Contents INTERCOH-2003

J. Maa, L. Sanford and D. Schoelhamer, 2007, Estuarine and coastal fine sediment dynamics, 8, Elsevier, ISBN 0-444-52238-7.

Sarah J. Bass, A.J. Manning and K.R. Dyer
Preliminary findings of a study of the upper reaches of the Tamar Estuary, UK, throughout a complete tidal cycle: Part I: Linking hydrodynamic and sediment cycles 1

Andrew J. Manning, S.J. Bass and K.R. Dyer
Preliminary findings of a study of the upper reaches of the Tamar Estuary, UK, throughout a complete tidal cycle: Part II: *In-situ* floc spectra observations 15

Luis E. Neumann and T. Howes
Aggregation and breakage rates in the flocculation of estuarine cohesive sediments 34

Federico Maggi and J.C. Winterwerp
An experimental study into the evolution of the size distribution of kaolinite flocs 54

Neil K. Ganju, D.H. Schoellhamer, M.C. Murrell, J.W. Gartner and S.A. Wright
Constancy of the relation between floc size and density in San Francisco Bay... 73

Gilliane Sills, G. Lintern and J. Leung
Effects of different erosion techniques on sediment beds in the laboratory 90

Wilbert Lick, J. Lick, L. Jin and J. Gailani
Approximate equations for sediment erosion rates 106

Jerome P.-Y. Maa and B. Chadwick
Estimation of annual average propeller erosion rate in San Diego Bay, California 125

Robert Kirby
Organic-rich fine sediments in Florida, Part 1: Sources & nature 142

Jason E. Gowland, A.J. Mehta, J.D. Stuck, C.V. John and T.M. Parchure
Organic-rich fine sediments in Florida, Part II: Resuspension in a lake 162

Timothy R. Keen and Y. Furukawa
A modular entrainment model for cohesive sediment 184

Johan C. Winterwerp

On the sedimentation rate of cohesive sediment 203

Petra J.T. Dankers, J.C. Winterwerp and W.G.M. van Kesteren
A preliminary study on the hindered settling of kaolinite flocs 221

Gerben J. de Boer, L.M. Merckelbach and J.C. Winterwerp
A parameterized consolidation model for cohesive sediments 236

Qing-He Zhang, O.W.H. Wai and Z.-D. Zhao
Estimation of mud rheological parameters using genetic algorithm for a two-layer wave-mud system 256

Yuan-ye Wang and Q. He
The critical diameter for distinguishing bed material load and wash load of sediment in the Yangtze Estuary, China 269

Dries Van den Eynde, B. Nechad, M. Fettweis and F. Francken
Seasonal variability of suspended particulate matter observed from SeaWiFS images near the Belgian coast 282

Lucas M. Merckelbach and J.C. Winterwerp
A semi-analytical model for confined fluid mud flow in estuaries 303

Jae-Il Kwon, J.P.-Y. Maa and D.-Y. Lee
A preliminary implication of the constant erosion rate model to simulate turbidity maximums in the York River, Virginia, USA 321

John C. Warner, C.R. Sherwood and W.R. Geyer
Sensitivity of estuarine turbidity maximum to settling velocity, tidal mixing, and sediment supply 345

Yasuyuki Nakagawa
Fine sediment transport in Ariake Bay, Japan 367

Fumihiko Yamada, N. Kobayashi, T. Kakinoki and M. Nakamichi
Quadratic profile approach for profile evolutions on intertidal mudflat 385

Jeremy Spearman, R.N. Bray, J. Land, T.N. Burt, C.T. Mead and D. Scott
Plume dispersion modelling using dynamic representation of trailer dredger source terms 406

Trimbak M. Parchure, J.E. Davis and R.T. McAdory

Modeling fine sediment resuspension due to vessel passage 438

Walther G.M. van Kesteren, T. van Kessel and M.J. Costello
Capping of a contaminated soft cohesive sediment bed in Stryker Bay, Minnesota 454

B. Bhattacharya, I.K. Deibel, S.A.M. Karstens and D.P. Solomatine
Neural networks in sedimentation modelling for the approach channel of the port area of Rotterdam 465

Mark Markofsky
The COSINUS datebase for cohesive sediment transport in estuaries
and coastal zones (with the database in the attached CD) 481