

# Mendenhall River Flood Inundation Mapping Library

Presented by Crane Johnson



Residents in Juneau's Mendenhall Valley face a unique and relatively new flood risk: outburst floods from a glacial dammed lake. While glacial dammed lakes have long been identified in the Mendenhall

watershed, the first recorded large outburst flood occurred in 2011 with another larger flood in 2014. In response to these two flood events, a flood inundation mapping library was developed for the Mendenhall River near Juneau. This flood inundation library contains a series of sequential maps that help communicate where flooding may occur over a range of observed and forecast river levels. The inundation maps can be used for: preparedness, "what-if" scenarios, timely response and mitigation and planning. This project was developed by Alaska Silver Jackets team. Silver Jackets teams across the United States bring together multiple state, federal, tribal and local agencies to learn from one another and develop collaborative projects to reduce flood risk.

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