

**From:** [KetchikanCoastalPMR@starr-team.com](mailto:KetchikanCoastalPMR@starr-team.com) on behalf of [RSCX](#)  
**To:** [Cox, Sally A \(CED\)](#)  
**Subject:** Risk MAP Project Quarterly Report for Ketchikan Gateway Borough, Alaska  
**Date:** Wednesday, July 13, 2016 3:07:26 PM

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Greetings,

My name is Tiffany Coleman and I am part of the Ketchikan Gateway Borough Risk Mapping, Assessment, and Planning (Risk MAP) Project Team, working with the Strategic Alliance for Risk Reduction (STARR), a contractor for the Federal Emergency Management Agency (FEMA). This email is being sent to you as a status update for work completed on this project as of July 13, 2016. Detailed status updates like this are sent quarterly and include the overall project status, changes to the scope or schedule of the project, and a detailed overview of the individual technical tasks associated with the project.

## Project History

FEMA is responsible for preparing Flood Insurance Rate Maps (FIRMs) that delineate flood hazard zones and Base Flood Elevations (BFEs) in the United States. Because of the importance of understanding the nation's coastal flood risk, FEMA has initiated coastal flood risk studies for the populated coastline as part of its [Risk MAP](#) effort. Through the Risk MAP effort, FEMA is updating the nation's coastal [Flood Insurance Studies \(FISs\)](#) and [FIRMs](#), where appropriate, and publishing new FIRMs in densely populated areas that were not previously mapped. For more information, please visit <https://www.fema.gov/coastal-flood-risks-achieving-resilience-together> .

The State of Alaska identified Ketchikan Gateway Borough as a priority for FEMA's Risk MAP program. The State determines its priorities based on population at risk to hazards, recent events, and community interest. FEMA, State, and Local stakeholders participated in a Risk MAP Discovery Meeting held August 7, 2013 where community concerns were identified. These concerns were captured in the Risk MAP Discovery Report and delivered to the communities in the watershed. After the Discovery Meeting, community concerns were researched and analyzed, in order to develop a scope of work that includes multi-hazard risk assessment products and updates to the communities' regulatory flood maps based on community-identified resilience needs.

## Project Milestones and Deliverables

STARR completed the draft coastal modeling in August 2015. The riverine hydraulic studies for Hoadley Creek, Ketchikan Creek, and Shoenbar Creek were completed in December 2015. Floodplain mapping started in September 2015 and was completed in February 2016.

Meeting/Deliverable	Point of Contact	Actual/Projected Date
Risk MAP Discovery Meeting	Ted Perkins	August 7, 2013
Draft Work Maps	Tiffany Coleman	March 7, 2016
Flood Risk Review (FRR) Meeting	Tiffany Coleman	August 4, 2016
Preliminary DFIRM/FIS Release	Tiffany Coleman	December 2016*
Consultation Coordination Officers (CCO) Meeting	Ted Perkins	January 2017*
Public Meeting/Workshop	Jamie Mooney	February 2017*
Draft Multi-Hazard Risk Report	Amanda Siok	March 2017*
Appeal Period Starts	Tiffany Coleman	March 2017*
Appeal Period Ends	Tiffany Coleman	June 2017*
Letter of Final Determination	Tiffany Coleman	September 2017*
Risk MAP Resilience Workshop	Amanda Siok	December 2017*
Delivery of Final Risk Report and Risk Assessment Database	Amanda Siok	December 2017*
Maps and FIS become Effective	Ted Perkins	March 2018*

*\*All projected dates are subject to revision as the project progresses.*

## Recent Activity

Draft floodplain maps were released on March 7, 2016. These maps show the proposed riverine and coastal floodplains. A Flood Risk Review (FRR) Meeting will be held on August 4, 2016. The purpose of the meeting is to solicit feedback on the draft maps in advance of the issuance of Preliminary Maps, and inform the communities about the map adoption process.

