

CITY AND BOROUGH OF JUNEAU (CBJ), AK

SEPTEMBER 2018

FEMA's Risk MAP program supports communities to take actions to increase local resilience to natural hazards. Risk assessments for the CBJ have been summarized in the Risk Report to provide additional information on risk, aid in hazard mitigation planning activities, and support efforts to reduce risk. Key hazard impacts, Risk Assessment results, and how this information can support local resilience efforts are highlighted below.



Across the CBJ there are 208 structures (roughly 2.7 percent of all structures) identified in the Special Flood Hazard Area (SHFA).

In the CBJ, modeled flood losses resulting from the 1-percent-annual-chance flood event are projected at roughly \$1.6M.



The M6.0 Probabilistic 500-Year Earthquake scenario is expected to cause the most damage in the CBJ.

The highest economic losses (contents and building value) are projected in the regions of East Valley, Juneau, and "Other Areas."

The geographic area of Juneau has the highest number of pre-code structures, nearly 16%. Other geographic areas analyzed in this assessment report the percentage of pre-code structures as ranging from 0% to 6%.



The Association of Alaska School Boards was identified as an area of mitigation interest as it is a critical facility that is exposed to both the M6.0 Probabilistic 500-Year Earthquake and the 1-percent-annual-chance-flood event.



The CBJ is vulnerable to both landslide and avalanche risk. As a result, the CBJ has received \$200K for one of the three priority areas to study the overall risk to these hazards.

The CBJ can expect nearly 4% of all structures to be exposed to a tsunami event. The highest areas of exposure are the Airport and Mendenhall Peninsula with roughly 15% and 27% of structures exposed, respectively. The areas of largest exposed value include Mendenhall Peninsula and North Douglas with a combined total of roughly 42% of all exposed value.

In addition to the potential uses of this Risk Report and Risk Assessment Database, there are steps communities can take to make natural hazard mitigation an integrated part of local planning.

Plan Integration was discussed in both the Hazard Mitigation Plan (HMP) and the Comprehensive Plan. While connections to the HMP were strong in the Hazards section of the Comprehensive Plan, additional connections to hazard risk could be integrated throughout the land use and development components of the Plan.



THIS INFORMATION WILL HELP TO:

- Identify areas vulnerable to hazards to inform safer and more resilient development.
- Enhance planning efforts to identify areas where risk reduction actions may produce the greatest return on investment.
- Improve risk communication and outreach to the public by visualizing hazard risk.

KEEPING THE CITY AND BOROUGH OF JUNEAU SAFE: Your Risk MAP Timeline

