

Interagency Projects

State	Project Name	Project Description	Partners
AK	Juneau Jokulhlaup Inundation Report	Provide information for the future modeling of jokulhlaups (glacier outburst) and better delineation of at-risk areas	NOAA, USACE, USGS, Local
AK	Koyukuk High Water Mark Information Gathering	Collect high-water marks, document flood history, provide a flood information report to the community, and provide a bilingual flood risk awareness poster in order to make people in Koyukuk and surrounding communities more aware of their flood risks.	Tribes, USACE, State, Local
AK	Lowell Creek Table Top Exercise and EAP	Plan and execute a table top exercise/develop a draft Emergency Action Plan that will establish a process and system for the City of Seward to address emergency flood response, including potential flooding from aging Lowell Creek flood diversion system.	NOAA-NWS, FEMA, USGS, USACE, State, Local
AK	Northwest Arctic Borough Data Gathering and Dissemination Effort	This project provides five villages in the NWAB with LiDAR and a bi-lingual flood hazard information poster for dissemination throughout the Borough.	USACE, State
AK	Willow Creek Predictive High Water Scenario Planning	Perform high water scenario modeling and mapping of Willow Creek by augmenting recently released FEMA maps to identify specific areas at risk beyond the regulatory floodplain; develop potential flood risk reduction measures.	NOAA NWS, USACE, USGS, State, Local, Private
AK	Yukon-Kuskokwim Adaptation and Resiliency Workshop	Provide an adaptation and resiliency workshop for the over 50 communities in the Y-K Delta Region. The workshop will validate data and develop strategies.	NOAA, Tribe, BIA, USACE, State, Other Federal
AL	Alabama Flood Warning System Enhancement Project	This effort will yield completed inundation maps for Birmingham hosted on NOAA NWS website, build points to reduce flood insurance premiums, and improve flood risk communication.	FEMA, NOAA NWS, USACE, USGS, State, Local
AL	Alabama Non-Structural Workshops	Deliver and record 2 workshops on nonstructural flood risk management methods targeting local municipal officials.	FEMA, USACE, State, Other Non-Federal
AL	Valley Creek Inundation Mapping (Birmingham)	Build a hydrology and HEC-RAS model to complete inundation maps that will be hosted on NOAA NWS website.	NOAA, USACE, State, Local
AL	Village Creek Property Flood Risk Reduction Assessment	Update existing structure inventory and perform non-structural flood risk analysis with recommendations on a structure by structure basis.	FEMA, USACE, State, Local
AR	Bob Kidd Dam Flood Risk Assessment, Mitigation Plan	A multi-purpose study to assess flood hazards, residual flood risk, dam break flood risk scenarios, and a mitigation strategy with an effective emergency response and communication plan, such as early warning systems.	USACE, USGS, State
AR	Lake Poinsett Hydrologic Analysis	Perform hydrological and hydraulic analyses for use by state in ensuring a dam's spillway is adequately sized.	USGS, USACE, State, Local
AR	Massey - Alexander Levee EAP	Assist with updating Emergency Action Plan and perform a levee breach analysis.	FEMA, USACE, State, Local
AR	Non-structural Assessment in the Little Rock area (Shannon Hills)	Provide the City of Shannon Hills with a comprehensive nonstructural assessment of repetitively damaged structures along the Otter Creek and Shannon Hills Tributary.	USACE, State, Local
AR	White County Emergency Evacuation Planning	Develop a comprehensive emergency evacuation plan for White County to be better prepared for any overtopping or breach of Greers Ferry Lake structures.	NOAA-NWS, FEMA, USACE, State, Local
AZ	Apache County Floodplain Management Integrating Post-Wildland Fire Impacts to Watershed Changes	Arizona Apache County Floodplain Management Integrating Post-Wildland Fire Impacts to Watershed Changes	USACE, USGS, State, Local
AZ	City of Apache Junction Flood Response Plan	Develop a Flood Response Plan and conduct tabletop exercises with the community and first responders to help the community be prepared to assist its at risk residents during a flood event.	FEMA, NOAA NWS, USACE, State, Local, Private
CA	CA QR Codes	Enhance citizen awareness of flood risk using digitally enhanced interpretation tools	USACE, State, Local
CA	CA Silver Jackets Webinar Support (Silver Jackets Webinar funding)	A series of webinars intended to familiarize local agencies about flood risk management initiatives and funding sources.	FEMA, NRCS, USACE, USFS, State
CA	California Flood After Fire Interagency Support Tools	Help communities prepare for flood hazards after wildfires by developing a summary of lessons learned from recent events, including technical data recommendations a community should have before an event occurs.	NPS, USACE, State
CA	California Post-Wildfire Resources Booklet	Develop an informational document and website that will provide a 'one-stop' compendium of resources available to agencies responsible for hazard recognition and recovery and increase public awareness of flood hazards that are present in areas affected by	BIA, FEMA, NRCS, USACE, USGS, State
CA	Communicating California's Flood Risk	Develop informational video product to increase public awareness of flood risk and specific non-structural actions to manage risk. The videos will focus on the specific flood risks in California's different regions (different videos for different regions)	USACE, State

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CA	Communicating Flood Risk- Multimedia	Develops additional videos as part of the Communicating California's Flood Risk effort that began in FY13.	USACE, State
CA	Drought and Flood Risk Resiliency through Green Infrastructure - Inventory & Effectiveness Investigation	Provide comprehensive data acquisition and georeferenced guide to share green infrastructure and help with long term flood/drought resiliency.	EPA, USACE, State, Local, University, Other Non-Federal
CA	Educational Course on Flood Risk and Flood Hazard Mitigation in California	To develop and supplement existing information provided to CA teachers with regards to Flood Risk.	NOAA NWS, USACE, State, Local, Private/University
CA	Flood Risk Outreach (Watershed University)	Coordination of outreach events and knowledge sharing to educate communities of practice in water, flood, and emergency management in California.	USACE, State, Local
CA	FY18 CA Flood Risk Education	Develop and implement educational and outreach materials that increase the public's awareness of interrelated risks.	NOAA, FEMA, USACE, Other Non-Federal, State, Local
CA	FY19 Communicating California Flood Risk	Take California flood risk education and outreach communication to the next level by developing new materials for communicating California's flood risk and expanding the audience to new stakeholders.	USACE, State, Local
CA	Los Angeles County Tabletop Exercises	Perform two table top exercises and assess the effectiveness of anticipated emergency operations in the event of a flood caused by levee overtopping downstream of a dam.	FEMA, USACE, State, Local
CA	Multi-city Flood Evacuation Planning Downstream of Whittier Narrows Dam	Work with 25 communities to develop coordinated flood response plan downstream of a dam.	USACE, State, Local
CA	Regional Summaries of Local Hazard Mitigation Plans	Review all projects contained in Local Hazard Mitigation Plans (LHMPs) in California and compile into a regional spreadsheet databases that summarizes all project information and identifies those that align with State priorities.	USACE, State
CA	Sacramento Risk Communication	Develop and promote key levee safety risk communication messages in coordination with the State's Central Valley Flood Protection Plan (CVFPP).	FEMA, USACE, State
CA	San Joaquin Subsidence Atlas	Create an atlas which visually displays the impacts of subsidence on flood system capacity along the San Joaquin flood bypass system.	USBR, USGS, FEMA, USACE, Other Non-Federal, State
CA	San Mateo County Vulnerability Analysis	Analysis to document current flood protection, model impacts of storms & sea level rise, identify critical infrastructure, and develop a needs assessment for San Mateo County.	USACE, State, Local, Private/University
CA	Sponsor Communication Plan	Coordination and development of local risk communication plans with three levee sponsors.	FEMA, USACE, Local
CA	Sponsor Risk Workshop	Hold three communication training and coordination workshops with 20 levee sponsors who represent about 127 levee systems and 2.5 million people at risk.	FEMA, USACE, Other Federal, State, Local
CA	Whittier Narrows Emergency Planning	Assist the city of Pico Rivera with emergency planning and aid other communities downstream of Whittier Narrows Dam with their own emergency planning.	USACE, State, Local
CA, NV, UT	Tribal Floodplain Management Workshops	Provide Floodplain Management and Emergency Response Workshops to Tribes to help them effectively plan for future flooding and manage their floodplains.	BIA, FEMA, USGS, USFS, USACE, 3 States, Inter-Tribal Council of Nevada
CO	Colorado 2013 Flood Recovery Nonstructural/ Floodplain Management Workshop	Three regional workshops scheduled during the anniversary of the September 2013 floods.	FEMA, USACE, State
CO	Colorado Floodplain Management Workshops	Conduct floodplain management workshops in multiple counties including participants from local, county, state, and Federal agencies in order to provide training to local floodplain managers about advanced topics.	FEMA, USACE, State, Local
CO	Colorado Ice-Jam and Ice-Affected Flooding Workshop	Conduct two all-day workshops to provide emergency managers and other local, regional, state and federal officials with technical information regarding ice-jam formation and ice-affected flooding.	FEMA, USACE, State
CO	Colorado Post-Wildfire Flooding Guide	Develop a guide to identify the potential flood impacts to watersheds after wildfire and provide agency partners and communities with the resources available to assist with flood preparation, response, and recovery.	FEMA, USGS, USDA-NRCS, USACE, State, Local
CO	Colorado Support After Fire	Communicate hazards to life and property, and resources available to those affected, in the immediate aftermath of a wildfire regarding elevated risk for flood-induced damages	Dept of Homeland Security, USACE, State
CO	Estes Park Flood Risk Analysis & NS Mitigation Assessment	Evaluation of commercial buildings in Estes Park flood hazard areas for nonstructural flood risk management.	USACE, State, Local
CO	Nonstructural Flood Risk Resiliency Assessment for Brush and Sterling, CO	Conduct nonstructural assessment to prioritize mitigation actions, address repetitive loss properties, and provide flood risk data. Conduct community education and outreach effort.	FEMA, USACE, State, Local

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CT	Connecticut Ice Jam Outreach and Workshop Program	Conduct five workshops and a webinar to provide greater understanding of ice jams and possible methods for mitigation and response, in follow-up to January 2018 ice jams in the Housatonic and Connecticut Rivers that caused flooding in nearby communities.	NOAA-NWS, USACE, State, Local
DC	DC Federal Triangle Interior Flooding Strategy and Planning	Engage stakeholders and flood experts in discussing and evaluating potential innovative solutions to reduce Federal Triangle flooding during two workshops and obtain support for agencies' leadership.	NPS, FEMA, USACE, NCPC, State, Local, Private
DC	Potomac and Anacostia Rivers Flood Inundation Mapping Tool, Washington, DC, and Vicinity	Flood inundation mapping tool will be developed for the Potomac River (riverine and tidal flooding) and Anacostia River (tidal flooding) in and around DC. Maps will be accessible using NOAA NWS and USGS mapviewers to inform the general public, local offi	FEMA, NOAA NWS, NPS, USACE, USGS, Local
DC	Potomac River Flood Fighting Exercise (SJ)	An exercise to test the effectiveness of the updated D.C. Flood Emergency Manual and provide a forum to address any additional changes that need to be made.	FEMA, NOAA NWS, NPS, USACE, USGS, Local
DC	Watts Branch Flood Risk Management Study	Conduct a flood risk mitigation study to assess existing and future condition flood risk; update hydraulic modeling and mapping to identify individual and watershed-wide structural and nonstructural strategies to mitigate future flood damages; and identif	EPA, FEMA, NOAA NWS, USACE, Local, Private/University
DC	Watts Branch Flood Risk Management Study (Phase II)	Identify flood risk management measures and develop concept plans for portions of Watts Branch, including neighborhoods with low income and public housing.	FEMA, USACE, EPA, NPS, Local, University, Other Non-Federal
DE	Delaware, Nonstructural Flood Proofing Assessment	Flood Risk Adaptive Measures assessments for the State of Delaware (all three Counties.)	FEMA, EPA, USACE, State, Local
DE	Delaware, Nonstructural Flood Proofing Workshops	Educational workshops on Flood Risk Adaptive Measures for all 3 counties in Delaware.	FEMA, HUD, EPA, USACE, State, Local, University
FL	Florida High Water Marking Strike Team	Identify high water mark (HWM) data requirements, develop a website where team members can submit the data in various forms (digital photos, videos, on-site report forms, river gage data and others), and conduct pilot testing and operational rollout of th	FEMA, NOAA NWS, USACE, State, Local
FL	High Water Strike Team Outreach Initiative	Provide training on using the newly developed web-based mobile collector app to collect and upload field information to the state's data base for processing.	USACE, State, Local
FL	Miami-Dade Interagency Coastal Flood Risk Study	Evaluate nature based and non-structural measures which may be implemented to reduce the impact of sea level rise across an array of future storm events.	FEMA, TNC, USACE, Local, Private/University
FL	Sea-Level Rise and Storm Surge Implications for Selected Inland Areas in the State of Florida	This project will highlight the latest USACE guidance on Sea Level Rise (SLR) and describe some of the tools currently available to assess SLR and storm surge data. Curves representing three potential future SLR scenarios will be developed for the St. Ma	NOAA NWS, USACE, USGS, State
FL	System-Wide Infrastructure Framework (SWIF)	Setup a dedicated USACE team to work with the state of Florida and other federal and local agencies /organizations to develop a System Wide Improvement Framework (SWIF) to address all levees within the state. Project will develop a an interagency approac	USACE, State
GA	Chattahoochee River Flood Forecast Inundation Mapping	Make flood forecast inundation maps readily available and easily accessible on NOAA NWS Advanced Hydrologic Prediction Service website for public officials, emergency managers, and the public. Maps will display the area and depth of flooding referenced t	FEMA, NOAA NWS, USACE, USGS, State
GA	City of Helen, White County, GA, Flood Inundation Mapping Project	Make flood forecast inundation maps readily available and easily accessible on NOAA NWS Advanced Hydrologic Prediction Service website for public officials, emergency managers, and the public. Mapping tool will display the area and depth of flooding refe	FEMA, FHWA, NOAA NWS, USACE, USGS, State
GA	City of Hiawassee, Towns County, GA, Flood Inundation Mapping Project (SJ)	Make flood forecast inundation maps readily available and easily accessible on NOAA NWS Advanced Hydrologic Prediction Service website for public officials, emergency managers, and the public. Mapping tool will display the area and depth of flooding refe	FEMA, FWHA, NOAA NWS, USACE, USGS, State
GA	Flood Forecast Inundation Mapping, Etowah River of the Coosa Watershed, City of Canton, GA	Make flood forecast inundation maps readily available and easily accessible on NOAA NWS Advanced Hydrologic Prediction Service website for public officials, emergency managers, and the public. The mapping tool will display the area and depth of flooding	FEMA, FHWA, NOAA NWS, USACE, USGS, State
GA	Flood Forecast Inundation Mapping, Ocmulgee River, City of Macon/Bibb County	Make flood forecast inundation maps readily available and easily accessible on NOAA NWS Advanced Hydrologic Prediction Service website for public officials, emergency managers, and the public. Mapping tool will display the area and depth of flooding refe	FEMA, FWHA, NOAA NWS, USACE, USGS, State
GA	Flood Inundation Mapping City of Bainbridge	Make flood forecast inundation maps readily available and easily accessible on NOAA NWS Advanced Hydrologic Prediction Service website for public officials, emergency managers, and the public. The mapping tool will display the area and depth of flooding	FEMA, NOAA NWS, USACE, USGS, State, Local

