

Contents INTERCOH-1994

N. Burt, R. Parker and J. Watts, 1997, *Cohesive Sediments*, John Wiley & Sons, Chichester, ISBN 0-471-97098-0.

W.R. Parker, On the characterisation of cohesive sediment for transport modelling.	3
D. Eisma, K.R. Dyer and W. van Leussen, The in-situ determination of the settling velocities of suspended fine-grained sediment – a review.	17
W. van Leussen, The Kolmogorov microscale as a limiting value for the floc sizes of suspended fine-grained sediments in estuaries.	45
W.B.M. ten Brinke, Temporal variability in aggregate size and settling velocity in the Oosterschelde (The Netherlands).	63
M.P. Dearnaley, Direct measurements of settling velocities in the Owen tube: A comparison with gravimetric analysis.	75
M.J. Fennessy, K.R. Dyer, D.A. Huntley, and A.J. Bale, Estimation of settling flux spectra in estuaries using INSSEV.	87
G.C. Sills, Consolidation of cohesive sediments in settling columns.	107
E.A. Toorman and H. Huysentruyt, Towards a new constitutive equation for effective stress in self-weight consolidation.	121
A.M.W. Arundale, E.J. Darbyshire, S.J. Hunt, K.G. Schmitz and J.R. West, Turbidity maxima formation in four estuaries.	135
G. Gust and V. Müller, Interfacial hydrodynamics and entrainment functions of currently used erosion devices.	149
J.M. Cornelisse, H.P.J. Mulder, E.J. Houwing, H.J. Williamson and G. Witte, On the development of instruments for in situ erosion measurements.	175
J.M. Land, R. Kirby and J.B. Massey, Developments in the combined use of acoustic Doppler current Profilers and profiling siltmeters for suspended solids monitoring.	187
M. Crapper and K.H.M. Ali, A laboratory study of cohesive sediment transport.	197
D.M. Paterson, Biological mediation of sediment erodibility: ecology and physical dynamics.	215
K.S. Black,	

Microbiological factors contributing to erosion resistance in natural cohesive sediments.	231
H. Torfs, Erosion of mixed cohesive/non-cohesive sediments in uniform flow.	245
A.M. Teeter, T.M. Parchure and W.H. McAnally Jr, Size-dependent erosion of two silty-clay sediment mixtures.	253
J.C. Winterwerp and C. Kranenburg, Erosion of fluid mud by entrainment.	263
B.G. Krishnappan and P. Engel, Critical shear stresses for erosion and deposition of fine suspended sediments of the Fraser river.	279
J.N. Aldridge and J.M. Rees, Interpreting observations of near-bed sediment concentration and estimation of 'pick-up' function constants.	289
C. Johansen, T. Larsen and O. Petersen, Experiments on erosion of mud from the Danish Wadden Sea.	305
T.E.R. Jones, A review of rheometric methods for use with fine sediments.	317
P.J. de Wit and C. Kranenburg, On the liquefaction and erosion of mud due to waves and current.	331
Y. Li and A.J. Mehta, Mud fluidization by water waves.	341
H. Verbeek and J.M. Cornelisse, Erosion and liquefaction of natural mud under surface waves.	353
C. Teisson, A review of cohesive sediment transport models.	367
D.H. Willis and N.L. Crookshank, Modelling multiphase sediment transport in estuaries.	383
T.J. Chesher and M.C. Ockenden, Numerical modelling of mud and sand mixtures.	383
T. Kusuda, R. Watanabe and H. Yamanishi, Mass fluxes in fluid-mud layers on an inclined bed.	395
P. le Hir, Fluid and sediment "integrated" modelling application to fluid mud flows in estuaries.	417
S.-C. Lee and A.J. Mehta, Equilibrium hypsometry of fine-grained shore profiles.	429
J.-C. Galland, D. Laurence, and C. Teisson, Simulating turbulent vertical exchange of mud with a Reynolds stress model.	439

