brecce Bianche, 60131 Ancona, Italy

<sup>c</sup> CoNISMa, Consorzio Nazionale Interuniversitario per le Scienze del Mare, Piazzale Flaminio, 9, 00196 Roma, Italy

<sup>d</sup> Institute of Biological Resources and Marine Biotechnology (IRBIM), National Research Council (CNR), Largo Fiera della Pesca, 2, 60125 Ancona, Italy

\* Correspondence: federico.spagnoli@cnr.it (F. S.); a.annibaldi@univpm.it (A. A.);

Tab. S1. Mercury content in the sample collected during PERTRE 2016 cruise.

| Sample | Hg (mg/Kg) | Longitude | Latitude  | Depth (m) | pH   | Eh (mV) |
|--------|------------|-----------|-----------|-----------|------|---------|
| 1      | 0.0125     | 14.782433 | 43.095    | 123       | 7.54 | 106.7   |
| 2      | 0.0106     | 14.660867 | 43.0094   | 126       | 7.62 | 40      |
| 3      | 0.0145     | 14.535917 | 43.004467 | 125       | 7.56 | 88.1    |
| 4      | 0.0214     | 14.4427   | 42.952233 | 123       | 7.51 | -105.5  |
| 5      | 0.0444     | 14.76085  | 42.864333 | 256       | 7.68 | 229     |
| 6      | 0.0427     | 14.616117 | 42.8515   | 228       | 7.57 | 273     |
| 7      | 0.0751     | 14.302783 | 42.83455  | 88.6      | 7.47 | -140.6  |
| 8      | 0.1032     | 14.195017 | 42.825033 | 68.02     | 7.43 | -194    |
| 9      | 0.0247     | 14.016667 | 42.80905  | 14.1      | 7.38 | -233    |
| 10     | 0.0651     | 14.095467 | 42.810017 | 25        | 7.38 | -217    |
| 11     | 0.053      | 15.611967 | 42.50605  | 133       | 7.55 | -98     |
| 12     | 0.0478     | 15.4435   | 42.391752 | 147       | 7.66 | -140.6  |
| 13     | 0.0625     | 15.281783 | 42.265283 | 115       | 7.52 | -23.5   |
| 14     | 0.0581     | 16.621183 | 42.204133 | 176       | 7.61 | -76     |
| 15     | 0.0972     | 15.116267 | 42.145617 | 81        | 7.52 | -177.2  |
| 16     | 0.0712     | 14.983283 | 42.111033 | 40.3      | 7.36 | -200    |
| 17     | 0.0387     | 14.862283 | 42.085233 | 14.8      | 7.42 | -198.5  |
| 18     | 0.0447     | 16.56225  | 42.072767 | 138       | 7.52 | -99     |
| 19     | 0.0668     | 16.472717 | 41.9751   | 108       | 7.19 | -67.2   |
| 20     | 0.0772     | 16.366717 | 41.920183 | 71.7      | 7.35 | -186.1  |
| 21     | 0.0596     | 16.278183 | 41.898483 | 33.3      | 7.28 | -204    |
| 22     | 0.0408     | 16.216233 | 41.881017 | 17.8      | 7.36 | -189    |
| 25     | 0.0348     | 16.774317 | 41.712283 | 131       | 7.61 | 141     |
| 26     | 0.0542     | 16.65685  | 41.691533 | 103       | 7.16 | -160.8  |
| 28     | 0.078      | 16.478217 | 41.64375  | 74.4      | 7.33 | -178.5  |