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GA	Flood Inundation Mapping for Bainbridge, Georgia	Prepare Flood Inundation Mapping in the City of Bainbridge, due primarily to the overflow of the Flint River.	NOAA-NWS, USGS, FHWA, USACE, State, Local
GA	Interagency Nonstructural Flood Risk Management Project, Rocky Creek Watershed - "Hyde Park", City of August/Richmond County, Georgia	Assist the City of Augusta/Richmond County in determining the benefits and costs of acquiring, demolishing, and relocating all properties and residences to eliminate future flood risks, consequences, and costs.	FEMA, USACE, State, Local
GA	Macon Levee Safety Project	Use the newest RAS2D hydraulic modeling tool to model overland areas as dynamic, 2D grids rather than level pool storage areas to more clearly define flood risks to plan risk reduction measures for the City of Macon/Bibb County.	FEMA, FHWA, NOAA NWS, USACE, USGS, State
IA	Clinton, Iowa Levee Breach Flood Preparedness	Collaborative levee breach scenarios will inform emergency management planning, including evacuation routes and planning and will serve as a readiness measure to reduce future life and safety risks involved with flood events.	USACE, State, Local
IA	Community Based Hydrologic Warning System for Indian Creek, Linn, County, Iowa	Design a flood warning system for the Indian Creek Watershed using existing observation infrastructure and modeling tools, and by identifying data gaps and information needs necessary for creating a system capable of providing communities with adequate ti	USACE, State, Local
IA	Evaluation of Urban Flooding Scenarios, Des Moines, IA	Using GIS data available from the Iowa LIDAR Project and the City of Des Moines for flood inundation modeling. A levee breach analysis will assist the city with planning and preparing to reduce flood risk .	USACE, State, Local
IA	Floodplain Management and Risk Communication	Assembled a geodatabase including involvement in NFIP, quantification of risk and adoption of various ordinances by community. Developed a process for quantifying flood risk in areas without FIRM maps and compared HAZUS results with USACEs method at Cedar	FEMA, NRCS, USACE, State, Local
IA	Hamburg Iowa Nonstructural Proposal	Provide the City of Hamburg with a comprehensive nonstructural assessment to identify and prioritize mitigation options, and provide flood risk reduction guidance to individual home and business owners.	USACE, State, Local
IA	Inundation Mapping Below 3 USACE Iowa Reservoirs	Visualization of USACE reservoir release inundation information and generation of inundation maps on the Iowa Flood Information System (IFIS).	NOAA, USACE, FHWA, State, Local
IA	Iowa Highwater Signs and Webtool Community Outreach and Education Program	Install 40 high water mark signs in locations with a link to public interaction and flood risk and develop a Silver Jackets website.	FEMA, NOAA NWS, USACE, USGS, State, Local
IA	Iowa Silver Jackets Pilot Product Outreach Communication	With the successful development of inter-agency silver jacket pilot products; state, county, community-wide conference venue outreach will facilitate dissemination of flood preparedness tools to engineering and emergency management personnel audiences.	NOAA-NWS, USACE, State, University
IA	Iowa Water Quality Flood Risk Reduction Project	Provide a detailed flood risk analysis for 8 communities that will determine mitigation measures for infrastructure damages and source water contamination that puts communities at risk for exposure to contaminated drinking water.	USDA-NRCS, USACE, State, University
IA	Iowa-Cedar Agricultural Flood Risk	Estimate potential agricultural loss associated with flooding of row crops along the Cedar River main stem. Partner with USDA agencies to identify where repetitive damages and landowner interest may warrant federal interest in non-structural actions (cons	FEMA, NRCS, USACE, State
IA	Living Behind a Levee (Cedar Falls), Evaluation of Urban Flooding Scenarios to Support Risk Communication and Evacuation Planning	Completed levee breach analysis for city's use to plan and prepare.	USACE, Local
IA	Missouri River Left Bank Levee Resilience Mapping	Produce breach inundation mapping, focusing on 3 levee areas along the left bank of the Missouri River.	FEMA, USACE, State, Local
IA	Nonstructural FRM Iowa Bridge Sensor Rating Curve FRM Demonstration Project - Phase I	Investigate potential uses and limitations of developing stage-discharge rating curves at bridge sensor locations to maximize the value of the bridge sensor by providing flow information to the downstream community. Develop a procedure for developing data	NOAA NWS, USACE, USGS, State
IA	Nonstructural Iowa Bridge Sensor Rating Curve Demonstration Project Phase 2	Use existing IFC bridge sensor network (IFIS) data to demonstrate the need for rating curve development at bridge sensor locations. Study partners will develop a standard procedure for rating curve data collection using available data (Iowa state LIDR dat	NOAA NWS, USACE, USGS, State
IA	Non-Structural Land use change Impacts on Structure Losses in Cedar River Communities	Estimate the change in potential structure loss in numerous communities in the Cedar River basin by simulating altered hydrology and flood stages based on land use changes.	FEMA, USACE, State, Local

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IA	Risk Communication, Clinton, IA	Use Levee System Risk Summary information to introduce the community to mitigation actions for each risk driver identified, for possible updating of hazard mitigation plan and/or levee-focused emergency response plan.	FEMA, HUD, USDA, NOAA, USGS, USACE, State, Local
IA	Rock Valley and Rock Rapids, Iowa, Flood Risk Analysis with Nonstructural Mitigation Assessment (SJ)	Provide both rural communities located along the Rock River comprehensive flood risk analyses and nonstructural mitigation assessments to identify, prioritize, and recommend mitigation strategies as a function of a multiple phase approach by State to reduce	USACE, State, Local
IA	Upper Wapsipinicon Collaborative Flood Forecasting Tools	Install automated weather stations and bridge sensors to assist in flash flood forecasting.	NOAA, USACE, State, Local, University
IA	Walnut Creek Flood Loss Avoidance Analysis	Model future scenarios and economic impacts of structural and non-structural mitigation alternatives.	FEMA, USDA, EPA, NOAA, USACE, USGS, State, Local
ID	Boise River Water Management Simulation Challenge	Create a animated video game simulation for the Boise River that will challenge users to balance flood risk, water supply, and environmental priorities on a multi-purpose managed system.	NOAA NWS, USACE, USBR, USGS, State, Local
ID	Floodplain Management Workshops	Conducted three workshops around Idaho focused on connecting principles of effective floodplain management with specific strategies, focusing on low impact development.	NOAA NWS, USACE, USGS, State
ID	Glenwood Gage Sign - Flood Risk Educational Display	Provide new interpretive signage at the Glenwood Gage on the Boise River to communicate flood risk. Content will include new flood risk mapping, information on USGS WaterAlert, WaterNow, and other monitoring tools or contextual information.	NOAA NWS, USACE, USBR, USGS, State
ID	Idaho Firm Digitization	Convert paper FIRMs from 1980's and to GIS database hosted on FEMA GeoPlatform.	FEMA, USACE, State
ID	Idaho Post-Disaster Workshops	Provide a series of three workshops across the state of Idaho providing contextual information about multi-agency assistance after flooding and related natural disasters.	FEMA, NOAA-NWS, USGS, USBR, NRCS, HUD, USACE, State
ID	Idaho Post-Wildfire Response and Recovery Action Guide	Create a response and recovery action plan and accompanying materials to assist counties and cities with quickly identifying needs and connect with appropriate agencies to respond to flood risk following wildfires.	FEMA, NOAA NWS, 66.0NRCS, USACE, USGS, State
ID	Idaho Regional Flood Risk Workshops	Conducted four workshops to communicate nonstructural methods for reducing flood risk.	FEMA, NOAA NWS, USACE, State
ID	Idaho Video Training - "So You're a Floodplain Manager"	Develop a resource guide media package that includes a short video summarizing local community floodplain manager' roles and responsibilities and agency resources available to support local community floodplain managers. Media package will include index	FEMA, HUD, NOAA NWS, NRCS, USACE, USBR, USGS, State
ID	Post-wildfire Flood Risk Mitigation Resource Guide (SJ)	Prepare a Post-wildfire Flood Risk Mitigation Resource Guide for use by local communities to promote and support a coordinated, multi-agency approach.	FEMA, NOAA NWS, NRCS, USACE, USBR, USGS, State, Private/University
ID	Remapping the Floodplain Following the Teton Dam Failure of 1976	Provided new river cross-sections, updated hydrologic study, and updated hydraulic model for a 6-mile reach of the South Fork Teton River. The end product will be technical data for city of Rexburg and Madison County to submit a LOMR.	FEMA, USACE, State, Local
ID	South Fork Coeur d'Alene Watershed Flood Risk Mitigation Action Plan	Develop a flood risk mitigation action plan and established a local Flood Risk Management Working Group to implement the plan.	FEMA, NOAA NWS, USACE, USGS, State
ID	Stanley, Idaho, Custer County Floodplain Mapping Project	Complete flood hazard AE zone mapping on Valley Creek, Salmon River, Meadow Creek and Goat Creek for the community of Stanley.	FEMA, USACE, State, Local
IL	Alexander County and Cairo, IL, Area Levee Breach Analysis for Risk and Evacuation Planning	Analysis to quantify potential flood risk and aid in developing an emergency action plan to reduce potential consequences from inundation of the area. Analysis will use HEC-RAS 2-D model to simulate several breach inundation scenarios and examine consequ	USACE, State, Local
IL	Alexander County, Cairo, IL Risk Communication	Communicate recent mapping information with inundation depths and limited egress routes to promote understanding of risks associated with levee breach.	FEMA, USACE, State, Local
IL	Cal-Sag Channel Non-Structural Flood Risk Management Study Proposal	Evaluation of nonstructural flood risk management study	USACE, Local
IL	Coordination of Illinois Flood Risk Information Development, Utilization and Communication with the National Levee Database (NLD)	-	FEMA, USACE, State
IL	Des Plaines River Flood Inundation Mapping Analysis & Resilient Project Planning	Integrate first floor elevation data with inundation mapping for the upper Des Plaines River to develop products for use by emergency managers, floodplain managers, and local officials.	USACE, State, Local
IL	Flood Response Map Book	Provide a "quick reference guide" map book for a levee system, offering a quick overview of the system and its critical elements to those not familiar with it.	USACE, State, Local

