




& INTENTIONAL DEDICATED & DILIGENT NATIONAL & NEIGHBORLY COLLABORATIVE &



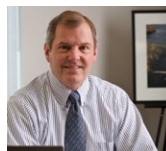
## Water Resources

The words pioneer, leader, innovator and expert embody Daniel W. Mead’s life and his career as a water resources engineer. They also describe Mead & Hunt today. That same sense of leadership and quest for innovation have guided us past our 110th year – a tremendous milestone in our journey. Moving forward, our dedication to water resources engineering follows that same commitment to excellence.

### Types of Clients We Serve

- Flood protection and drainage
- Irrigation infrastructure
- Water and wastewater
- Pump stations
- Stream restoration
- Ports and harbors 

Mead & Hunt, Inc.  
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# Water Resources Services

## Design and Evaluation

- Pump and lift stations
  - Sewer lift stations
  - Water booster stations
  - Storm water, flood control and irrigation
- Water storage
  - Concrete
  - Steel
  - Earthen (lined and unlined)
- Water conveyance
  - Pipelines
  - Open and closed channels
  - Canals

## Levees and Floodwalls

- Embankment and floodwall design
- Levee freeboard and geometry analysis
- Levee certification
- Encroachment surveys
- Conditions assessment
- Probable coincidental flood analysis
- Emergency action plans
- Embankment and floodwall stability and seepage analysis
- Levee settlement analysis
- Internal drainage study
- Operations and maintenance

## Hydrology and Hydraulic Analyses

- Deterministic and stochastic hydrology
- Water quality and groundwater modeling
- Stream gage analysis
- Regional hydrologic analyses
- Flow duration analyses
- Reservoir management
- Drainage master plans
- Watershed planning

## Regulatory Compliance

- Agency review coordination and negotiation
- Environmental permitting
- Section 404 permitting
- Local storm water permitting
- NEPA documentation
- Historic resource assessment and management planning
- Funding applications
- Species inventory
- Habitat assessment
- Water quality sampling
- Avian, aquatic and terrestrial studies
- Wetland delineation and functional assessments
- Wetland permitting

- Wetland mitigation, restoration and enhancement
- Wetland monitoring and long-term management
- Lake and stream management plans
- Erosion and sediment control plans

## Channel Stabilization and Restoration

- Natural channel design
- Soil bioengineering
- Conventional bank and channel protection
- Fluvial geomorphology

## Geotechnical

- Slope stability analysis
- Seepage analysis
- Shallow and deep foundation analysis
- Earthwork design
- Soil and rock modification design

## Ports and Harbors

- Dockwalls and revetments
- Ship launch facilities
- Mooring dolphins and structures
- Marinas
- Load out facilities
- Shoreline protection