A web application has been set-up to facilitate review of the draft flood maps. This viewer, which includes a draft panel index and links to the draft map panels, is available at the link below:

Workmap Viewer: <http://arcg.is/29yi0ed>

A web application has also been set up to facilitate feedback on the draft flood maps. This application enables the user to find a location of interest, view the effective and draft floodplains at that location, and submit comments. The feedback application is available at the link below:

Feedback Application: <http://goo.gl/bwwzXk>

You may also download a PDF version of the maps and a digital version of the draft floodplain data at:

<http://www.starr-team.com/starr/RegionalWorkspaces/RegionX/Ketchikan/Preliminary%20Maps/Forms/AllItems.aspx>

FEMA funded its contractor STARR to develop a multi-hazard Risk Report for the Ketchikan area as part of the ongoing Risk MAP study. The Risk Report will include a risk assessment of earthquake, flooding, landslide, tsunami, and wildfire hazards. Hazus, FEMA's loss estimation software, will be used to assess earthquake and flood hazards.

## Next Steps

Once all risk assessments are completed, they will be compiled into the Risk MAP Risk Report and a Resilience Workshop will be held to discuss the results and risk reduction strategies. The Resilience Workshop is expected to take place in late 2017.

Additional information on this project including the project area and Risk MAP contacts can be found online at <http://www.starr-team.com/starr/RegionalWorkspaces/RegionX/Ketchikan/SitePages/Home.aspx>

*NOTE: If you have trouble downloading or are prompted for credentials when clicking the file name on the website, cancel the prompt and instead right-click the file name and choose "Save As" or "Save Target As".*

## General Information

If you have questions about this Risk MAP project, please contact the State Risk MAP Coordinator, Sally Russell Cox at [sally.cox@alaska.gov](mailto:sally.cox@alaska.gov), (907) 269-4588.

The STARR Region X Help Desk is another resource available to answer project-related questions. STARR staff will route and research your question, and respond within three business days. Submit your questions via email, the address is [RegionXHelpDesk@starr-team.com](mailto:RegionXHelpDesk@starr-team.com).

If you want to keep up with what's happening around Region X, get project status updates, or learn about upcoming events and training opportunities, subscribe to the Region X monthly newsletter. For more information or to subscribe, email [rxnewsletter@starr-team.com](mailto:rxnewsletter@starr-team.com).

Current and past issues of the newsletter, project status updates, announcements, upcoming events, and training opportunities are also available online at the STARR website, [www.starr-team.com](http://www.starr-team.com) (shortcut link: <http://j.mp/starrxnews>).

I hope you found this status update email helpful. If you would like to be removed from the distribution list, or if you feel there is someone that should be added to the list, please reply to this email. If you

have any questions, or if there is information that you would like to see in future updates, please feel free to contact me by phone or email. My contact information is below.

Sincerely,

**Tiffany Coleman, PE, CFM**

STARR

Office: (859)422-3024

[Tiffany.Coleman@stantec.com](mailto:Tiffany.Coleman@stantec.com)

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**This message was sent by RSCX to the following:**

Amanda Siok - Risk Analyst - FEMA Region X RAB  
Betty Svensson - Deputy Director - Alaska Municipal League  
Braden Allen - Hazard Mitigation Specialist - FEMA Region X HMA  
Brett Holt - Mitigation Planner - FEMA Region X RAB  
Crane Johnson - Senior Hydrologist, Alaska-Pacific River Forecast Center - NOAA  
David Landis - Mayor - Ketchikan Gateway Borough  
De Anne Stevens - Geologist - State of Alaska  
Jamie Mooney - Region X CERC Lead - Resilience Action Partners  
Jimmy C. Smith - Alaska State NFIP Coordinator - State of Alaska  
Karen Wood-McGuinness - Floodplain Management Specialist - FEMA Region X FMI  
Lee Wallace - Tribal President - Organized Village of Saxman  
Lew Williams - Mayor - City of Ketchikan  
Marshall Rivers - Project Manager - Resilience Action Partners  
Michael West - State Seismologist - State of Alaska  
Rachael Norris - Government Affairs - FEMA Region X  
Region X Service Center  
Richard Harney - Principal Planner (FPA) - Ketchikan Gateway Borough  
Sally Russell Cox - Alaska Risk MAP Coordinator - State of Alaska  
Seth Brakke - Assistant Public Works Director - City of Ketchikan  
Steve Masterman - State Geologist/Director - State of Alaska  
Tamra Biasco - Risk Analysis Branch Chief - FEMA Region X RAB  
Ted Perkins - Regional Engineer - FEMA Region X RAB  
Tiffany Coleman - Project Manager - STARR  
Wendy Shaw - Hydraulic Engineer - USACE, Alaska District