

Supplementary Material

Coastal Stormwater Pond Age and Phosphorus Cycling within Water and Sediment

Morolake M. Fatunmbi¹, Debabrata Sahoo², Amy E. Scaroni³, Calvin B. Sawyer⁴, Erik Smith⁵, Sarah A. White¹

¹ Department of Plant and Environmental Science, Clemson University, Clemson, South Carolina, United States

² Department of Agricultural Sciences, Clemson University, South Carolina Water Resources Center, Pendleton, South Carolina, United States

³ Department of Forestry and Environmental Conservation, Clemson University, Baruch Institute of Coastal Ecology and Forest Science, Georgetown, South Carolina, United States

⁴ Department of Agricultural Sciences, Clemson University, Clemson, South Carolina, United States

⁵ School of the Earth, Ocean and Environment, University of South Carolina, Baruch Field Laboratory, Georgetown, South Carolina, United States

Correspondence

Debabrata Sahoo

Department of Agricultural Sciences

Clemson University

509 Westinghouse Road

Pendleton, SC 29670, USA

Email: dsahoo@clemson.edu

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The following supporting material is included:

Table S1 Mean equilibrium phosphorus concentration values (EPC_0) and R^2 values from linear regression analyses used to estimate EPC_0 in all stormwater ponds sampled across two seasons (summer and winter)

Pond age		Summer		Winter	
		EPC_0	R^2	EPC_0	R^2
Young	Y1	-0.61	0.78	-0.63	0.35
	Y2	2.19	0.64	2.23	0.90
	Y3	0.82	0.53	6.17	0.53
Middle-age	M1	30.9	0.50	0.95	0.71
	M2	-1.44	0.36	3.52	0.32
	M3	0.91	0.95	0.5	0.91
Old	O1	0.63	0.56	2.39	0.51
	O2	0.49	0.14	0.85	0.88
	O3	0.30	0.79	1.47	0.58

Table S2 Mean particle size distribution and organic carbon (OC) across stormwater pond sections (% fraction)

Pond age	Sampling seasons	Sand (%)	Fine (%)	OC (%)
Young	Summer	90.0 ± 7.1	10.0 ± 7.1	4.01 ± 2.5
	Winter	94.0 ± 4.0	6.01 ± 4.0	4.01 ± 2.6
Middle-age	Summer	90.0 ± 4.0	10.0 ± 4.0	4.30 ± 2.5
	Winter	93.0 ± 4.1	7.01 ± 4.1	5.01 ± 2.1
Old	Summer	92.0 ± 7.1	8.01 ± 7.1	6.01 ± 3.5
	Winter	91.0 ± 8.1	9.01 ± 8.1	5.01 ± 4.0