|     |        |           |           |      |      |        |
|-----|--------|-----------|-----------|------|------|--------|
| 33  | 0.0682 | 16.321533 | 41.595633 | 32.5 | 7.2  | -219   |
| 35  | 0.0528 | 16.09155  | 41.54635  | 15.4 | 7.33 | -228   |
| 39  | 0.073  | 16.550967 | 41.3771   | 67.2 | 7.28 | -199.8 |
| 43  | 0.0598 | 16.762467 | 41.305533 | 95.6 | 5.74 | -193   |
| 44  | 0.0393 | 16.944567 | 41.299783 | 114  | 7.5  | 37     |
| 47  | 0.0246 | 17.400217 | 41.036    | 112  | 7.43 | -167.5 |
| 48  | 0.0577 | 17.288433 | 41.017167 | 75.4 | 7.38 | -229   |
| 50  | 0.0583 | 17.979117 | 40.823717 | 112  | 7.64 | 90     |
| 51  | 0.0669 | 17.813783 | 40.76155  | 76.8 | 7.59 | 94.3   |
| 52  | 0.0511 | 18.153633 | 40.758633 | 127  | 7.57 | -81.8  |
| 56  | 0.0806 | 18.4284   | 40.530083 | 104  | 7.48 | 89.3   |
| 59  | 0.0814 | 18.624567 | 39.90345  | 113  | 7.66 | 169.9  |
| 51B | 0.0664 | 17.964783 | 40.7124   | 90.9 | 7.47 | 95.1   |
| 51C | 0.0586 | 18.057867 | 40.738883 | 112  | 7.44 | -193.3 |
| 54B | 0.0806 | 18.26465  | 40.548233 | 88.5 | 7.32 | -209   |
| 81B | 0.0577 | 18.291133 | 40.685383 | 122  | 7.51 | -126.8 |
| S10 | 0.0585 | 15.976233 | 42.028083 | 59.9 | 7.51 | -105.5 |
| S11 | 0.0425 | 16.091783 | 42.212967 | 121  | 7.68 | 229    |
| S12 | 0.0262 | 15.95785  | 41.968733 | 17.9 | 7.57 | 273    |
| S13 | 0.0501 | 15.863033 | 42.2806   | 116  | 7.47 | -140.6 |
| S16 | 0.0671 | 15.681933 | 42.135633 | 92.7 | 7.43 | -194   |
| S17 | 0.0635 | 15.528267 | 42.020967 | 52.6 | 7.38 | -217   |
| S18 | 0.0412 | 15.94075  | 42.41265  | 126  | 7.55 | -98    |
| S19 | 0.0229 | 15.45385  | 41.945217 | 16.9 | 7.66 | -140.6 |
| S2  | 0.0171 | 16.746883 | 41.9423   | 171  | 7.52 | -23.5  |
| S20 | 0.0229 | 14.282    | 43.581983 | 82.7 | 7.6  | 136.2  |
| S21 | 0.0633 | 14.175067 | 43.540883 | 81.4 | 7.52 | -133   |
| S22 | 0.1139 | 14.060083 | 43.498883 | 67.3 | 7.47 | -154   |
| S23 | 0.1226 | 13.95445  | 43.4603   | 48.2 | 7.33 | -173.8 |
| S24 | 0.0863 | 13.893733 | 43.43865  | 29.4 | 7.29 | 10.16  |
| S25 | 0.014  | 14.388033 | 43.622333 | 84.5 | 7.65 | -30    |
| S26 | 0.021  | 13.77455  | 43.386033 | 13   | 7.63 | -140   |
| S27 | 0.023  | 14.4482   | 43.310833 | 90   | 7.68 | 193.4  |
| S28 | 0.0567 | 14.29395  | 43.25265  | 78.4 | 7.5  | -163.8 |
| S29 | 0.0924 | 14.154367 | 43.191583 | 68.9 | 7.52 | -179.6 |
| S3  | 0.0144 | 16.796383 | 42.125    | 204  | 7.61 | -76    |
| S30 | 0.0976 | 14.029733 | 43.145683 | 40.5 | 7.42 | -215   |
| S31 | 0.012  | 14.600233 | 43.3555   | 95.5 | 7.42 | 156.3  |
| S32 | 0.0378 | 13.914617 | 43.112717 | 15.5 | 7.36 | -243   |
| S33 | 0.0551 | 15.088583 | 42.447683 | 151  | 7.52 | -177.2 |
| S34 | 0.0674 | 14.94805  | 42.398433 | 128  | 7.36 | -200   |
| S35 | 0.0826 | 14.816367 | 42.348417 | 95.4 | 7.42 | -198.5 |
| S36 | 0.0603 | 14.677717 | 42.290883 | 48.6 | 7.52 | -99    |
| S37 | 0.0491 | 15.238433 | 42.496967 | 154  | 7.19 | -67.2  |
| S38 | 0.0408 | 15.309433 | 42.614067 | 141  | 7.35 | -186.1 |
| S39 | 0.0191 | 14.584217 | 42.256833 | 15.2 | 7.28 | -204   |

