### Thomas M. Turner

### Fundamentals of Hydraulic Dredging Second Edition

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Historic gathering of three large U.S. Army Corps Hopper dredges—McFarland, Wheeler, and Essayons—to perform emergency dredging on the lower Mississippi in July 1995. Courtesy: U.S. Army Corps of Engineers.

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# Fundamentals of Hydraulic Dredging Second Edition



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#### ABSTRACT

This fully revised and updated edition presents the basic principles of hydraulic dredging in terms that are easily understood. It is non-theoretical and readable, in addition to being one of the most widely used texts available on dredging. The author, Thomas M. Turner, is a respected expert who has made substantial contributions to the field. The book is intended for dredge operators, along with government agencies and members of the legal profession who are concerned with the dredging industry. This updated edition includes new information on significant technical advances and environmental issues, and also includes both standard and metric units of measurement.

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Dedication

to June best friend, critic, advisor & dear wife

#### ABOUT THE AUTHOR

Thomas M. Turner, an honors graduate in engineering from North Carolina State University, served as naval engineering officer aboard landing craft in World War II. Since then he has worked in engineering and development for the Procter and Gamble Company, as chief engineer of the Buckeye Cotton Oil Company, and as head of the equipment department for Charmin Paper. In 1966 Turner began work as vice president of engineering for the Ellicott Machine Corporation, the oldest and largest builders of dredges in the United States, and became general manager of the Ellicott Dredge Division. In 1978 he established his own consulting firm, specializing in dredge efficiency, trouble-shooting, training seminars, and litigation assistance. He is a contributor to the *Proceedings* of the World Dredging Conference and to other professional journals.

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