



2016 Payette Watershed Study Partnership Agreement

This Risk MAP Partnership Agreement is used to document the regulatory and non-regulatory tools that communities involved in a Risk MAP Project will receive, specify mitigation technical assistance to be provided, identify roles and responsibilities for all parties involved, list the data to be provided with associated deadlines, define expectations of the study results and provide a projected timeline and an explanation of what is expected from project partners at each major milestone.

The Agreement provides documentation of FEMA's commitment to the Payette Watershed and the commitments of the communities to the Risk MAP Project. By signing the Agreement, the stakeholders and project partners acknowledge that they understand and commit to the project scope.

Working together on a Risk Mapping, Assessment and Planning (Risk MAP) project, FEMA Region X, USACE Walla Walla district, the State of Idaho including the Department of Homeland Security and the Department of Water Resources (hereafter referred to as "the State"), the communities within the Payette Watershed, including Payette County, Boise County and the cities of Payette and Horseshoe Bend (hereafter referred to as "the Communities") will identify, assess, communicate, plan for and mitigate risk.

The information provided by this project can be used by these communities to enhance their hazard mitigation plans, make informed decisions to improve resilience to natural hazards and raise awareness about local risks to hazards so that they are better informed and prepared to take actions to reduce their risk.

This Partnership Agreement outlines how these project partners will achieve success in key activities and goals:

- FEMA, USACE, STARR, the State, and Communities will commit to maintain open communication and a productive dialog during the Risk MAP project,
- FEMA and STARR will provide frequent and regular information on project progress and opportunities for in-person discussions and feedback on results,
- FEMA and STARR with State and Community support, will provide non-regulatory risk assessment tools, information and findings, communications plan and planning support over the course of the project,
- FEMA and the State will support the Communities by capturing community needs for how the project outputs will be incorporated into ongoing activities in order to reduce risk and build a more resilient community

The RiskMAP Project will consist of the following deliverables:

- Hydrologic analysis of 176 miles will be completed by USACE Walla Walla district
- Hydraulic Analysis including a Zone A study
- Geo-reference 25 effective FIRM panels
- Evaluate 7 levee systems in Payette County and 1 levee system in Boise County to determine an appropriate levee approach.
- Create the 1% annual chance flood depth grid for the newly A-Study streams and deliver in a Flood Risk Database
- Flood Engineering Review and levee meeting will provide the results of the hydrology & hydraulics, the levee scenarios, and the non-regulatory products for review.

Roles and Responsibilities

FEMA, STARR, and the State will provide officials from the Communities with regular project status updates, the mapping and risk assessment products described below, and provide assistance with outreach to increase local awareness of multi-hazard risk. These efforts will better enable the Communities to take action to reduce risk through the adoption of the maps, development or enhancement of mitigation plans, and increased communication with citizens concerning their



natural hazard risk and the steps they can take to mitigate that risk. The State will provide continuity, coordination and support throughout the Risk MAP project. Communities will provide input and updates throughout the project to ensure that the information is meeting the goals of this Agreement.

Communication and Coordination

Achieving Risk MAP's goal of reducing the Nation's vulnerability to risk requires clear, consistent, and candid communications. These communications need to reach local officials in communities where individual constituents need information to take steps to protect themselves from prevailing hazards. To accomplish this, the project partners will maintain open lines of communication and establish a consistent flow of information.

FEMA, STARR, and the State will:

- Provide quarterly reports outlining the current project status, changes to future study status, key accomplishments to date, identified risks, and next steps via e-mail to each community through the floodplain administrator and Chief Executive Officer.
- Enhance the Communities ability to communicate about hazards and associated risk to people who live and work within their communities and the watershed by providing templates and outreach materials for local use, quarterly updates on project progress, and recommendations for implementation upon request.
- Contact the Communities at least two weeks in advance of a proposed meeting date via email.

FEMA, STARR, and State will:

- Initiate coordination with the other project partners to schedule, plan, and hold a minimum of one meeting in each county (in person or via webinar) during this phase of the project:
 - **Flood Engineering Review and Levee Meeting:** To be held following the development of engineering analysis, levee evaluations, and draft mapping; the intent of this meeting is to provide local officials the opportunity to view and comment on drafts of the engineering analyses produced by FEMA prior to preliminary release of regulatory products and data. In addition the levee evaluations will be discussed and a levee scenario will be chosen by the communities for each levee segment. Once the levee scenarios have been chosen, FEMA will fund these projects in the future pending available budgets.

The Communities are strongly encouraged to:

- Communicate desired timing and schedule for receiving ongoing study updates.
- Communicate transportation projects planned, or underway, that affect conveyance of the waters being studied
- Be responsible for planning, supporting facilitation, and advertising the public meeting.
- Share study concerns with project staff early and often to reduce miscommunication.
- Provide relevant and readily available data such as flood study data and documentation including the design analysis and cross-section data for the Hwy 55 bridge project, levee crest/geometry data, and high water marks/photographs.

