

## *Floodplain Studies*

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The staff of Anderson Consulting Engineers, Inc. have extensive experience in the execution of flood insurance studies (FIS) for the delineation of hazard areas related to riverine flooding. During the completion of these studies, the staff has become well acquainted with the technical specifications and guidelines promulgated by FEMA. Furthermore, continuous coordination and consultation with local community officials, FEMA staff and FEMA review contractors are integral parts of this work.

ACE staff have been actively involved in several flood insurance studies within FEMA Region VIII, particularly in Larimer and Weld Counties. This work has included the collection of field data and hydrographic cross sections, development of flood hydrology and hydrologic modeling, hydraulic modeling and development of flood profiles, delineation of floodplains and floodways, identification of flood hazard areas and flood insurance risk zones, and the preparation of flood maps and draft reports.

### **Examples of ACE's FEMA related project experience includes:**

- CLOMR/LOMR: East Fork Carson River Stabilization, Minden, NV
- CLOMR/LOMR: Timberline Road Bridge/Cache La Poudre River, Fort Collins, CO
- CLOMR/LOMR: Centre Avenue Bridge/Spring Creek, Fort Collins, CO
- LOMR: Welch Street, Remington Street and Drake Road Bridges/Spring Creek, Fort Collins, CO
- CLOMR: Water Valley Floodplain/Floodway Investigation, Cache La Poudre River, Windsor, CO
- CLOMR/LOMR: Castle Rock Business Park, Tributary B to East Plum Creek, Castle Rock, CO
- LOMR: Sunridge Subdivision, Allison Draw, Cheyenne, WY
- CLOMR/LOMR: Ford Street Bridge, Clear Creek, Golden, CO
- LOMR-F: Hunter's Cove/Sheep Draw, Greeley, CO
- CLOMR: Stutler Canyon/Sheridan Creek Floodplain Evaluation, Douglas County, NV
- CLOMR/LOMR: Waterglen P.U.D., Cooper Slough, Fort Collins, CO
- LOMR: Eastman Park, Cache La Poudre River, Windsor, CO
- CLOMR/LOMR: Cottonwood Glen Park, Spring Creek, Fort Collins, CO
- CLOMR: Washington Street Bridge, Clear Creek, Golden, CO
- LOMR: Firestone Villas P.U.D., Tri-Area Drainageway, Firestone, CO



**Flood Damages Associated with 1997  
Spring Creek Flood, Fort Collins, Colorado**