

# MUNICIPALITY OF ANCHORAGE (MOA), AK

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FEMA's Risk MAP program supports communities to take actions to increase local resilience to natural hazards. Risk assessments for the MOA 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.

The MOA can expect flood losses of \$376M. At 6.94 percent, the area of Girdwood has the highest economic loss ratio of structures in the Special Flood Hazard Area (SFHA).



Of the 85,378 buildings in the project area, 432 are in Zones A, AE, AH, or AO.

The number of flood insurance policies in the MOA (457) is higher than the number of properties in the mapped SFHA (432). Communities look to have a comparable level of insurance for their risk.



206 structures were identified within avalanche hazard areas, with an estimated building value of \$124.9M. The majority of these structures are located within Eagle River (111) and Girdwood (75).

\$26.2B in building values are located in areas subject to 3-second gusts over 100 mph.



Approximately \$6.3B in building and content values (5,092 improved parcels) in the studied communities are at risk from a landslide hazard occurrence.



While multiple past Presidentially Declared Disasters were referenced in the Risk Report related to flood, earthquake, avalanche, dam failure, landslide, and high winds, only three Declarations impacted the MOA directly. These disasters involved flood, severe winter storms, avalanches, and high winds.



State and local officials can use the information in the Risk Report to integrate hazards into current land use planning, identify areas for mitigation projects, and develop outreach materials for residents.



The largest percentage of non-English speaking residents in the MOA speak Asian and Pacific\* languages at home.



Earthquake assessments were based off of three scenarios; M7.1, M7.2, and M7.5. The MOA would experience a total building dollar loss of \$468.2M from the M7.2 scenario.



Following an M7.2 earthquake, the total essential facility damage would equal \$57.8M. Transportation system impacts would cause damage to highways, railways, bus systems, the Port, and the airport, resulting in an economic loss of \$50.3M.

## 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.



The Lower Fire Lake Dam inundation area would impact 130 buildings in Eagle River with \$39.9M in exposed value.

## KEEPING THE MUNICIPALITY OF ANCHORAGE SAFE: Your Risk MAP Timeline



\*Language categories determined by the US Census Bureau