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IL	Flood Risk Preparedness Communication Rock Island Levee Breach Analysis	Conduct levee breach analysis to improve emergency planning and communication of residual risk.	USACE, Local
IL	Flood Risk Preparedness Sid Simpson Levee System	Provide hydraulic modeling and mapping analysis identifying residual risk associated with the levee protecting the area to inform flood event emergency management planning and readiness measures.	FEMA, USACE, State, Local
IL	Flood Zone Alliance	Implement a Flood Zone Alliance (FZA) pilot project that will develop instructions for and explore opportunities to establish a FZA for the lower Sangamon River valley.	FEMA, USACE, State, Local
IL	Helping Communities Get Rain Ready, Chicago Region	Provide guidance to participating communities on how to adopt Rain Ready plans aimed at keeping residences secure and dry, services running, and rivers and lakes clean. Rain Ready is an innovative national collaborative initiative aimed at helping communi	EPA, FEMA,USACE, State, Local
IL	IDNR UMR Inundation Mapping and Risk Assessment Project	Develop a database of structural flood damage assessment utilizing first floor/low entry information, provide outreach/training to communities.	USACE, State, University, Local
IL	Iowa Flood Risk Data Inventory	Compile Federal, state, and county metadata from different flood risk data into a single source and post online (Iowa Flood Information System [password protected web-page]).	FEMA, NOAA NWS, USACE, USGS, State
IL	Jersey County, Illinois Loss Avoidance Study	Develop Loss Avoidance Study to document the monetary and social benefits of strong floodplain management program.	FEMA, USACE, State, Local
IL	Middle Mississippi Flood Prone Structure Inventory	Assess flood prone communities along the middle Mississippi River developing priorities and strategies to address flood risk through mitigation actions.	USACE, State, Local
IL	Mobile Information Collection Application - Phase II	Builds upon knowledge from MICA Phase I to develop and incorporate additional essential features such as a sketch tool, photo geo-location documentation, and data storage and retrieval.	FEMA, NOAA NWS, USACE, State, Local
IL	Mobile Information Collection Application IL Demonstration Project - Phase I	Establish a standard operating procedure (SOP) to provide the Illinois Emergency Management Agency (IEMA) and the Department of Natural Resources, Office of Water Resources (IDNR-OWR) personnel log-in access to MICA (mobile information collection applicat	FEMA, NOAA NWS, USACE, State, Local
IL	Mobile Information Collection Application Phase III	Continued development of log-in accessible mobile information collection application (MICA) tool which includes a sketch tool, photo geo-location documentation, data storage and retrieval.	FEMA, NOAA NWS, USACE, State
IL	Small Communities Flooding Operations Planning, (Barstow and Carbon Cliff, IL)	Provide products and technical expertise to support the communities of Barstow and Carbon Cliff's special committee that is examining flood response methods in the aftermath of 2013 flooding.	FEMA, USACE, Local
IL	Structural Flood Damage Assessments	Develop a risk communication tool for communities living behind levees. Complete structural flood damage assessments for all structures located in the portion of the City of Rock Island located behind the Mississippi River levee system using multi-frequen	USACE, State, Local
IL	Wood River Levee Evacuation & Emergency Action Plan	Assist local and state emergency, transportation and water management officials to develop an evacuation and emergency action plan for implementation.	USACE, State, Local, University, Wood River Drainage and Levee District
IL/MO	NEPA Fast-Track of Borrow Areas for Non-Federal Levees on the Upper Mississippi (FCCE)	Pre-identify levee borrow areas to reduce time and costs during future flood response events.	USACE, State, Local
IN	Development of an Integrated Flood Risk Assessment Program for Observation and Flood Forecast Points in Indiana	Build a comprehensive flood risk reduction program for Orange County and use it as a model for other flood-prone communities. Model will include elements of mitigation planning, public outreach, and science-based response and recovery actions.	USACE, USGS, State, Local
IN	Development of Integrated Flood Response Plan for Orange county, Indiana	Add a HAZUS module to the flood inundation map libraries, including a Level 2 Risk Analysis, agency training, and outreach efforts.	USACE, USGS, State, Local, Private/University
IN	Indiana Silver Jackets – IndianaMap Flood Mitigation Planner (IFMP) Pilot	Enhance IndianaMap to include a Flood Mitigation Planning module to better equip decision makers, officials and developers in Indiana with information in support of risk-informed choices to make their projects resilient today and into the future.	USACE, State, University
IN	Salem, Indiana Flood Rspnse Plan	Review/consolidate previous federal & state flood studies into one document, provide flood inundation map and flood response plan based on previously developed IN State template.	USDA, USGS, FEMA, USACE, State, Local
KS	Action Items for Flood Risk Management in the Wildcat Creek Watershed	Produced a Floodplain Management Plan and a Flood Forecast Inundation Map. Inundation map is available NOAA NWS AHPS website and is tied to new gages. A warning system will be tied to the gages for action flood stages.	NOAA NWS, USACE, State, Local
KS	Big Blue and Kansas Rivers Confluence - Flood Inundation Mapping	Develop flood forecast inundation maps and future development conditions flood inundation maps. maps are posted on NOAA NWS Advanced Hydrologic Prediction Services website.	FEMA, NOAA NWS, USACE, USGS, State, Local

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KS	Big Blue and Kansas Rivers Confluence - Floodplain Management Plan	Develop a Floodplain Management Plan documenting flood risk, action items, emphasizing possible elevation of homes, and clarifying risks near the USACE levee and dam.	FEMA, USACE, State, Local
KS	Cross Creek, Rossville, Kansas Flood Forecast Inundation Maps	Produced a Flood Forecast Inundation Map available on the NOAA NWS AHPS website, tied to an existing gage.	NOAA NWS, USACE, State
KS	Emergency Action Plans for Dams in Kansas	Conduct learning sessions about NRCS and KDA Emergency Action Plans (EAPs) and develop EAPRs.	FEMA, NOAA NWS, USACE, USGS, State, Local
KS	Florence KS Non-structural Flood Risk Assessment	Develop an existing conditions non-structural flood risk assessment for city of Florence that will identify structures and infrastructures at risk and evaluate life loss and flood damages.	USACE, State, Local
KS	Kansas High Water Mark Signs	Provide flood signs to raise awareness about historic flood events. An expected 40 cities will help develop historic signs with a photo, story, and correlated flood depth.	FEMA, NOAA, USGS, USACE, State, Local, Private
KS	Kansas Interagency Recurring Flood Area Identification and Outreach	Create and enhance a collaborative database focused on improving flood forecasting; community outreach on flood mitigation measures.	NOAA, FEMA, USGS, USACE, State
KS	Kansas Nonstructural Repetitive Loss Update	Update and verify the contents of the repetitive loss list; validate repetitive loss properties in the database; offer technical services to communities.	FEMA, USACE, State, Local
KS	Manhattan, KS, Levee Risk Communication	Conduct a tabletop exercise that will help the community identify and enhance public risk communication, including updates to a floodplain management plan and development of an emergency action plan.	FEMA, USACE, State, Local
KS	MLDDA Risk Communication Newsletter	Develop six editions of a newsletter integrating the state with levee sponsors through a partnership with the Missouri Levee & Drainage District Association (MLDDA).	FEMA, USACE, State, Other Non-Federal
KS	New Era Flood Risk Management Options for Ottawa	Synthesize partner risk information in leveed areas and inform decision on next steps of flood risk management work considering nonstructural measures and developing mitigation actions.	FEMA, USACE, State, Local
KS	Nonstructural Measures for Kansas' Little Apple	Evaluate and group properties with specific nonstructural measures to supplement an over-arching Flood Hazard Mitigation Plan in the City of Manhattan, KS. Produce cost engineering estimate and economic analysis, including a benefit-cost.	HUD, USACE, State, Local
KS	Osawatomie, KS	Develop inventory of risks, hazard mitigation actions, and citizen risk communication strategy and incorporate into emergency action plan and amend regional hazard mitigation plan. Conduct public outreach meeting and table top exercise in disaster vision	FEMA, USACE, State, Local
KS	Pottawatomie County Kansas Flood Plain Management Plan	Conduct hydrology and hydraulic studies and develop inundation maps to support a comprehensive floodplain management plan in Pottawatomie County.	USACE, State, Local
KS	Rossville Nonstructural Assessment and Outreach	Provide the community with a nonstructural workshop, conduct a nonstructural assessment of measures, and follow up with a public meeting on the most feasible alternatives for adjusting structures affected by the base flood.	FEMA, USACE, State, Local
KS	Salina Interagency Levee Risk Communication	Facilitate a levee/dam safety table top exercise in Salina, KS, with local partners and agencies.	FEMA, NOAA, USACE, State, Local
KS-MO	Advanced Floodplain Course	Develop a course outline tailored to floodplain managers at the community level that goes beyond regulatory work and teaches flood hazard mitigation. Course would eventually be hosted at regional planning councils having a government training institute.	FEMA, USACE, State, Local, Private/University
KY	City of Liberty (Casey County), KY flood mitigation alternatives analysis and community resilience plan	Perform an analysis of the recent flooding in Liberty, KY and develop some alternatives that local officials could implement. In addition, assist local officials with development of a community resilience plan.	USACE, State, Local
KY	Flood Inundation Mapping along the North Fork of the Kentucky River, Hazard, KY	Build a flood inundation map library for the city of Hazard, KY	NRCS, USACE, USGS, State, Local
KY	Flood Inundation Mapping, Falmouth	Build a flood inundation map library for the city of Falmouth, KY	HUD, USACE, USGS, State, Local
KY	FRM Tabletop Exercise and Preparedness Planning	Conduct a tabletop exercise with multiple entities to aid in flood risk management preparedness and response and identify actions each entity can take to reduce flood risk and save lives.	FEMA, USACE, State, Local
KY	Green Infrastructure & Low Impact Development Planning SHMP	Integrate green infrastructure and low impact development concepts with Commonwealth of Kentucky state hazard mitigation planning efforts; leverage EPA IV, KY Silver Jackets expertise to collaborate funding and planning initiatives benefiting the state.	FEMA, EPA, USACE, State
KY	Inundation Mapping Expansion and Enhancement, Frankfort, KY	Build a flood inundation library utilizing existing dam and levee failure analyses for the Kentucky River in and near Frankfort.	USACE, USGS, State, Local
KY	Kentucky Flood Risk Management Guidebook Development	Develop a Flood Risk Management Guidebook for use by local flood risk managers	USACE, State

Interagency Projects

State	Project Name	Project Description	Partners
KY	Levee System Enhanced Emergency Response Plan, Louisville	Perform failure analyses of Louisville's flood protection system and provide technical assistance on their emergency response plan.	FEMA, HUD, USACE, Local
KY	LIDAR Data Assessment for Non-Levee Embankments in Daviess County, KY	Use LIDAR data and GIS technology to identify non-levee embankments in Daviess County, KY	NRCS, USACE, State
KY	Southeastern Kentucky Loss Avoidance Study	Assess the performance of projects and impacts to the National Flood Insurance Program (NFIP) by quantifying actual losses avoided (currently only estimates) to demonstrate the success of completed mitigation projects.	FEMA, USACE, USGS, State, Local
KY	Turn Around Don't Drown Public Relations Campaign	Educate Kentucky drivers about the dangers of driving into flooded roads through public service announcements delivered by "Kentucky celebrities" on selected media outlets and distribution of educational posters and pamphlets through emergency management	USACE, State
LA	2016 Flood Response - East Baton Rouge Parish Flood Risk Management Analysis	Develop updated models & complete a Master Stormwater Management Plan for floodplain management in the area. The proposed master plan will identify & prioritize flood risk management alternatives.	USACE, State, Local
LA	City of Baker Drainage Infrastructure Analysis	Convert existing hard-copy drainage infrastructure as-built drawings into GIS layers for floodplain management use by the City of Baker, which currently lacks digital files of existing drainage infrastructure.	FEMA, USACE, State, Local
LA	City of Mandeville, LA, Flood Risk Management Mitigation Analysis	Provide the City of Mandeville with an assessment of flood events and develop alternatives to reduce current flooding issues. Analyze previously identified alternatives to identify an economically feasible path forward to reduce flood damages	USACE, State, Local
LA	City of New Orleans Green Infrastructure - Phase I	Identify high-hazard areas within the New Orleans area drainage system to target areas where nonstructural approaches could be implemented to reduce flood stages. Approaches include more resilient, nature-based approaches such as green infrastructure.	EPA, USACE, State, Local, Private/University
LA	Coastal LA Tracking System	Develop a tracking system and website to document nonstructural improvements identified by the 2017 Louisiana Comprehensive Master Plan.	State, Local, USACE, Private
LA	Coastal Louisiana Vulnerability Analysis - Phase I	Identify the storm surge exposure of critical facilities and infrastructure (including public safety facilities, medical services, public utilities, governmental offices, etc.) to Southern Louisiana communities (cities of Morgan City and Golden Meadow)	USACE, State, Local
LA	Denham Springs Green Infrastructure Analysis	Expand existing Building Blocks for Sustainable Communities workshop linking land use to water quality and flood stage reductions; develop Green Infrastructure Alternatives and document locations for future implementation.	FEMA, EPA, USACE, State, Local
LA	Flood Risk Analysis and Mapping System, Bayou Teche, St. Martin Parish, Louisiana	Expand existing hydraulic model for the St. Martin Parish portion of Bayou Teche to develop an interactive mapping system to determine Base Flood Elevations.	FEMA, USACE, State, Local
LA	Flood Risk Management Strategies for Terrebonne Parish	Develop a toolkit that will provide guidance on flood risk management approaches and best practices and conduct a spatial analysis providing maps that identify areas conducive to nonstructural approaches and potential community resettlement target areas.	USACE, State, Local
LA	HSDRRS East Bank Levee Risk Communication & Engagement	Inform stakeholders of the risks of living behind a levee system through a risk communication and engagement plan.	FEMA, USACE, State, Local, Other Non-Federal
LA	HSDRRS West Bank Levee Risk Communication & Engagement	Inform stakeholders of the risks of living behind a levee system through a risk communication and engagement plan.	FEMA, USACE, State, Local, Other Non-Federal
LA	Jean Lafitte Emergency Preparedness/Communication Plan	Update Parish Emergency Preparedness Plan and Elevation Design Guidelines. Tailor Coastal Development Standards.	USACE, Local
LA	Lafayette Parish, LA, Flood Risk Management Mitigation Analysis	Provide Lafayette Parish with an assessment of flood events and develop alternatives to reduce current flooding issues across the Parish. Analyze identified alternatives to identify an economically feasible path forward to reduce flood damages	USACE, State, Local
LA	Lake Arthur Infrastructure Analysis	Analyze existing conditions in support of the developing flood risk management alternatives that address infrastructure deficiencies and offer nonstructural alternatives in the Town of Lake Arthur.	USACE, State, Local
LA	Louisiana Flood Resilience Outreach	Undertake outreach effort for communities affected by the 2016 Louisiana Floods, with workshops conducted in the Communities of Baker, Denham Springs, and Tangipahoa Parish. Following the workshops, a website will be developed for information sharing.	FEMA, EPA, USACE, State, Local