Risk Mapping Activities

A FEMA Risk MAP project identifies flood hazards, provides local floodplain management regulatory flood data, supports the National Flood Insurance Program (NFIP), and provides risk assessments, mitigation support and planning technical assistance for all natural hazards. Based on needs identified and/or validated by the State, the Communities will receive the following datasets as part of this mapping project. (For more specific details of the scope of the mapping activities, please see the attached Payette Watershed Project Summary).



FEMA



FEMA, USACE, and STARR will:

- Perform hydrology for 176 stream miles and perform hydraulic modeling for 66.2 miles of stream using approximate study methods. The hydrology and hydraulics analysis is scheduled to be completed in early 2017.
- Prepare and provide draft flood maps which identifies the Community's flood zones, base flood elevations, and floodplain boundaries. The draft maps are scheduled to be released in early 2017.
- Perform levee evaluations for seven levees in Payette County and one in Boise County which will result in the analysis of various levee approaches.
- Provide guidance, feedback, coordination and technical support throughout the Risk MAP Project Life Cycle.
- Create the 1% annual chance flood depth grid for the newly A-Study streams and deliver in a Flood Risk Database.
- Flood Engineering Review and levee meeting will provide the results of the hydrology & hydraulics, the levee scenarios, and the non-regulatory products for review. The flood engineering review and the levee meeting will be held in Spring 2017.
- Additional products may be funded which will be included in future revisions to this partnership agreement.

The State will:

- Make FEMA aware of any potential risks to the data development or project progress, and act as liaison to the Communities by providing information and resources upon request.

The Communities are strongly encouraged to:

- Include the Risk MAP project as an agenda item in regular community meetings, and will make FEMA aware of any potential risks to project progress.



FEMA



Payette Watershed Risk MAP Partnership Signature Page

Roles and Responsibilities

This Partnership Agreement represents a good-faith effort by all parties to share data, communicate findings, and plan mitigation activities to reduce exposure of the citizens within the Communities to hazard risk. **It is not legally binding.** The parties listed in the signature block below will collaborate on hazard identification activities and risk analysis products, and will consult with each other to integrate contributions into hazard identification efforts. It is intended to provide a common strategy to address hazards and increase resilience within communities.

FEMA Region X Branch Chief
Tamra Biasco
Date

Idaho State Hazard Mitigation Officer
Susan Cleverly
Date

FEMA Region X Risk Analyst
Kelly Stone
Date

Idaho Risk MAP Coordinator
Ryan McDaniel
Date

FEMA Region X Regional Engineer
David Ratte
Date

Idaho Floodplain Coordinator
Maureen O'Shea
Date

USACE Walla Wall District Floodplains Engineer
Tracy Schwarz
Date

STARR – FEMA Regional Service Center Lead
Joshua Crowley
Date



FEMA



Cities and/or Communities of:



Attachment

Payette Watershed Project Summary

The Payette Watershed project began in fall 2015. FEMA’s Service Provider, the Strategic Alliance for Risk Reduction (STARR) and U.S. Army Corp of Engineers – Walla Walla District is performing work on this project.

Project Milestones

Project milestones are projected deadlines for key tasks that must be accomplished in order to complete work on a Risk MAP Project. They serve as indicators for progress and as the basis for planning future Risk MAP meetings. All project milestones, however, are subject to change due to changes in scope, delays in data acquisition and other unforeseen complexities within a study.

Task Name	Projected Time of Completion*
Engineering Analysis	Fall 2016
Flood Engineering Review and Levee Meeting	Spring 2017
<i>*All dates are projected and subject to revision.</i>	

There will be at least one meetings between FEMA, the State, and the affected communities associated for each County with this study. They are the Flood Risk Review (FRR) and the levee meeting. The FRR and levee meeting will be held after the completion of the engineering analysis task. The input data, methodology and draft result would be presented at the FRR and levee meeting. In addition we will detail the levee evaluation which will help determine a levee approach for modeling.

