

Floodplain Management

CEC's team of skilled and experienced floodplain management professionals provide in-depth regulatory knowledge and sound engineering to produce comprehensive solutions for floodplain management.



The task of improving flood control and risk management through structural and non-structural measures, as well as improving the water quality for our nation's rivers and streams, has been pushed down to the local level.

CEC provides a fully integrated watershed approach to floodplain management, identifying and solving complex stream problems through expertise in stream restoration, water quality, and endangered species management. CEC's team of stream and stormwater professionals includes Hydrologists, Hydraulic Engineers, GIS Specialists, and Certified Floodplain Managers (CFM) who provide the following services:

- Stream Condition Assessment
- Stream Restoration / Relocation Design
- Floodplain Regulatory Permitting
- Hydrologic Studies
- Hydraulic Modeling
- Bridge and Culvert Hydraulic Design
- Reservoir Design and Improvements
- Dam and Improvements Design
- Dam Safety Engineering
- Dam Regulatory Permitting
- Dam Critical Flood Studies
- Dam Emergency Action Plans
- Dam Operation Maintenance and Inspection Plans
- Floodway Encroachment Studies
- Floodway Delineation and Mapping
- FEMA Map Revisions
- Stormwater Management

CEC offers professional services in Floodplain Management to a wide variety of industry clients, including:

- Real Estate Developers
- Golf Course Owners
- Utility Companies
- Mining Companies
- Property Owners
- Home Owners Associations
- Industrial Companies
- Government Agencies
- Environmental Attorneys
- Environmental Managers