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**Engineering and Design
MONOGRAPH PREPARED BY M. PETERSEN ON
INLAND NAVIGATION AND CANALIZATION**

1. Purpose

This pamphlet disseminates a monograph compiled by Margaret Sara Petersen, Emerita Associate Professor, Department of Civil Engineering and Engineering Mechanics, the University of Arizona.

2. Applicability

This pamphlet applies to all USACE commands with responsibility for hydraulic and structural design, construction, and operation of inland navigation projects.

3. General

The monograph was originally prepared for use by the Chinese as a goodwill gesture, and not as a contract. The author used her knowledge and input from various sources within USACE. She expressed an interest in sharing her work at no cost to USACE.

4. Distribution Statement

Approved for public release; distribution is unlimited.

FOR THE COMMANDER:

5. Author

Margaret Sara Petersen is a highly respected professional civil engineer, teacher, and author. She worked as a hydraulic engineer with USACE for 30 years ending as Chief, Planning Branch, Sacramento District, before becoming an associate professor. Her work with the USACE encompassed some of the nation's largest water resource development projects including the Mississippi River flood-control and navigation effort, Missouri River reservoirs and navigation improvements, Arkansas River navigation improvements, California's Sacramento-San Joaquin Delta project, and the \$1 billion Marysville Lake reservoir and Yuba River in California. After leaving USACE, Petersen developed new graduate-level courses, wrote two textbooks, and lectured in China, Morocco, and South Africa.



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