

GRANITE FALLS 2026 HAZARD MITIGATION PLAN

June 3, 2026



Agenda

1 Risk Assessment

2 Community Engagement

3 Hazard Mitigation Strategies

4 Questions

What hazards have been analyzed?



Earthquake & Tsunami



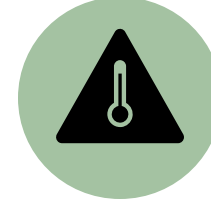
Flood



Dam Failure



Mass Earth
Movement



Extreme Heat and
Drought



Volcano



Severe Weather
Events



Wildfire



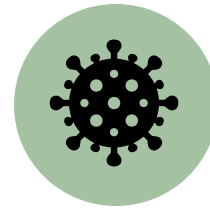
Cybersecurity



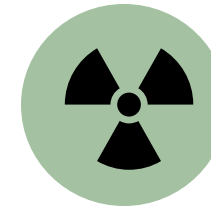
Active Assailant



Aircraft Accident

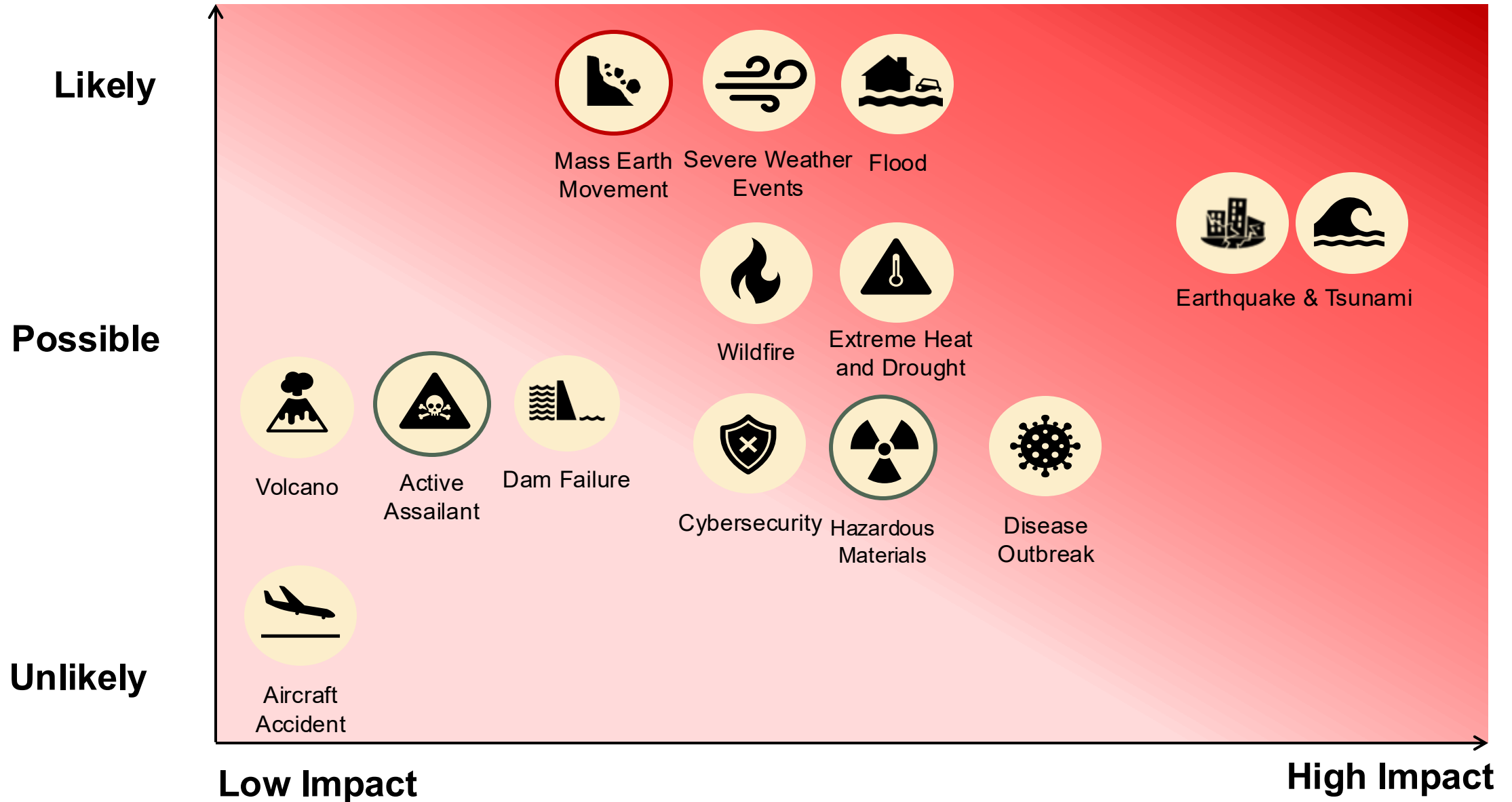


Disease Outbreak



Hazardous
Materials

Risk Assessment Results



Key Insights from Risk Assessment

1

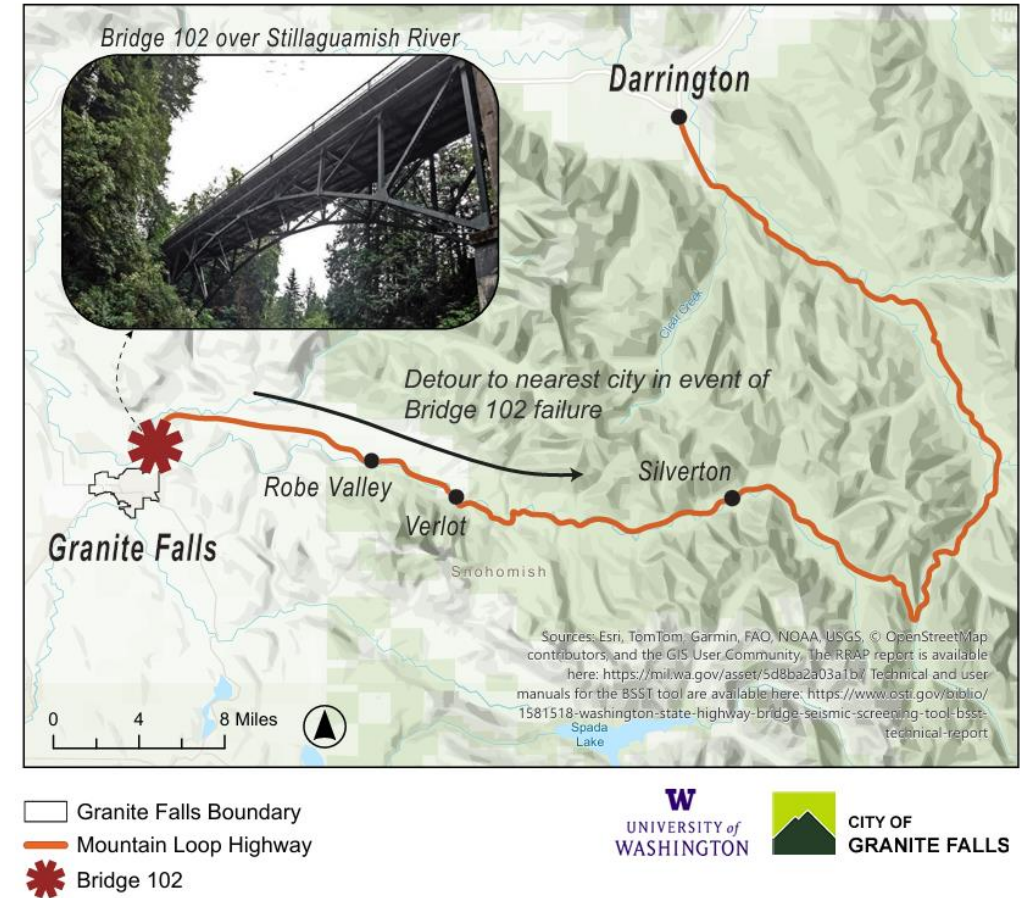
ISOLATION. Hazards with severe regional impacts such as earthquakes & tsunami could prevent movement in or out of the city. This means that residents may be cut off from essential services for extended periods of time.