Interagency Projects

State	Project Name	Project Description	Partners
LA	Southeast Louisiana Non-structural Mitigation Analysis	Provide St. John and Ascension Parish with an assessment of flood events and develop non structural alternatives to reduce current flooding issues.	USACE, State, Local
LA	Terrebonne Living Mitigation Project	Provide sustainable flood risk management alternatives to protect the public and reduce flood damages in Terrebonne Parish using living mitigation, or vegetative, techniques. Primary approaches include increasing the extent of interior marshlands and the	USACE, State, Local
MA	Town of Charlemont Flood Risk Management Plan	Develop a flood risk management plan and updated evacuation plan for the town of Charlemont that will improve preparation and coordinated response.	USACE, USGS, State, Local
MD	Baltimore City Nonstructural Analysis	Evaluate floodproofing measures for prototypical historic structures in Baltimore City. Complete surveys of historic structures and compare the advantages and disadvantages of various measures.	NOAA NWS, USACE, State, Local
MD	Coastal Flood Training for Maryland Floodplain/Emergency Managers	Conducted a two-day workshop for state and local floodplain managers, emergency managers, and decision makers to ensure awareness of products and guidance available to manage coastal flood risks.	FEMA, NOAA NWS, USACE, State
MD	Cumberland-Ridgeley Flood Risk Management Project Outreach Brochure	Develop and distribute a brochure to educate homeowners, business owners, and other stakeholders of the benefits and risks associated with the Cumberland-Ridgeley Flood Risk Management Project	FEMA, NOAA NWS, USACE, State, Local
MD	Flood Warning Tool	Develop an innovative tool that predicts flood inundation based on the integration of the National Weather Service's new National Water Model and recent HEC-RAS modeling associated with FEMA's RiskMAP process.	NOAA-NWS, USACE, State, Local
MD	Maryland Non-Structural Flood Proofing Workshops	Hold three days of workshops to provide training and information on non-structural flood proofing methodologies.	FEMA, USACE, State, Local, Other Non-Federal
MD	Prince Georges County, MD, Levee Risk Communication	Convene a levee risk outreach public meeting for 6 levee systems in Prince Georges County, Maryland.	FEMA, USACE, State, Local
ME	Gardiner Floodproofing Pilot	Provide an assessment of potential flood proofing measures to help with the City of Gardiner's downtown economic redevelopment.	USGS, NOAA, FEMA, USACE, State, Local
ME	Hurricane Surge Inundation Areas and Draft Hurricane Evacuation Zones for Maine Coastal Communities (USACE, MGS, MEM)	Create Hurricane Surge Inundation Areas and Draft Hurricane Evacuation Zones for Maine's coastal communities.	FEMA, USACE, State
ME	Hydraulic Structures Failure Analysis	Supported ongoing multi-agency program to complete a hydraulic structural failure analysis for over 600 structures, identifying at-risk culverts.	USACE, USFWS, State
ME	Maine Coastal High Water Marks, York and Portland	Locate, survey, and create spatial database of high water mark data collected in 1978. Use data to conduct public outreach, including posting of high water mark signage.	FEMA, NOAA NWS, USACE, USGS, State, Local
ME	Map Revision from Flood Risk Reduction in Penobscot River	Assist in preparing a LOMR application using existing data to reflect reduced Special Flood Hazard Area (SFHA) associated with removal of two run-of-river dams.	FEMA, USACE, State, Local, Private/University
MI	Early Flood Warning System for Greater Lansing Area	Develop a flood warning system supported by an inundation mapping tool to reduce flood risk and protect property and lives in the Greater Lansing Area, MI.	USACE, USGS, Local
MI	Huron River Nonstructural Flood Risk Reduction Assessment and Analysis	Evaluate the feasibility of nonstructural measures to reduce flood risk in the floodplain of the Huron River from upstream of Strawberry Lake through Ore Lake and upstream to US-23 within the communities of Hamburg Township and Green Oak Township.	NOAA NWS, USACE, USGS, Local
MI	Kalamazoo Flood Warning Project	Create a USGS online Flood Inundation Mapping tool to be used by the City of Kalamazoo for flood hazard warnings, future flood mitigation planning and flood risk reduction activities.	NOAA-NWS, USGS, USACE, Local
MI	Michigan StreamStats	Create a StreamStats web application for all of Michigan.	USACE, USGS, State
MI	Muskegon River Flood Warning System	Develop a warning system to enhance the County's ability to give accurate and specific alerts to the impacted population, such as evacuations, road closures, post-flood recovery efforts, and identification of future flood mitigation projects.	NOAA NWS, USACE, USGS, Local
MI	Nonstructural Flood Proofing Workshop	Conduct workshop providing information about general data requirements for conducting plan formulation, data assessment process, and economic analysis process to develop a benefit-cost ratio. Assists with identifying hydrologic and nonstructural plan for	USACE, State, Local
MN	Bluff Erosion Risk Reduction Study	Develop a GIS-based risk assessment tool for bluffs and steep slopes adjacent to streams and rivers to assist with the development of local setback ordinances and other risk mitigation measures.	NRCS, USACE, State, Local, Private/University
MN	EAP Development in the Minnesota River Basin	Conduct three facilitated day-long emergency action plan (EAP) development workshops for communities and counties in the Minnesota River basin.	USACE, State, Local

Interagency Projects

State	Project Name	Project Description	Partners
MN	Emergency Action Plan Guide Book	Develop a template that communities can use to develop emergency action plans (EAP's) that identify risks and mitigation opportunities, incorporating flood response, evacuation plans, and communication to the public.	NOAA NWS, USACE, USGS, State
MN	Emergency Action Plan Workshop Itasca County	Conduct an eight-hour flood emergency action plan development workshop in Itasca County, MN, for municipal and county officials.	USACE, State, Local
MN	Flood Inundation Warning System for Downtown St. Paul	Develop a flood inundation map library to provide enhanced flood warning, urban planning, improved response, and public education, for the Mississippi River through St. Paul.	NOAA NWS, USACE, USGS, State, Local
MN	Flood Plain Information and High Water Mark Signs	Promote flood plain awareness and education by placing high water mark signs, place kiosks/displays in flood plain parkland, enhance museum displays, and provide a common brochure for all partners to distribute.	NPS, USACE, USGS, FEMA, State, Local, Science Museum of MN
MN	Lake of the Woods Wind-Wave Analysis	Analyze wind-wave conditions on Lake of the Woods to generate wave heights and wind setup for a full range of wind speeds and directions. Analysis would be used to develop new rock riprap design standards that would be specific to certain reaches of the	NOAA NWS, USACE, USGS, State, Local
MN	Mapping Undocumented Levees Using GIS	Use GIS-based analysis with high-resolution LiDAR data to develop a portable method to find and parameterize undocumented levees.	NOAA NWS, USACE, USGS, State, Local
MN & ND	Pre-Flood Planning Information Package	Compile information used to determine forecast stages that require community action to help agencies identify where advance measures. Incorporate information into NOAA NWS Advanced Hydrologic Prediction Service to facilitate warnings.	FEMA, NOAA NWS, USACE, USGS, State, Local
MN & ND	Red River of the North Basin Flood Forecasting Improvement Project	Evaluate lesser-known hydrologic forecast parameters such as soil moisture and temperature progression, freeze-thaw infiltration, and others to improve flood forecasting for the RRN	NOAA NWS, USACE, USGS, State
MO	Buchanan County Levee Districts' Hazard Mitigation Measures	Create a fill-in-the-blank style template for development of Levee District Emergency Action Plans (EAP) in Buchanan Co. and complete an EAP/Evaluation Plan for the Hall Levee District.	FEMA, USACE, State, Local
MO	City of Brentwood Flood Risk Mitigation Analysis	Urban nonstructural flood analysis	USACE, Local, Private/University
MO	City of Louisiana Mitigation Analysis - Phase I	Conduct study to understand recurrent backwater flooding the Mississippi River along the Town Branch and Noix Creek and identify potential areas of enhancement.	USACE, USGS, State, Local, Private/University
MO	Devil's Elbow Nonstructural Assessment	Evaluate nonstructural measures for 12 properties at Devil's Elbow in Pulaski County, MO, including buyout and relocation; hold meetings, including an open house, explaining risk management options.	USACE, Local, Private
MO	Fast Track to Borrow Tool - Phase II	Develop tool to provide and sustain comprehensive flood response and recovery within the St. Louis District watershed boundaries, by reliably minimizing response time and reducing costs to the public. Tool synthesizes pertinent data (emergency response,	USACE, State, Local
MO	Flood Inundation Mapping for Lower Meramec River	Create flood inundation map libraries for the lower Meramec River basin for Pacific, Eureka, Valley Park, Fenton, and Arnold and Bourbeuse River near Union will also be completed.	USACE, USGS, Local
MO	Flood Master Training	Provide basic flood risk management training, beyond regulatory and tying in mitigation, for community floodplain administrators in 4 quarterly webinars and training workshops at the state floodplain and emergency manager conferences.	FEMA, Federal Partners Mitigation Work Group, USACE, State, Private
MO	Harrisonville Nonstructural Assessment & Outreach	Offer technical assistance to the state and community in providing a nonstructural assessment, a public workshop, and risk communication for repeated flooding.	USACE, State, Local
MO	Little Blue River Actions for Flood Risk Management (State Risk Management Team)	Initiate a floodplain management plan. Establish a flood warning tool via NOAA NWS AHPS in two flood forecast inundation maps on either side of the Interstate-70 corridor over Little Blue River, and below two USACE dams. Conduct public outreach.	FEMA, NOAA NWS, USACE, USGS, State, Local
MO	Lower Meramec Multi-Jurisdictional Floodplain Management Plan	Facilitate and assist planning committee with the development of a floodplain management plan that follows a 10-step planning process:	FEMA, USGS, USACE, State, Local, Private
MO	Missouri Flood Buyout Strategy	Provide a framework or model, including criteria and weighting of the criteria, for state use as a key strategy in its state hazard mitigation plan and in prioritizing buyout sites for recent disaster funds.	FEMA, HuD, USDA, USACE, State, Private, Other Non-Federal
MO	Missouri Historic Flood Signs	Create public, historic flooding signs for up to 50 communities to raise awareness of past severe flood disasters in Missouri.	NOAA-NWS, USGS, FEMA, USACE, State, Local, Private
MO	Missouri Nonstructural Workshop for Flood Risk Management	Conduct a workshop on nonstructural measures.	USACE, State, Local
MO	Missouri River Flood Event Mapping	Develop flood inundation maps for near real time use between St. Louis and Rulo in NWK AOR at a minimum.	FEMA, NOAA NWS, USACE, USGS, State

