



# Handbook of Dredging Engineering, 2nd Edition

By John B. Herbich

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## **Handbook of Dredging Engineering, 2nd Edition** By John B. Herbich

Authoritative, up-to-date guide to dredging theory and practice. From selecting the right equipment, to evaluating environmental impact, to bidding on a project, *Handbook of Dredging Engineering, Second Edition*, is the last word on modern hydraulic dredging. Edited by John B. Herbich, with contributions by well-known experts in the field, the *Handbook* examines basic fluid mechanics; dredge pumps; dredging equipment; sediment; pipeline transport of solids; dredging methods; disposal and placement of dredged material; numerical models for predicting the fate of dredged material placed in open water; environmental effects of dredging activities; instrumentation and automation; and project planning. This vital new edition covers major advances made over the last seven years. Three chapters are new to this edition: numerical models for predicting the fate of dredged material...subaqueous capping of contaminated sediment...and removal of contaminated sediments by dredging, with illustrative case studies.

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### **Editorial Review**

#### **From the Back Cover**

"Dredging creates a stronger economy and cleaner environment. Without maintenance dredging, most of our harbors and navigation channels would cease to exist and our waterborne commerce would be paralyzed." -- from a publication of the Western Dredging Association HANDBOOK OF DREDGING ENGINEERING Second Edition A compendium of expert information on today's dredging theory, practice, and regulation-- Get up to speed on the latest dredging technologies, research, and regulations with this new edition of John B. Herbich's expert Handbook of Dredging Engineering. It gives you more help with evaluating and mitigating environmental impacts than you can find anywhere else. New or expanded in this edition:

\*Assessing and predicting wave forces and deposits resulting from wave action \*Subaqueous capping of containment sediment \*Removing contaminated sediment \*Modeling to predict the fate of dredged materials \*Developments in dredging equipment For useful case studies on inland waterways, navigation channels, underwater construction, and offshore pipelines--and everything you want to know about automated dredging systems and instrumentation, disposal areas, project planning and management, and new regulatory requirements, the Handbook of Dredging Engineering is the last word. It's a wide-ranging resource for everyone involved with the widening or deepening of channels and ports.

#### **About the Author**

John Herbich (College Station, Texas) is the W. H. Bauer Professor of Dredging Engineering and Director of the Center of Dredging Studies at Texas A & M University. He is considered to be one of the leading experts in coastal engineering education and research.

### **Users Review**

#### **From reader reviews:**

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**Pauline Browne:**

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