



HEIAC's scope of responsibility includes:

- Channels
- Conduits
- Dams
- Flood Control & Navigation
- Flow Through Pipes
- Harbor Hydraulics
- Hydraulic Design & Performance
- Locks
- River Hydraulics
- Spillways
- Tidal Hydraulics

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HEIAC was established within the Coastal and Hydraulics Laboratory (CHL) at the U.S. Army Engineer Research & Development Center (ERDC) to provide a focal point for information related to hydraulic engineering and science. The HEIAC is supported by CHL's multi-disciplinary technical staff, which offers expertise in the areas of estuaries, hydraulic structures, open channel flow and sedimentation, dredging research, navigation channel design, operations and management techniques, computer-aided engineering and modeling, hydrology research, hydrology, and hydraulics Geological Information Systems (GIS) database development.

In answering requests, HEIAC has access to the ERDC Research Library. The HEIAC has the added advantage of total access to ERDC's information technology, communication, and computer resources, including fiber-optic communications, computer video graphics, automated databases, and optical disk storage and retrieval. In addition, the ERDC-operated DoD High-Performance Computing Major Shared Resource Center offers cutting-edge capabilities for computational archival storage, scientific visualization, and networking.

Products

Corps of Engineers Technical Engineering Manuals:

- *EM 1110-2-1601 Hydraulic Design of Flood Control Channels*
- *EM 1110-2-1602 Hydraulic Design of Reservoir Outlet Works*
- *EM 1110-2-1603 Hydraulic Design of Spillways*
- *EM 1110-2-1604 Hydraulic Design of Navigation Locks*
- *EM 1110-2-1605 Hydraulic Design of Navigation Dams*
- *EM 1110-2-1606 Hydraulic Design-Surges in Canals*