Interagency Projects

State	Project Name	Project Description	Partners
MO	Missouri River Inundation Mapping, River Miles 377 to 398	Develop a formalized process to establish a set of static flood forecast inundation maps that will be used to develop similar products for other Missouri River reaches. Maps will be posted on NOAA NWS AHPS website.	NOAA NWS, USACE, State, Local
MO	Missouri Roadway Flooding Assessment	Assemble a risk portfolio of road closings and dangerous overtopping sites due to severe and recent historic flooding across Missouri in 2017.	FEMA, USGS, NOAA, USACE, State, Local
MO	Roubidoux Creek Forecast Inundation Map (State Risk Management Team)	Develop flood forecast inundation maps (FFIM) and post on NOAA NWS AHPS website for an area downstream Army Garrison Ft. Leonard-Wood.	NOAA NWS, USACE, State, Local
MO	Shoal Creek, Joplin, MO	Develop inundation maps for Shoal Creek used to identify infrastructure at-risk and update emergency action plans.	USACE, State, Local
MO	Upper Joachim Creek Floodplain Management Plan	Assist in the development of a floodplain management plan, including coordinating/identifying strategies and tools for flood risk management and developing action plan.	FEMA, USACE, State, Local, Private, Other non-Federal
MS	Hazard Communication Plan in the Mississippi Delta	Developed a Hazard Communication Plan for sharing and coordinating information during a disaster. Tested the plan by performing a functional dam break exercise at Arkabutla Dam and a functional levee breach exercise in the northern part of Mississippi.	NOAA NWS, USACE, State, Local
MT	Ekalaka Risk Identification and Development Decision Support	Updated flood risk mapping and development decision support.	FEMA, USACE, State, Local
MT	Glendive and Dawson County, Montana Nonstructural Analysis & Assessment	Analyze flood risk mitigation using nonstructural measures; includes a levee breach analysis and nonstructural mitigation analysis.	FEMA, USACE, State, Local
MT	Miles City Levee Emergency Action Plan and Tabletop Exercise		USACE, State, Local
MT	Milk River Flood Risk Evaluation Demonstration	Evaluate flood risk and data needs in the Milk River watershed; use community outreach and agency coordination to assess study areas and produce flood risk data to help communities manage risk and prioritize mitigation actions.	USGS, USDA-NRCS, NOAA, USACE, State, Local
MT	Montana Highwater Marks - Community Outreach and Education	Install 40 high water mark signs in locations with a link to public interaction and flood risk.	FEMA, NOAA NWS, USACE, USGS, State, Local
MT	Montana Ice Jam Mobile Device Application	Create a mobile device application that would allow users to enter ice jam application information.	USGS, NOAA-NWS, USACE, State, Local
MT	Montana SJ River Hazard Projects - Ice Jam Inundation		USACE, USGS, State, Local
MT	MT Ice Jam/Post-Wildfire Flood Risk Workshops	Host flood risk workshops in 4 counties with identified ice jam and/or post-wildfire flood risk potential; include information presented by state, federal, and local agencies to identify flood preparedness resources for emergency management situations.	FEMA, NOAA, USACE, State
MT	Risk Communication Webtool	Develop a webtool that provides a clear line of communication to the public on the tools and resources necessary to make risk informed decisions both in risk management and flood response.	FEMA, USACE, State
MT	SWIF Assistance for Forsyth, Glasgow, and Havre	Assisted Sponsor led development of System-Wide Improvement Framework (SWIF) Plans for Forsyth, Glasgow, and Havre, Montana	USACE, Local
NC	Inland County Storm Surge and Vulnerability HES	conduct Vulnerability and Transportation Analyses for needed inland counties affected by storm surge.	FEMA, NOAA NWS, USACE, State
NC	NC Dam Safety Data Development Supporting Integrated Flood Risk Management	Develop a State geospatial database for the Dam Safety Office as part of a larger overall flood risk management initiative in the state.	USGS, NOAA, USACE, State, Local
NC	North Carolina Dam Safety - Hydraulic Capacity Study	Assist the state by providing hydrologic and hydraulic analyses at critical dam locations to aid in identifying preemptive measures to reduce downstream flooding.	NOAA-NWS, USGS, USACE, State, Local
ND	Analysis of the Hydrometeorological Data Network in the Souris River Basin	Develop a consolidated source of information and recommendations for expansion of the flow and precipitation gage network in the Souris Basin.	NOAA NWS, USACE, USFWS, USGS, State, International
ND	Convert River Gage Datums to NAVD 88 in Red River Basin	Convert river gage datums in the Red River of the North basin to NAVD 88 for the sake of consistency with each, FEMA's digital flood maps, and other data sources.	NOAA NWS, USACE, USGS, State
ND	EAP Development in Red River Basin	Conduct four facilitated day-long emergency action plan (EAP) development workshops for the communities and counties in the Red River basin to improve preparation, readiness, and response to flood events, thus improving community resiliency. Provide foll	USACE, State, Local
ND	Emergency Action Plan Development for Communities in the Missouri River Basin of North Dakota	Hold two facilitated workshops within the Missouri River basin using a recently developed Emergency Action Plan (EAP) template to assist local and county officials with developing an EAP.	USACE, State, Local
ND	Emergency Action Plan Workshops - ND	Workshops in Jamestown and Lamoure, ND, to assist communities in development of Emergency Action Plan documents.	NOAA, USACE, State, Local

Interagency Projects

State	Project Name	Project Description	Partners
ND	Inundation Mapping for Souris & Des Lacs Rivers, Burlington to Verendrye	Develop flood-inundation maps and enhance the NOAA NWS AHPS warning system for the Mouse (Souris) River from Burlington through Verendrye, ND, and the Des Lacs River from Foxholm to the confluence with the Mouse River. Use and build upon existing hydrolog	FEMA, NOAA NWS, USACE, USGS, State, International
ND	Minot and Vicinity SWIF Study in the Souris River Basin	Provide information and assist with making risk-informed decisions for system-wide improvements in the Souris (Mouse) River basin, to include interim risk reduction measures.	FEMA, USACE, State
ND	Mouse (Souris) River Basin Emergency Action Plan Development and Nonstructural Flood Risk Reduction Workshops	Provide instruction on development of emergency action plans and other nonstructural risk reduction alternatives.	USACE, State, Local
ND	Mouse (Souris) River Basin Nonstructural Planning and Mitigation Study	Develop an inventory of floodplain structures and possible non-structural flood risk reduction mitigation measures.	FEMA, NOAA NWS, USACE, USGS, State, Local, International
ND	Mouse (Souris) River Comprehensive Unsteady Flow HEC-RAS Model Study	Assemble existing components into a single continuous model and obtain additional required field survey data, especially for current channel cross sections.	FEMA, NOAA NWS, USACE, USGS, State, International
ND	Nonstructural Workshops for FRM	Conduct joint workshops with the North Dakota State Water Commission to discuss opportunities to reduce flood risk through flood risk adaptive measures, such as physical and nonphysical techniques of acquisition, relocation, elevation, flood proofing, flo	USACE, State, Local
ND	North Dakota Probable Maximum Precipitation Study Update	Support the ND State Water Commission in a statewide Probable Maximum Precipitation (PMP) study.	USDA-NRCS, NOAA-NWS, USACE, State, University
ND	Souris River Inundation Mapping Phase 2, Verendrye to Westhope, ND	Inundation maps and enhanced AHPS products from Verendrye through Westhope	NOAA, FEMA, USGS, USACE, State, Souris River Joint Board
NE	Dam Safety Outreach Campaign	Conduct outreach effort on Dam Safety to four identified priority audiences.	NRCS, USACE, State, Private/University
NE	High Water Mark - Community Outreach and Education	Posted highwater signage throughout the state and associated online content.	USACE, State
NE	Levee Safety Communication Outreach Project	Develop educational materials and provide to 40 participants (20 levee sponsors, additional State and local flood risk managers or NFIP coordinators). Extend invitation to western Iowa levee sponsors.	FEMA, USACE, State
NE	Levee Sponsor Engagement and Risk Communication Nebraska Silver Jackets	Sponsor engagement and risk communication for levees will be completed through a three step process: (1) Sponsor Notification, (2) Limited Stakeholder Meeting and (3) Public Outreach.	FEMA, USACE, State, Local
NE	Lower Platte River Pre-Development Risk Identification	Flow Frequency assessment in advance of expected development.	FEMA, USGS, NOAA, USACE, State, Local
NE	Nebraska Flood Preparedness Workshops	Conduct flood preparedness workshops in multiple counties including participants from local, county, state, and Federal agencies to identify flood preparedness measures, actions, and resources needed during an emergency situation.	FEMA, NOAA-NWS, USBR, USGS, USACE, State, Local
NE	Nebraska Sandpit Risk Assessment and Risk Management Evaluation	Risk assessment of sandpit lake developments in Nebraska.	NOAA, FEMA, USGS, USACE, State, Local, Private
NE	Nonstructural Approach to Repetitive Loss Properties in Nebraska	Conduct statewide evaluation of current repetitive loss properties and a nonstructural assessment through the Repetitive Loss Area Analysis (RLAA) at Fremont, Nebraska.	FEMA, USACE, State, Local
NE	Nonstructural Flood Risk Mitigation Assessment Along the Platte River	Conducted nonstructural assessments for the Village of Cedar Creek and City of Louisville to include survey efforts and benefit/cost analysis. Combined results with a Community Rating System evaluation and potential application by both cities.	USACE, State, Local
NE	Nonstructural Flood Risk Reduction Outreach Seminar	Conduct a nonstructural seminar in connection with NeFSMA.	USACE, State
NE	Nonstructural Flood Risk Resiliency Assessments for DeWitt, Deshler and Hebron, NE	Conduct nonstructural flood risk mitigation assessments for DeWitt (nonstructural cost benefit assessment), Deshler (assisted living facility focus), and Hebron (HMGP application focus).	USACE, State, Local
NE	Nonstructural Mitigation for Repetitive Loss Structures	Identify nonstructural mitigation measures for 45 repetitive loss and severe repetitive loss properties.	FEMA, USACE, State, Regional NRDS
NE	North Platte River Flood Risk Impacts Assessment and Communication	Completed hydraulic and hydrology study along the North Platte River with an emphasis at the City of North Platte, including basin and reservoir modeling. Post results to NOAA NWS AHPS.	NOAA NWS, USACE, State, Local
NE	Scottsbluff Nonstructural Mitigation Identification, Online Mapping, and Development Decision Support (SJ)	Conduct hydrology and hydraulic study to identify mitigation targets and zoning information at the City of Scottsbluff.	USACE, USGS, State, Local
NH	Building out NH Silver Jackets' Role in the State Disaster Recovery Plan	Update of recovery plan for long term recovery in the state.	FEMA, NOAA, USACE, State
NH	Hinsdale Flood and Vulnerability Assessment	Identify flood hazards and identify and prioritize flood mitigation strategies for community, including linkages to NFIP.	EPA, USACE, State
NH	New Hampshire Flood Toolkit	Develop a toolkit that will serve as a guide for New Hampshire towns to use before, during, and after a flood.	FEMA, USGS, NOAA-NWS, USDA-NRCS, USACE, State

