

DEPARTMENT OF THE ARMY
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Engineer Manual
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Engineering and Design
HYDRAULIC DESIGN OF FLOOD CONTROL CHANNELS

- 1. Purpose.** This manual presents procedures for the design analysis and criteria of design for improved channels that carry rapid and/or tranquil flows.
- 2. Applicability.** This manual applies to major subordinate commands, districts, and laboratories having responsibility for the design of civil works projects.
- 3. General.** Procedures recommended herein are considered appropriate for design of features which are usable under most field conditions encountered in Corps of Engineers projects. Basic theory is presented as required to clarify presentation and where the state of the art, as found in standard textbooks, is limited. In the design guidance, where possible, both laboratory and prototype experimental test results have been correlated with current theory.

FOR THE COMMANDER:



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