



Small Communities Flooding Operations Planning Data Development (multiple sites) Floodplain Management Services/Silver Jackets Program Pilot Project - Iowa

U.S. ARMY CORPS OF ENGINEERS

BUILDING STRONG ®

Location

Iowa

State(s)

IA

Congressional District(s)

IA-1, IA-2

Description

This project will leverage recently the developed HEC-RAS model for the water surface information used to develop inundation maps for a range of flows (depth/extent) for the small communities. The map data will be coupled with hydrologic data to develop a succinct flood response plan that would include the identification and development of fundamental data (rate of rise, response measures, materials, quantities, evacuation, etc) needed in support of flooding operations planning. The flood response plan will be a proactive document that will harvest the knowledge gained through local experiences for future reference to prevent the knowledge being lost as personnel change over time. The development of topographic maps, inundation maps, and flood response plans will be completed based on the community's needs using existing observation infrastructure and modeling tools. Through the project, an inventory and evaluation of existing observation infrastructure such as stream gauges (USACE and USGS), meteorological gauges (NWS and NEXRAD) and hydrologic and meteorological forecasts (NWS) would be performed. The plans would identify emergency actions, quantify materials and lead times to help plan ahead rather than reaction mode during an event. The information will be useful for the USACE Flood Area Engineer and community as leadership and points-of-contact change over time.

Point of Contact: NONE PROVIDED

Phone: NONE PROVIDED

Email: NONE PROVIDED