Interagency Projects

State	Project Name	Project Description	Partners
NH	New Hampshire Ice Jam Assessment and Outreach Project	Complete assessments to improve understanding of ice jam science on the Gale River at Franconia and Sugar Hill and conduct outreach including Ice Observer Training.	FEMA, USACE, USGS, State
NJ	Atlantic and Cape May County, New Jersey, Nonstructural Flood Proofing Assessment	Conduct Flood Risk Adaptive Measures assessments in Brigantine and West Wildwood.	FEMA, EPA, USGS, USACE, State, Local
NJ	Cumberland Co. Outreach, Nonstructural Flood Proofing Methods	Provide information to manage flood risk for vulnerable coastal populations that have no major flood risk management projects.	FEMA, USACE, State, Local
NJ	Cumberland County Bayshore, NJ, Comprehensive Nonstructural Assessment	Complete nonstructural facility assessments for flood prone facilities for state and local governments.	FEMA, USACE, State, Local
NJ	Flood Inundation Mapping (FIM) for Passaic River Watershed	Develop flood inundation map libraries for the entire study area and a section of the Ramapo River, covering more than 60 river miles, and post on the NOAA NWS Advanced Hydrologic Predictive Service website and the USGS Flood Inundation Map Viewer.	NOAA NWS, USACE, USGS, State
NJ	Flood Inundation Mapping (FIM) for the Assunpink Creek and North Branch Raritan River	Develop flood inundation mapping (FIM) for two priority gages in New Jersey. Post maps on NOAA NWS AHPs website.	FEMA, NOAA NWS, USACE, State
NJ	Flood Inundation Mapping, Passaic River	Develop flood inundation maps for four gage locations within the Passaic River to provide critical information to the Passaic Flood Warning Users Group, enabling faster flood projections and better flood preparedness.	NOAA NWS, USACE, USGS, State
NJ	Flood Risk Management Project Compilation with DEP	Compile local, state and federal partner flood risk projects statewide to better inform planning and execution of future investments.	FEMA, HUD, USACE, State
NJ	Forecast Improvements and FIM Library for Peckman and Saddle Rivers	Incorporate new HEC-RAS models into operational forecasts and develop flood inundation maps for up to 7.6 additional miles of the Peckman and up to 6.3 additional miles of the Saddle River.	NOAA NWS, USACE, USGS, State
NJ	Minnie Creek, Nonstructural Assessment	Nonstructural Assessment of homes next to Minnie Creek, including inundation mapping to show how the flooding will affect the area.	FEMA, EPA, USACE, State, Local
NJ	New Jersey Regional Critical Infrastructure Assessments, FRAM	Develop Flood Risk Adaptive Measures Pilot Assessments for select critical facilities in Atlantic, Cape May, Cumberland, and/or Ocean Counties.	FEMA, EPA, USACE, State, Local
NJ	Unsteady HEC-RAS Model for the Passaic River Basin to Support Enhanced Flood Risk Management	Developed new unsteady HEC-RAS model to enable enhanced forecasting abilities and develop flood inundation map libraries for a number of forecast points.	NOAA NWS, USACE, USGS, State
NM	After a Wildfire: A Guide for New Mexico Communities	Publish a guide that New Mexico communities can use to identify actions to take to reduce risk after a large wildfire. Enhance existing website (AfterwildfireNM.org), create and publish handouts.	USACE, State
NM	After Wildfire NM Phase 3 - Enhanced Delivery of Post-fire Guidance to New Mexico Communities	Develop and conduct several pilot Learning Exchange Workshops to increase on-the-ground expertise following a wildfire and improve efficacy of post-wildfire recovery.	NRCS, USFS, USACE, Tribe, State, Private
NM	Proximity Analysis	Integrate state databases of critical infrastructure, enhance through heads up digitization, and identify most at risk for flooding.	USACE, State
NM	TADD (Turn Around Don't Drown)	Determine a system to identify low water crossings in New Mexico, assess and rank each crossing, and mark highest priority with informative signage.	NOAA NWS, USACE, Tribes, State, Local, Private/University
NV	Communication of Nevada's Flood Risk- Multimedia	Produce two 30-second video/TV public service announcements (PSAs) (one English language and one Spanish language) and two 30-second audio/radio PSAs (one English language and one Spanish language).	USACE, State
NV	Dam Safety Outreach for Non-Corps Dams		USACE, State
NV	Fort McDermitt Paiute & Shoshone Tribe Floodplain Management Plan	Work with the Fort McDermitt Tribe Paiute to develop Shoshone Floodplain Management Plan, identifying potential flood risk reduction strategies and tools and paths to attain the Tribe's goals and objectives for their floodplain.	BIA, BLM, FEMA, USACE, USFS, USGS, Tribes
NV	Fort McDermitt Paiute and Shoshone Tribe Floodplain Mapping/Floodplain Delineation	Develop floodplain inundation maps for the Fort McDermitt Paiute and Shoshone Tribe to improve understanding of flood risk and support future development outside of the floodplain.	Tribe, FEMA, BIA, USACE, State
NV	Multimedia Continuation	Increase risk awareness of parents, teachers, and students through the use of multimedia tools (e.g. water management video game and video promotion).	USACE, State
NV	Nature Based Flood Mitigation Training and Nevada Flood Awareness	Offer workshops on nature-based flood mitigation techniques to include methods inspired by green infrastructure and low impact options applicable for Nevada's desert climate.	NOAA, USACE, Other Non-Federal, State, Local, University, Private

Interagency Projects

State	Project Name	Project Description	Partners
NV	Nevada Alluvial Fan Flooding Workshop	Conduct a series of alluvial fan flooding public workshops to communicate the risks posed by alluvial fan flooding and provide information on ways to reduce flood risks. Develop GIS maps showing alluvial fan locations and their characteristics to assist	NOAA/NWS, USACE, State, Local, University
NV	Nevada Carson River Watershed Alluvial Fan Flood Risk Prioritization	Analyze the alluvial fan flood risk in the Carson River Watershed, helping to quantify and prioritize the flood risk in the alluvial fans closest to population centers.	USACE, State, Local
NV	Nevada Flood Awareness Outreach - Flood Awareness Week and Flood Tour Field Guide Booklet	Develop flood tour field guide booklets, conduct on-site training of local field trip guide leaders, and conduct public outreach and education events for Nevada's Flood Awareness Week.	NOAA NWS, USACE, State, Local, University
NV	Nevada Flood Chronology Website	Develop flood chronology website containing stories, vignettes of various floods and flood statistics for the Walker River Watershed.	BIA, USACE, USGS, Tribes, State, Local, Private/University
NV	Nevada Flood Chronology: Humboldt River Watershed, Nevada		USACE, USGS, State, Local, Private/University
NV	Nevada Flood Risk Awareness Education and Outreach	Take Nevada flood risk education and outreach to the next level through furthering partnerships with Project Wet and the National Science Teachers Association, and continue outreach of the Nevada Flood Fighter education game.	FEMA, USACE, State, Local
NV	Nevada Flood Risk Awareness Project	Comprehensive flood risk awareness project that includes nonstructural floodproofing workshops and compiles factual and anecdotal data on historic floods for the Humboldt River Basin and Truckee River Basin for posting on the USGS flood history website.	NOAA NWS, USACE, State
NV	Northern Nevada Flood Awareness Week and Media Campaign	Initiated a Flood Awareness Week outreach campaign to help educate the public about flood risk before flood season.	USACE, USBM, USGS, State, Private/University
NV	Pyramid Lake Paiute Tribe Flood Plain Management Plan	Assist the Tribe with development of a floodplain management plan in order to reduce the risk from flood hazards on their land.	USACE, Tribes, State
NV	Pyramid Lake Paiute Tribe Floodplain Mapping / Floodplain Delineation	Develop floodplain mapping to inform floodplain management decisions and supplement 2016 Flood Plain Management Plan.	Tribe, FEMA, USACE, State
NV	Story Maps for Muddy and Virgin River Historical Floods	Develop story maps and flood chronologies for the Muddy and Virgin Rivers, post to web, promote during NV Flood Awareness week, and use to educate local communities	NOAA, FEMA, USACE, State, Local, University
NY	Chemung River Basin - Flood Inundation Mapping Project	Prepare a flood inundation mapping tool for approximately 40 miles of the Chemung River (Athens to Corning) based on three National Weather Service flood forecast points on the Chemung River at Chemung, Elmira, and Corning.	FEMA, NOAA, USGS, USACE, State, Local
NY	Genesee and Finger Lakes Region Flood Risk Education and Awareness Program	Support an inter-agency presentation at the Genesee/Finger Lakes Regional Planning Council Local Government workshop providing an overview of agency flood risk management programs and conduct a field trip to several communities sites to assess and iden	FEMA, NRCS, USACE, USGS, State
NY	Ice Jam Awareness, Education and Reporting Training for Lake Erie Communities	Conduct up to four workshops in New York state where ice jams are prevalent to educate and train elected officials, emergency managers, emergency responders and others who are impacted by ice jams.	FEMA, NOAA NWS, NRCS, USACE, USGS, State
NY	Improve Genesee River Flood Warning System for the City of Rochester	Provide flood inundation maps to show the impacts of moderate and major flood events leading to improvements in local flood mitigation plans.	FEMA, NOAA, USGS, USACE, State, Local
NY	NY State - Nonstructural Awareness Workshops	Provide nonstructural workshops in the geographic areas where flooding most prevalent in recent years; provide information federal and state agencies have in identifying tools that local governments can utilize in preparation of any high-water event.	USDA-NRCS, FEMA, NOAA-NWS, USGS, USACE, State, Private
NY	NYSDEC Levee Risk Communication	Convene a levee risk outreach public meeting for 12 levee systems in NYSDEC Region 7.	FEMA, USACE, State, Local, Other Non-Federal
OH	Flood Inundation Warning System Ohio and Lower Muskingum Rivers City of Marietta and Morgan and Washington Counties	Stream gaging for Flood Inundation Warning System - Ohio and Lower Muskingum Rivers - City of Marietta, Morgan and Washington Counties	USACE, USGS, Local
OH	HAZUS Level 2 Flood Analyses, State of Ohio	Conduct HAZUS Level 2 Analyses for 25 counties in Ohio for the 25- and 100-year frequencies.	USACE, State, Local
OH	Ice Jam Awareness, Education and Reporting Training for Lake Erie Communities	Conduct three workshops in three communities along Lake Erie in Ohio where ice jam events frequently occur to educate and train for elected officials, emergency managers, emergency responders, and others who are impacted by ice jams.	FEMA, HUD, NOAA NWS, NRCS, USACE, USGS, State
OH	Interagency Data Compilation and Web-based Geospatial Platform	Compile, organize and convey the best available data and analyses related to characterization, management and communication of flood risks in the State in a readily accessible GIS web-based application.	FEMA, HUD, NOAA NWS, USACE, State

Interagency Projects

State	Project Name	Project Description	Partners
OH	Loss Avoidance Study	Quantify the success of Ohio flood mitigation projects over time by conducting a Loss Avoidance Study using FEMA's recommended methodology. Assess performance of implemented mitigation projects.	USACE, State, Local
OH	Mahoning County Nonstructural FRM Informational Meeting & Media Product	Conduct a one-day non-structural workshop to discuss flooding issues.	NRCS, USACE, State, Local
OH	Marion County Floodplain Mapping	Conduct a flood study for portions of the Scioto River through Marion County.	FEMA, USACE, USGS, State
OH	Marion County Floodplain Mapping Continuation	Conduct a flood study along the Scioto River through Marion County.	FEMA, USACE, USGS, State
OH	Ohio Multimedia Outreach	Highlight past risk reduction measures successes by drawing attention to historical flood events, implementation of mitigation measures, and flood risk reduction benefits using multimedia applications, such as videos.	USACE, State
OH	Ohio State Levee Inventory and Risk Communication Outreach Pilot Project	Inventory and review non-Federal levee system in the State of Ohio.	FEMA, USACE, State
OH	State of Ohio Flood Awareness Campaign	Participate in Ohio's Flood Awareness Campaign.	FEMA, NOAA NWS, State
OH	Upper Ohio-Shade Watershed Regional Nonstructural Workshop	Conduct nonstructural workshops in two locations.	FEMA, USACE, State
OH / KY / IN / WV / TN / PA	Ohio River Basin Regional Interagency FRM Workshop	Conduct a multi-state interagency flood risk management workshop to identify and document the region's most significant vulnerabilities and options to prevent and reduce flood risks.	FEMA, USACE, State
OK	Alignment of Levee Activities, Information, and Messaging for High Risk Levees	Facilitate engagement between the USACE, FEMA, the levee sponsor and local stakeholders to improve understanding of ongoing risk assessment results for the high risk Tulsa-West Tulsa Levee system.	FEMA, USACE, Local, Private/University
OK	Broken Bow Community Resiliency Team	Develop a community resiliency strategy to identify flood impacts, evaluate flood risk, collaborate with public and private partners and reduce future risk.	EPA, NOAA, USDA, USACE, Tribe, Local, Private
OK	Choctaw Nation Floodplain Management Study	Develop Emergency Action Plan to address protection of property for three tribally owned and operated ranches and the Choctaw Nation Health Service Authority's Talahina, OK campus.	BIA, FEMA, USACE, Tribes
OK	Eastern Shawnee Tribe of OK Floodplain Management Study	Develop non-structural solutions to reduce flood risk on tribal property in Seneca MO and develop a drainage plan for property near Wyandotte, OK. Update Tribes hazard mitigation plan.	BIA, FEMA, USACE, Tribes, State, Private/University
OK	Interagency Application of SimSuite Mapping Tool To Advance Local Development of Risk Reduction Measures for High-Risk Levees	Provide USACE SimSuite Mapping Tool training/access for local government officials to help them manage the risks associated with levees in Tulsa County, Oklahoma.	USACE, Local
OK	Interagency Development of a Flood Risk Reduction Public Information Strategy and Demonstration for the Arkansas River and Tributaries, Tulsa County, OK	Develop collaborative public information sharing and mentoring programs to increase effective risk reduction actions.	EPA, USACE, State, Local, Private/University
OK	Interagency Development of a Provisional Flood Evacuation Plan for High Risk Levees, Tulsa Co.	Develop provisional flood evacuation plan for citizens protected by the Tulsa and West Tulsa Levee systems.	USACE, Local
OK	Oklahoma Hazard Mitigation Plan Update	Provide emergency management and planning support to OK Hazard Mitigation Plan update.	BIA, FEMA, NOAA NWS, USACE, USGS, Tribes, State, Local
OK	Oklahoma State Wide Critical Facilities Project	Develop an integrated flood risk analysis in a GIS format that can be used as part of the Risk Assessment in the Hazard Mitigation Plan to develop flood and other risks to state critical facilities.	Tribe, BIA, FEMA, NPS, HUD, NOAA-NWS, USACE, State
OK	Tahlequah and Cherokee Nation Tribal Flood Risk Impact Reduction	Assist with community resiliency focusing primarily on nonstructural flood risk reduction.	FEMA, NOAA, USACE, Tribe, State, Local
OK	Tonkawa Tribal Drainage Study	Conduct an analysis historical flooding, high water marks, and structure elevations and identify mitigation measures.	BIA, FEMA, USACE, Tribes, State
OK	Utilization of Multi-Organization Resources in Developing Static and Real-Time Flood Inundation Mapping for Miami, OK	Complete provisional flood inundation mapping with capability to show current, forecasted, and theoretical "what if" flood condition scenarios. Conduct a mock flood event exercise with the city of Miami, Oklahoma Water Resources Board, FEMA, USGS, NWS,	FEMA, NOAA NWS, USACE, USGS, State, Local
OR	Baker County, OR, Floodplain Management and Flood Response Plan Templates	Develop a floodplain management and flood response plan with a small community that can be used as a template for other eastern Oregon communities.	USACE, State, Local
OR	Carver Lake Moraine Dam Risk Analysis and Reduction	Assess flood inundation based on a lake breakout from a moraine lake.	USACE, USGS, State, Local

