1. Record Nr. UNINA9910633982103321

Titolo	Formulae of Sediment Transport in Steady Flows . Part 1 / / edited by Andrew J. Manning
Pubbl/distr/stampa	London : , : IntechOpen, , 2022
ISBN	1-83881-119-2
Descrizione fisica	1 online resource (206 pages)
Disciplina	627.122
Soggetti	Sediment transport
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Chapter 1. Formulae of Sediment Transport in Steady Flows (Part 1) -- Chapter 2. Formulae of Sediment Transport in Unsteady Flows (Part 2) -- Chapter 3. Physics of Cohesive Sediment Flocculation and Transport: State-of-the-Art Experimental and Numerical Techniques -- Chapter 4. Rheology of Mud: An Overview for Ports and Waterways Applications -- Chapter 5. Flocculation in Estuaries: Modeling, Laboratory and In-situ Studies -- Chapter 6. Advances in Maintenance of Ports and Waterways: Water Injection Dredging -- Chapter 7. Non-Intrusive Characterization and Monitoring of Fluid Mud: Laboratory Experiments with Seismic Techniques, Distributed Acoustic Sensing (DAS), and Distributed Temperature Sensing (DTS) -- Chapter 8. Activated Flooded Jets and Immiscible Layer Technology Help to Remove and Prevent the Formation of Bottom Sediments in the Oil Storage Tanks -- Chapter 9. Study of Water and Sediment Quality in the Bay of Dakhla, Morocco: Physico-Chemical Quality and Metallic Contamination.
Sommario/riassunto	The effective governance and administration of many aquatic environments requires a detailed understanding of sediment transport and behavioral dynamics. This has both environmental and economic implications, especially where there is any anthropogenic involvement. Sediment Transport - Recent Advances examines sediment transport-related issues in estuarial, coastal, or freshwater environments as well as non-intrusive seismic monitoring of fluid mud, sediment removal from oil storage tanks, and formulae of sediment transport in both

unsteady and steady flows.