



**Figure S1.** scatter plot of correlation analysis between turbidity and SSC values including >180 samples from the five estuaries.

**Table S1.** Summary of the conducted surveys and measured variables.

Estuary	Measurements	Lunar Phase	Season	Period	
Mocajuba	SSC and Salinity	Spring	Dry	16-Nov-13	
			Rainy	01-Apr-14	
	Water level	Spring-Neap	Dry	Nov-13	
	Bathymetry		Rainy	Apr-14	
Taperaçu	SSC and Salinity	Spring	Dry	Nov-13	
			Rainy	09-Oct-14	
		Neap	Dry	16-May-14	
			Rainy	17-Sep-14	
	Water level	Spring-Neap	Dry	24-Jun-14	
	Bathymetry		Rainy	Oct-14	
Caeté	SSC and Salinity	Spring	Dry	May-14	
			Rainy	Apr-09	
		Neap	Dry	Feb-15	
			Rainy	Feb-17	
	Water level	Spring-Neap	Transition Dry-Rainy	10-Oct-14	
	Bathymetry		Dry	15-May-14	
Urumajó	SSC and Salinity	Spring	Dry	17-Sep-14	
			Rainy	23-Jun-14	
		Neap	Dry	Dec-05	
			Rainy	14-Dec-12	
	Water level	Spring-Neap	Dry	18-May-15	
	Bathymetry		Rainy	06-Dec-12	
Gurupi	SSC and Salinity	Spring	Dry	06-May-13	
			Rainy	Sep-13	
	Water level	Spring-Neap	Dry	May-13	
	Bathymetry		Rainy	Mar-15	

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		Rainy	Apr-13
SSC and Salinity	Spring	Dry	14-Nov-12
		Rainy	26-Apr-13
Bathymetry	-	Dry	Dec-17

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