Interagency Projects

State	Project Name	Project Description	Partners
OR	City of Creswell and Cottage Grove Coast Fork Flood Study (Through FPMS)	Remap floodplain boundaries within the City of Creswell and Cottage Grove for eventual adoption by the community in the floodplain ordinances and into the NFIP program.	FEMA, USACE, State, Local
OR	City of Madras Flood Study	Develop a HEC-RAS model to determine Base Flood Elevations and floodplain boundaries in Madras. Calibrating the model may be difficult, since historic high water marks are based on different culvert configurations.	FEMA, USACE, State, Local
OR	Floodplain Management Training and Outreach	Provide information on state and select Federal programs and initiatives to educate community officials, floodplain managers in charge of managing flood risks.	FEMA, NOAA-NWS, USACE, State
OR	Johnson Creek Non-Structural Flood Mitigation	Assess the impacts of flooding from Johnson Creek in East Portland using a hydraulic model and identify non-structural measures to reduce economic impacts related to flooding the project was to work with the USGS on developing a Hydraulic model of Johnson	USACE, USGS, Local
OR	Johnson Creek, Oregon: Nonstructural Assessment	This project provides the City of Portland with a nonstructural assessment of around 600 homes near Johnson Creek that are currently within the SFHA. The assessment will identify and prioritize mitigation options for the homes.	USACE, USGS, State, Local
OR	Mitchell, OR, Flash Flood Warning System Plan	Provides technical assistance related to hydraulics/hydrology of gage detection array, to support city of Mitchell initial plan to install a simple flash flood warning system.	NOAA NWS, USACE, USGS, State, Local
OR	Oregon Silver Jackets Development of a Rapid Assessment Flooding Tool (RAFT)	Developed a Rapid Assessment Flooding Tool (RAFT) that is an almost real-time tool that takes flood forecasts from the NOAA NWS River Forecast Center and relates it to flood frequency and potential damages/levee failures.	USACE, USGS, State, Local
OR	Post-Wildfire Flood Risk Management Playbook	Produce a playbook with an assortment of potential responses and resources available to local communities to address increased flood risk and debris flows that can occur after large wildfires.	USGS, USDA, USACE, USFS, State
OR	Rapid Flood Inundation Maps	Evaluate a more rapid and approximate approach to generating flood inundation maps using readily available LiDAR data instead of the detailed flood modeling approach with surveyed cross-sections typically used in Flood Insurance Study analysis.	NOAA NWS, USACE, USGS, State
OR	Review of Channel Migration Zone Policy	Partner with Oregon Solutions to investigate possible frameworks for floodplain management within channel migration zones.	USACE, State, University
OR	Upper Sandy River Erosion Zone Mitigation Plan	Develop a mitigation plan for Clackamas County managing the Upper Sandy River.	FEMA, USACE, State, Local
PA	3 Nonstructural Flood Proofing Workshops in Western Pennsylvania	Host three regional nonstructural workshops in western Pennsylvania for community officials and the public to achieve community flood risk reduction and awareness.	FEMA, USACE, State, Local
PA	Bradys Bend Comprehensive Nonstructural Assessment	Conduct an inventory of structures in the floodplain followed by a non-structural assessment. Share results at a public meeting.	FEMA, USACE, State, Local, Private/University
PA	Central Pennsylvania Non-Structural Flood Proofing Workshops	Hold flood proofing workshops in three communities.	FEMA, USACE, State, Local
PA	Flood Damage Assessment Process Improvement Plan (FDAPIP)	Develop a Flood Damage Assessment Process Improvement Plan.	FEMA, USACE, State, Local
PA	Harrisburg Flood Inundation Mapping Tool	Developed a non-structural flood hazard mitigation tool to inform the general public, local officials, and emergency managers of flooding risks. comprised of a library of inundation maps tied to an existing stream gage for various flood stages for the cit	FEMA, NOAA NWS, USACE, USGS, State, Local
PA	Historic Building Mitigation	Survey about 500 historic building elevation and historic features in Philadelphia and develop Flood Risk Adaptive Measures for about 25 prototypical structures.	FEMA, USACE, State, Local
PA	Lower Schuylkill River Model/Forecast Improvements	Develop unsteady HEC-RAS modeling for 25 miles of the Schuylkill River, which includes tidal interface of the Delaware River. Incorporate the model into NOAA NWS forecasting operations to provide needed improvements to the city of Philadelphia's Office o	NOAA NWS, USACE, USGS, Local
PA	Lycoming County, PA, Nonstructural Economic Assessment (SJ)	Perform a nonstructural mitigation assessment of residential and commercial prototypical structures in three Pennsylvania communities. Conduct an economic analysis to evaluate costs/benefits related to flood damages and future flood insurance costs.	FEMA, USACE, State, Local
PA	New Castle, PA Nonstructural Stabilization for Flood Reduction	Conduct a geotechnical study along the Big Run in New Castle, including drilling, soil sampling, and geotechnical analysis and identify embankment stabilization options.	USACE, State, Local, Private
PA	Oakdale, PA Nonstructural Assessment	Conduct a nonstructural assessment to identify nonstructural mitigation options (for example, relocation, raising the structure, flood proofing ..... ) and share findings at a public meeting.	USACE, State, Local



Interagency Projects

State	Project Name	Project Description	Partners
PA	PA Regional Critical Facility Flood Proofing Assessments	Conduct floodproofing assessment for select critical facilities located in Bucks, Monroe, Montgomery, and/or Northampton Counties.	FEMA, EPA, USGS, USACE, State, Local
PA	Pennsylvania Floodproofing Workshops	Hold workshops where staff experienced in nonstructural floodproofing will provide training and information on flood proofing methodologies.	FEMA, USACE, State
PA	Pennsylvania Ice Jam Training	Provide training to those responsible for reporting, recovery and mitigation associated with ice jams through two training sessions.	NOAA-NWS, USACE, State, Susquehanna River Basin Commission
PA	Post Nonstructural Assessment Workshops in Western PA	After nonstructural assessments are conducted at two communities (Bradys Bend Twp, PA & Oakdale, PA) the National Nonstructural Committee, PEMA (rep FEMA) and the NFIP will discuss flood proofing measures, federal grant programs, and insurance options	USACE, State, Local
PA	Rose Valley Creek Watershed Outreach, PA, Nonstructural Flood Proofing Methods	Conduct outreach educational sessions for the public and local governments about nonstructural flood proofing measures and programs.	FEMA, USACE, State, Local
PA	Rose Valley Creek Watershed, PA, Comprehensive Nonstructural Assessment	Complete a nonstructural facility assessment for flood prone facilities for state and local government.	FEMA, USACE, State, Local
PA	Saw Mill Run Structural Inventory	Develop planning tools for local partners in the Saw Mill Run Watershed to better communicate flood risk. Provide a methodology for future acquisition of impacted parcels to restore floodplain connectivity and install green infrastructure and bioremediati	USACE, Local, Private/University
PA	Susquehanna River Flood Inundation Mapping	Develop a flood inundation map library at four stream gages/forecast points to replace an outdated flood warning system and complete a damage estimation component.	FEMA, NOAA NWS, USACE, State, Local
PA	Wyoming Valley, PA, Levee Risk Communication	Provide a levee risk outreach public meeting for 4 levee systems in the Wyoming Valley region of PA.	FEMA, USACE, State, Local
RI	Pawtuxet River Flood Inundation Mapping	Create inundation map library for approximate 10-mile reach of Pawtuxet River to enhance communications about flood risk and provide information for flood response and floodplain management.	FEMA, NOAA NWS, USACE, USGS, State
RI	Rhode Island Floodplain Managers' Handbook	Develop a Rhode Island specific National Flood Insurance Program handbook for use as a training tool to demonstrate the value of appropriate program implementation and enhance floodplain management techniques statewide.	FEMA, USACE, State, University
RI	Rhode Island Historical Structure Flood Hazard Vulnerability Assessment	Convert historical assets data into spatial GIS dataset and conduct flood hazard vulnerability assessment.	USACE, State
SC	Charleston Resilience Network Advisory Council	Advise the CRN Organizing Committee by providing technical expertise and publicly available information or resources regarding matters of mutual interest.	NOAA, USACE, DHS, State, Local, Other Non-Federal, University
SC	Establishment of a Rapid Deployment Gage Network for Real-Time Flood Monitoring	Develop a framework of potential rapid deployment gage network sites for South Carolina to prioritize and build the network.	NOAA NWS, USACE, USGS, State
SC	Lynchburg Flood Elevation Determination	Apply the approximate model to estimate base flood elevations.	USACE, State
SC	Mapping coastal erosion hazards along sheltered coastlines in South Carolina	Estimate erosion rates along major coastal estuaries, develop improved coastal policies and information products for local governments, and refine erosion assessments for sheltered coastlines.	NOAA OCM, USACE, State
SC	Practical Community Resilience Pilot Project	Partner with an economically disadvantaged community to build an understanding of disaster risk and resilience concepts and practices, and to develop a disaster risk resiliency plan to include flood resilience actions.	NOAA NWS, NRCS, USACE, USGS, State, University, Private
SC	South Carolina Flood Risk Management Webinars	Conduct a series of webinars for local floodplain managers and coordinators on the roles and responsibilities of local, state and federal agencies; USACE and NFIP permitting requirements; NRCS grants and programs; SCDOT bridge and culvert design requireme	USDA/NRCS, USACE, USGS, State
SC	The South Carolina Hurricane Evacuation Project - Critical Transportation Needs Assessment	Complement 2013 Hurricane Evacuation Study update by assessing SC population within surge areas that will require medical or other forms of transportation assistance during an evacuation.	FEMA, USACE, State
SD	Black Hills Flood Risk Demonstration Project	Complete hydraulic modeling for an approximate 4-mile reach along Stagebarn Canyon near Summerset, SD.	USACE, USGS, State
SD	Nonstructural Assessment, Madison, South Dakota	Develop detailed structure inventory and conduct a benefit/cost analysis to assist with prioritizing mitigation options and providing flood risk reduction guidance and education to individual homeowners in city of Madison.	FEMA, USACE, State, Local
SD	SD Flood History Community Outreach and Education	Provide flood risk signage with link to risk communication website with additional information.	USACE, State, Local

