

Supplementary Materials

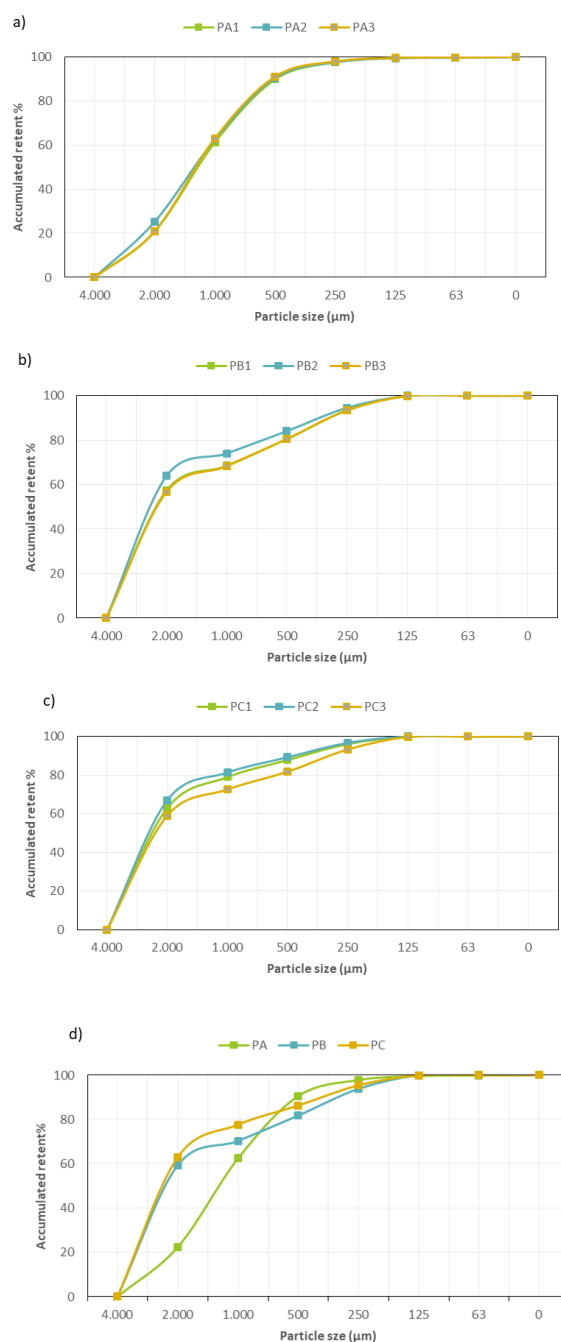


Figure S1. Granulometry results from accumulated retention per particle size for samples from (a) PA, (b) PB, (c) PC, (d) total.

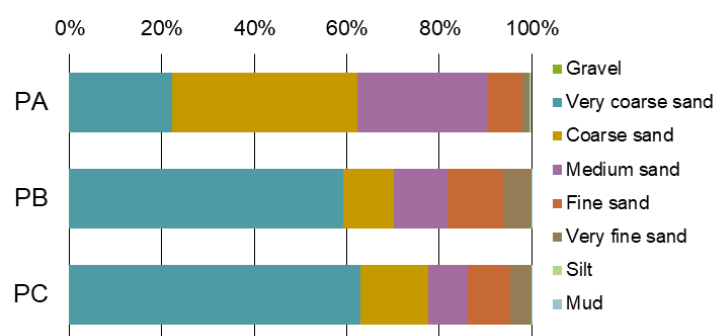


Figure S2. Grain-size sediment distribution of collected sediments samples (PA, PB, PC, $n=3$).

Table S1. Detection limit (DL) and quantification limit (QL) for water, sediment and algal samples from the current study.

Element	Unit	Water		Sediment/ Algae	
		DL	QL	DL	QL
Cu	mg/L	0.0002	0.0005	0.175	1.75
Fe	mg/L	0.002	0.006	14	140
Al	mg/L	0.002	0.01	14	140
As	mg/L	0.001	0.0003	0.1	1
Ag	mg/L	0.000006	0.00002	0.06	0.6
Pb	mg/L	0.00010	0.0004	0.1	1
Bi	mg/L	0.000005	0.00002	0.1	1
Cd	mg/L	0.0000006	0.00002	0.09	0.9
Mn	mg/L	0.00005	0.0001	1.3	13
Zn	mg/L	0.0002	0.0007	0.12	1.2
Ca	mg/L	0.02	0.06	2.5	25
K	mg/L	0.003	0.009	1.5	15
Mg	mg/L	0.002	0.005	1.3	13
Na	mg/L	0.003	0.01	1.5	15
Li	mg/L	0.0001	0	0.15	1.5