

Supplement to: Dredging and dumping impact coastal fluxes of sediment and organic carbon

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Table S1. Sediment type classification. Classifications are assigned to dumping activities according to description strings in the dumping data. Activities with missing or non-attributable sediment type descriptions were categorized as “Mixed.”

	Classification		
	Fine-grained	Coarse-grained	Mixed
Identifiers	'SILT' 'Silt' 'Silts' 'clay' 'clay and silt' 'clay, till' 'cohesive soil' 'glacial clay' 'glacial clay, clay' 'mainly silt' 'mud' 'postglacial clay' 'silt'	'Gravels' 'SAND' 'Sand' 'Sands' 'Sands / Gravels' 'gravel' 'gravel/sand' 'mainly sand' 'non-cohesive soil' 'predom. sand' 'rocks' 'sand' 'sand and gravel' 'sand/gravel'	'Gravel/Silt' 'Gravels / Silts' 'SAND/SILT' 'Sand and silt' 'Sand/Silt' 'Sands / Silts' 'Silt and Sand' 'Silt/Sand' 'Silt/sand' 'mix' 'mix of silt and sand' 'mud/sand' 'sand / silt' 'sand /silt mixed' 'sand and silt' 'sand- silt' 'sand/merl' 'sand/silt' 'sand/silt mixed' 'sand/silt/gravel' 'silt , finesand' 'silt, fine sand' 'silt/sand' 'silt/sand/clay' 'various'

15 **Table S2. Sediment parameter settings.** Set values are given for median grain size (D_{50}), settling velocity (w_s), critical shear stress for resuspension (τ_c), and erosion rate (M_E).

D_{50} (μm)	20
w_s (mm s^{-1})	0.05 or 1
τ_c (Pa)	0.1
M_E (s m^{-1})	0.001