Project Scope

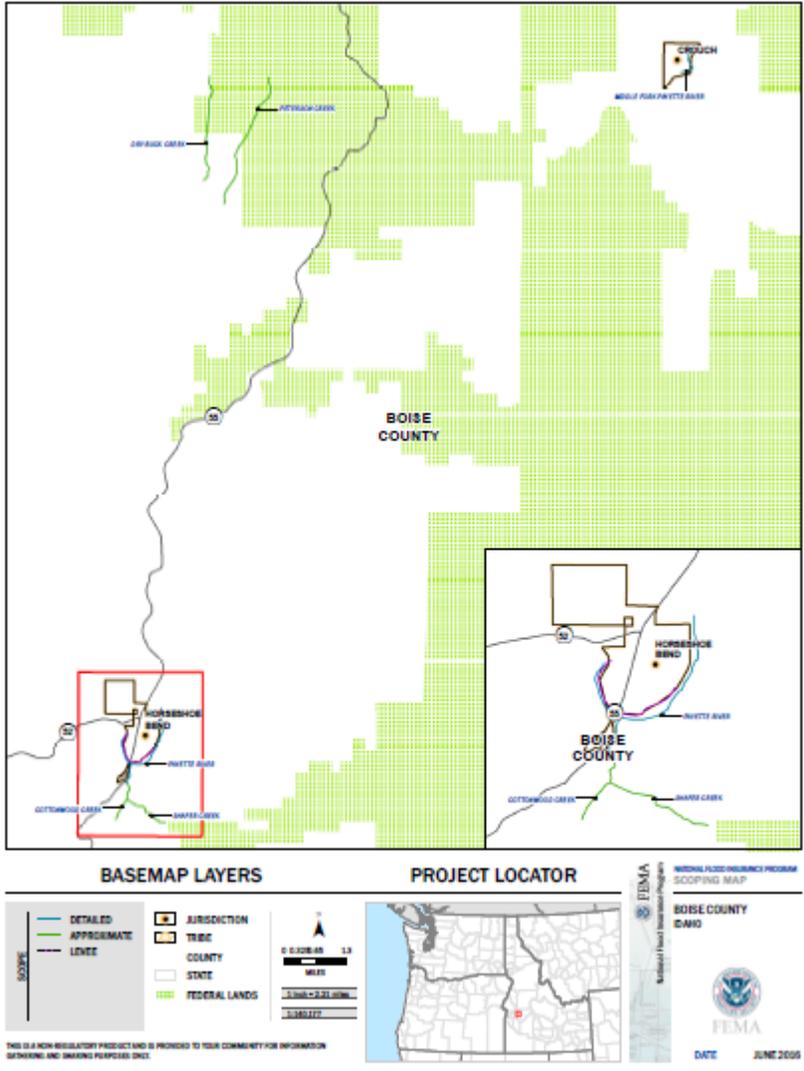
Scope includes 176 miles of hydrologic analysis which will be completed the USACE Walla Walla district. Hydraulics analysis will also be completed for approximate flood zones. 25 FIRM panels will be geo-referenced. Also 7 levee systems in Payette County and 1 levee system in Boise County will be analyzed to determine an appropriate levee approach. A 1% annual chance flood depth grid will also be created. Flood Engineering Review and levee meeting will provide the results of the hydrology & hydraulics, the levee scenarios, and the non-regulatory products for review.



FEMA

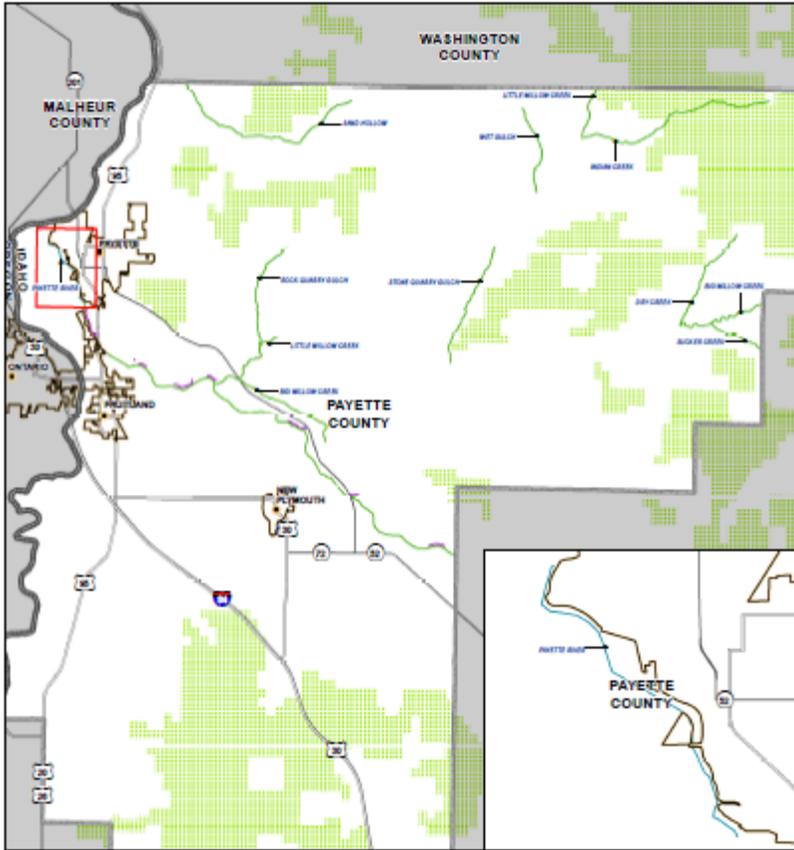


Project Location





FEMA



BASEMAP LAYERS



PROJECT LOCATOR



FEDERAL EMERGENCY MANAGEMENT AGENCY
NATIONAL FLOOD INSURANCE PROGRAM
SCOPING MAP
PAYETTE COUNTY
IDAO
DATE: JUNE 2005

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