|      |        |           |           |      |      |        |
|------|--------|-----------|-----------|------|------|--------|
| S4   | 0.0447 | 16.779717 | 41.465217 | 109  | 7.36 | -189   |
| S40  | 0.0431 | 14.963983 | 42.74875  | 207  | N.D. | N.D.   |
| S41  | 0.0459 | 14.8      | 42.694583 | 191  | 7.61 | 141    |
| S42  | 0.0588 | 14.567883 | 42.592833 | 121  | 7.16 | -160.8 |
| S43  | 0.0918 | 14.440617 | 42.539717 | 85.1 | 7.33 | -178.5 |
| S44  | 0.0725 | 14.34675  | 42.505217 | 43.1 | 7.2  | -219   |
| S45  | 0.0445 | 14.662383 | 42.632583 | 148  | 7.33 | -228   |
| S46  | 0.0382 | 15.098483 | 42.83125  | 183  | 7.28 | -199.8 |
| S47  | 0.0255 | 15.005417 | 42.949583 | 180  | 5.74 | -193   |
| S48  | 0.0161 | 14.279317 | 42.4779   | 16.2 | 7.5  | 37     |
| S5   | 0.0567 | 16.662783 | 41.42005  | 90.9 | 7.13 | -191.7 |
| S50  | 0.0421 | 17.18855  | 41.524733 | 578  | 7.48 | -139.4 |
| S53  | 0.0632 | 17.631683 | 40.875333 | 86.8 | 7.34 | -186.7 |
| S54  | 0.0446 | 17.724533 | 40.907    | 108  | 7.32 | -135   |
| S55  | 0.0546 | 17.810383 | 40.9346   | 119  | 7.6  | 181.2  |
| S6   | 0.0622 | 16.441533 | 41.323017 | 25.7 | 7.34 | -89.5  |
| S61b | 0.0467 | 17.033067 | 41.951683 | 609  | 7.49 | -178   |
| S66  | 0.0467 | 17.139483 | 41.176317 | 122  | 7.16 | -199   |
| S67b | 0.0187 | 17.284383 | 41.232917 | 167  | 7.36 | -144.5 |
| S68  | 0.049  | 17.007483 | 41.115317 | 47.4 | 7.4  | -225   |
| S69B | 0.1235 | 18.523167 | 39.923367 | 106  | 7.56 | 193.7  |
| S7   | 0.0306 | 16.904883 | 41.509883 | 132  | 7.8  | 105.2  |
| S72  | 0.0399 | 18.654567 | 40.068333 | 104  | 7.6  | 207    |
| S73  | 0.0402 | 18.554517 | 40.067533 | 94   | 7.49 | -136   |
| S76B | 0.0609 | 18.463617 | 40.44575  | 102  | 7.47 | -62.2  |
| S77  | 0.0493 | 18.54605  | 40.44945  | 121  | 7.43 | -154.8 |
| S78  | 0.0971 | 18.389167 | 40.398533 | 94.2 | 7.38 | -195.3 |
| S79  | 0.0699 | 18.346283 | 40.544433 | 102  | 7.19 | -63    |
| S8   | 0.0533 | 16.056083 | 42.156033 | 115  | 7.78 | 97     |
| S80  | 0.0515 | 18.52905  | 40.53465  | 114  | 7.45 | -113.5 |
| S84  | 0.0208 | 18.795917 | 40.115183 | 665  | 7.37 | -213   |
| S85  | 0.0459 | 18.7127   | 40.355817 | 703  | 7.61 | 73.5   |
| S86  | 0.0335 | 18.614933 | 40.678683 | 669  | 7.53 | 31.5   |
| S9   | 0.0778 | 16.011367 | 42.09455  | 99.5 | 7.49 | 84.8   |
| S90  | 0.0476 | 17.982667 | 40.944133 | 138  | 7.46 | -124.8 |
| S92  | 0.0206 | 16.976933 | 41.766417 | 560  | 7.47 | -142.7 |

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