Interagency Projects

State	Project Name	Project Description	Partners
TN	Arlington Floodplain Mapping, Response, and Education Effort	Develop maps depicting 2016 flood event and conduct educational public meetings about flood risk and potential mitigation actions.	NOAA NWS, USACE, State, Local
TN	Chattanooga Flood Preparedness	Develop GIS tool to bring together real time gage data (stage and rainfall), predictive data, and inundation mapping to facilitate emergency management decisions in Chattanooga and Hamilton County, Tennessee.	NOAA NWS, TVA, USACE, USGS, State, Local
TN	Mansker Real-Time Simulation Pilot Study	Aid Sumner and Davidson Counties and the cities of Nashville, Millersville, Goodlettsville and Hendersonville in flood warning and preparedness in the Mansker Basin.	USGS, NOAA, USACE, State
TN	Tennessee Post-Disaster Guide	Publish guide identifying available resources to aid in the recovery process for all Tennesseans.	FEMA, HUD, NOAA NWS, NRCS, TVA, USACE, USGS, State, Local
TN	Tennessee Real Estate Flood Preparedness	Create flood risk training and educational information for the real estate community, including pamphlets, videos, posters, and other similar tools that can be easily distributed and understood.	FEMA, HUD, State, Local
TN	TN Statewide Mitigation Project Database	Develop a Tennessee Hazard Mitigation Project database from all county/local mitigation plans.	FEMA, HUD, TVA, USDA-NRCS, USGS, USACE, State, Local
TX	City of Denton Watershed/Hazard Mitigation Planning	Provide support to the Denton County Watershed Planning Effort and EPA Technical Assistance Grant	EPA, FEMA, USACE, State
TX	Flood Forecasting System Evaluation for Harris County	Support the next phase of the Flood Forecasting System Evaluation for Harris County by deploying simulation modeling tool in watersheds.	NOAA-NWS, USACE, Local
TX	Flood Forecasting System Evaluation for Harris County, TX	Utilize existing data sets from multiple agencies to provide more accurate and timely flood level and timing forecasts.	NOAA, USGS, USACE, Other Non-Federal
TX	LifeSim Model and Updates to Dallas Floodway EAP	Develop a LifeSim model to better inform the city of Dallas Emergency Action Plan (EAP) related to riverine and interior flooding associated with the Trinity River.	USACE, Local
TX	San Antonio River Tournament for Integrated FRM	Conduct multi-hazard tournament to serve as a tool to improve stakeholders' understanding of the trade-offs and benefits of alternative flood risk reduction actions economically, environmentally, and socially.	USACE, USGS, State, Local
TX	Upper Trinity Regional Comprehensive Watershed Management Plan - Phase I	Establish a working group of officials from local communities and counties in a 16-county region in north central Texas to develop a Regional Comprehensive Watershed Management Plan for the Upper Trinity River watershed to identify potential mitigation ef	FEMA, USACE, State, Local
UT	Alluvial Fan Flooding Educational Materials	Develop outreach materials and undertake technical work to evaluate alluvial fan flood risk in Utah, for planning at local level and to inform future detailed alluvial fan analyses	FEMA, USACE, State, Local
UT	Bluffdale Floodplain Management Plan	Develop a floodplain management plan to identify risks in city of Bluffdale related to Jordan River and irrigation canals.	USACE, State, Local
UT	Ephraim Mapping Support	Assist the City of Ephraim with use of updated floodplain mapping.	FEMA, USACE, State, Local
UT	Grand County Utah Floodplain Management Plan	Assist Grand County, Utah ( Moab) develop a Floodplain Management Plan to build a stronger, safer, and more flood resistant community.	FEMA, USACE, State, Local
UT	Saratoga Springs Alluvial Fan Hazard Mapping	Assist the fast-growing City of Saratoga Springs in mapping alluvial fans and performing a hazard analysis to inform future development and mitigation strategies.	USDA-NRCS, USACE, Local
UT	Skull Valley Goshute Tribe Flood Plain Management Plan	Provide guidance and technical support to Skull Valley Goshute Tribe in the development of a floodplain management plan and emergency response plan to mitigate the risk to Tribal members and Tribal infrastructure and property.	BIA, NRCS, USACE
UT	Skull Valley Goshute Tribe Hydrologic Assessment and Floodplain Mapping	Develop alluvial fan floodplain inundation maps for the Skull Valley Band of Goshutes to improve understanding of flood risk and support future development outside of the floodplain.	Tribe, FEMA, NRCS, USACE, Other Non-Federal
UT	Utah Flood Risk Education	Provide flood risk education outreach in Utah, which could include Utah flood awareness week, flood model demonstrations and flood risk publications.	FEMA, USACE, State, Local
UT	Utah Nonstructural Workshops (UT State Hazard Mitigation team)	Conduct three workshops around the state to educate local flood agencies about and the benefits of non-structural flood risk alternatives as well as possible funding opportunities.	USACE, State
UT	Utah Zion National Park Flood Warning System Report	Assist in identifying technology available for a flood warning system, developing outreach, and providing hydraulic modeling support to increase visitor and employee safety from flash floods in slot canyons.	NPS, USACE, State
UT	Zion National Park H&H Modeling Support	Develop a hydrologic and hydraulic model for the North Fork Virgin River Basin to support efforts to address life safety risks due to flash flooding.	NOAA-NWS, NPS, USACE, State

Interagency Projects

State	Project Name	Project Description	Partners
VA	AHPS River Forecast Point Development, City Locks, Richmond, VA	Develop an unsteady HEC-RAS model from the USGS gauge at James River (VA) at Richmond-Westham and end at the NOAA tide gauge Sewells Pt, VA (approximately 95 miles). Integrate model into the Middle Atlantic River Forecast Center operation forecast system	NOAA NWS, USACE, State, Local
VA	Blackwater River Flood Inundation Tool, Franklin, VA	Develop an unsteady HEC-RAS model to translate tide from Edenton, NC to produce a total water forecast at Franklin, VA and develop inundation mapping within Franklin, Virginia.	FEMA, NOAA NWS, USACE, USGS, State
VA	City of Richmond High Water Marks	Establish High Water Marks signage in partnership with the city of Richmond.	FEMA, NOAA NWS, USACE, USGS, Local
VA	Flood Risk Guidebook	Prepare a Flood Risk Guide for the Commonwealth of Virginia.	FEMA, NOAA/NWS, USACE, USGS, State
VA	Norfolk: Supporting York County & Communities via competitive Simulation	Conduct a tabletop event to work through performance measure opportunities given a future scenario and capital budget.	FEMA, NOAA NWS, USACE, USGS, State
VA	Pulaski Nonstructural Flood Risk Management Assessment	Conduct a nonstructural assessment to increase public awareness of flood threats, promote collaboration within the Pulaski community, improve flooding resiliency, strengthen community preparedness, and reduce future risk.	NOAA-NWS, FEMA, USACE, State, Local, Other
VA	Roanoke River Valley Flood Risk Outreach	Host a flood risk workshop for flood risk managers surrounding the commemoration of the 1985 Election Day Flood, with an outreach meeting in the evening.	FEMA, USGS, NOAA-NWS, USACE, State, Local
VA	Virginia Flood Risk Information System	Develop interactive public website for public access to flood hazard data and risk information.	FEMA, USACE, State
VT	Chestnut Hill Dam Break/EAP & Whetstone Brook	A Dam Break Analysis and Emergency Action Plan (EAP) will be performed at the Chestnut Dam within the Whetstone Brook watershed, and an updated HEC-RAS modeling will be performed for the Whetstone Brook.	USACE, State, Local
VT	Flood Inundation Mapping for Montpelier VT	Prepare flood inundation map library for Winooski River.	FEMA, NOAA NWS, USACE, USGS, State, Local
VT	Flood-Inundation Mapping of the Ottauquechee River; Post Irene 2011	Update flood inundation maps for an approximately 21 miles of the Ottauquechee River floodplain.	USACE, USGS, State, Local
WA	Blue Creek Post-Wildfire Flood Risk Assessment	Conduct hydrology and hydraulics analysis to assist residents and local agencies with understanding magnitude of post-fire flood risk.	NOAA NWS, NRCS, USACE, USGS, State, Local
WA	Climate Resilience Outreach and Learning Network	Build outreach strategy for efficient future engagement of climate resilience between state/locals, including learning network, planning checklist, resilience toolkit.	FEMA, USACE, NOAA, State, University
WA	Implementation of the Rapid Assessment Flooding Tool (RAFT)	Implements the Rapid Assessment Flooding Tool (RAFT ) into one Excel platform database to evaluate local or regional impacts before, during, and after flood events.	FEMA, NOAA NWS, USACE, USGS, State
WA	Integrating Flood Risk Management and Salmon Habitat Restoration Priorities in Puget Sound: An Early Opportunities Analysis	Developed a methodology to identify prime multi-benefit opportunities in the Puget Sound by scoring flood risk and fish habitat criteria in support of the larger Floodplains-by-Design effort led by The Nature Conservancy and Puget Sound Partnership.	EPA, FEMA, USACE, State, Local, Private/University
WA	Post-Wildfire Flood Risk - WA State Comprehensive Outreach Plan	Develop a Comprehensive Outreach Plan and communication materials (website and desktop materials) about post-wildfire flooding hazards for use in the planning/mitigation phase.	NOAA NWS, USACE, State, Local
WA	Sprague Nonstructural Flood Risk Assessment	Support the community of Sprague, which experiences repeat flooding, by developing nonstructural flood mitigation plans for structures located in the 1% chance floodplain.	NOAA-NWS, FEMA, USACE, State, Local
WA	Washington State River Basin Multi-Benefit Analysis: An Early Opportunities Sequel	Expands the integrated approach to flood risk management and habitat restoration planning in the Puget Sound conducted in an earlier Silver Jackets effort by linking floodplain improvement opportunity areas with potential Silver Jackets funding progr	FEMA, USACE, USGS, State, Private/University
WA	Whatcom County FRM Econ Assessment	Build a baseline FIA model capable of analyzing life loss and structural/ag losses in support of county's efforts to update CFHMP for Lower Nooksack River.	FEMA, USACE, State, Local
WI	Baraboo River Inundation Mapping, WI	Develop a library of flood inundation maps for the NWSAHPS page for the Baraboo River near Baraboo, WI.	FEMA, NOAA, USGS, USACE, State
WI	Columbia County Floodplain Structure Inventory and Flood Reduction Strategy	Develop a detailed at-risk structure inventory for the Wisconsin River floodplain in Columbia County; develop feasible non-structural flood risk mitigation strategies; and investigate potential funding sources.	NOAA NWS, USACE, State, Local, Private/University
WI	Emergency Action Plan Workshops - WI	Conduct two eight-hour flood emergency action plan development workshops in NE and NW Wisconsin for municipal and county officials.	USACE, State, Local
WI	Nonstructural Workshop	Conducted workshop that identifies the general data requirements for plan formulation, assessment, and economic analysis to develop a benefit/cost ration to develop potentially feasible nonstructural flood risk reduction measures which could lead to imple	USACE, State, Local

Interagency Projects

State	Project Name	Project Description	Partners
WV	Base Flood Elevations (BFE) Training	Conduct four days of training on calculating Base Flood Elevations (BFEs) for local floodplain managers, using multiple examples and hands-on exercises.	FEMA, USACE, State, University
WV	Development of a No-Rise Certification Process	Develop a No-Rise Certification Process for use by local floodplain managers.	FEMA, USACE, State
WV	Flood Damage Assessment Process Improvement Plan	Bring together a group of subject experts from the local, state and federal level to improve the process of flood damage assessments following a flood disaster.	FEMA, EPA, USACE, State, University
WV	Flood Inundation Mapping of Elkins, WV LFPP	Conduct hydraulic modeling and flood inundation mapping for the Elkins, WV local flood protection project (LFPP) to support improved flood risk management and planning.	FEMA, USACE, State, Local
WV	Huntington, WV, Tabletop Exercise	Conduct a tabletop exercise for a simulated levee breach/overtop and undertake after action review, flood risk communication, and potentially revising emergency action plans.	FEMA, USACE, State, Local
WV	Incorporation of Green Infrastructure into Hazard Mitigation Planning	Identify green infrastructure and low impact development strategies for incorporation into the city of Huntington hazard mitigation plan, including development of a GIS model/tool, in support of an EPA pilot project.	EPA, FEMA, USACE, State, Local, University
WV	Lincoln County Mitigation Interest Framework	Inventory agency needs for digital data and GIS, and prepare Areas of Mitigation Interest (AOMI's) publication to create a framework of cooperation.	FEMA, USACE, State, Local
WV	Tucker County Advisory Base Flood Elevation (ABFE) Study	Complete an Advisory Base Flood Elevation (ABFE) study in Tucker County to improve the level of detail to the existing Digital Flood Insurance Rate Maps (DFIRM).	FEMA, USACE, State, University, Private
WV	West Virginia Hazard Mitigation Grant Support	Support the State of West Virginia State Hazard Mitigation Office as it administers Hazard Mitigation Grant Program funds for site-specific risk assessments.	FEMA, EPA, USACE, State, University
WV	West Virginia Levee Outreach	Conduct workshops with levee owners and local communities to communicate system-specific features, issues and associated risk.	FEMA, USACE, State, Local
WY	Hudson, WY, Floodplain Management Plan	Develop a floodplain management plan to help the Town of Hudson understand its flood risk, identify potential nonstructural mitigation measures, prioritize actions, and access state and federal resources.	FEMA, USACE, State, Local
WY	North Platte River NS Mitigation ID and Development Decision Support	Conduct a flood risk identification and conceptual planning study.	FEMA, USACE, State, Local
WY	Wyoming Flood Risk Management Resource Guide	Develop a resource guide to assist local communities and State agencies in managing flood risk by communicating the programs, resources, and technical assistance available to help communities in Wyoming.	FEMA, USACE, State
WY	Wyoming Ice Jam Flooding Workshops	Hold two workshops with governmental officials, provide updates to Ice Jam Database.	FEMA, USACE, State, Local