2

INFRASTRUCTURE. Damage to vulnerable infrastructure such as Bridge 102 and older wastewater lift stations can compromise mobility and provision of services. Older buildings will face more severe damage during earthquakes.

3

CLIMATE CHANGE is likely to increase the probability of extreme heat events, severe weather events, flooding, landslides, and potentially wildfire.



Key Insights from Risk Assessment

1

ISOLATION. Hazards with severe regional impacts such as earthquakes & tsunami could prevent movement in or out of the city. This means that residents may be cut off from essential services for extended periods of time.

2

INFRASTRUCTURE. Damage to vulnerable infrastructure such as Bridge 102 and older wastewater lift stations can compromise mobility and provision of services. Older buildings will face more severe damage during earthquakes.

3

CLIMATE CHANGE is likely to increase the probability of extreme heat events, severe weather events, flooding, landslides, and potentially wildfire.



Key Insights from Risk Assessment

1

ISOLATION. Hazards with severe regional impacts such as earthquakes & tsunami could prevent movement in or out of the city. This means that residents may be cut off from essential services for extended periods of time.

2

INFRASTRUCTURE. Damage to vulnerable infrastructure such as Bridge 102 and older wastewater lift stations can compromise mobility and provision of services. Older buildings will face more severe damage during earthquakes.

3

CLIMATE CHANGE is likely to increase the probability of extreme heat events, severe weather events, flooding, landslides, and potentially wildfire.



Source: King 5 News, 2023 flooding in Granite Falls

COMMUNITY ENGAGEMENT

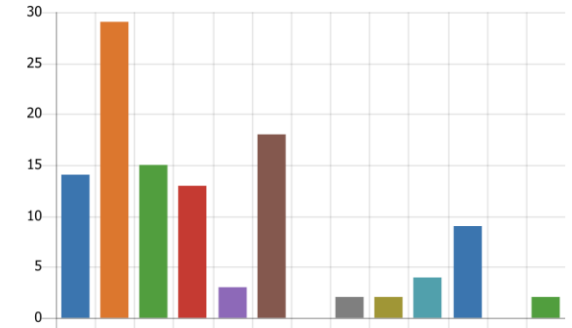


Community Engagement Strategies

- Two phases:
 - An online community engagement survey
 - In-person community engagement event.
- Survey:
 - Text message and Facebook
 - 8 questions
 - 37 responses
 - Average response time is 6:09 min.
- In-person community engagement at Sky Valley Motorcycle Show

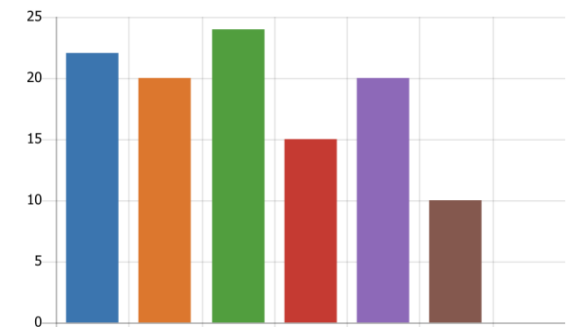
2. Which three hazard events do you think are the biggest threats to Granite Falls?

Flood	14
Wildfire	29
Earthquake	15
Landslides	13
Disease Outbreak	3
Severe Weather	18
Dam Failure	0
Volcano	2
Hazardous Material Spill	2
Extreme Heat & Drought	4
Active Attacker	9
Plane Crash	0
Cyber Security Attack	2



3. What are the top 3 things that worry you the most in the event of a hazard?

Access to food/water	22
Access to medicine/healthcare	20
Not being able to evacuate	24
Not being able to get back to ...	15
Being separated from your fa...	20
Losing your Granite Falls hom...	10
Other	0



Key Insights from Community Engagement Survey

1

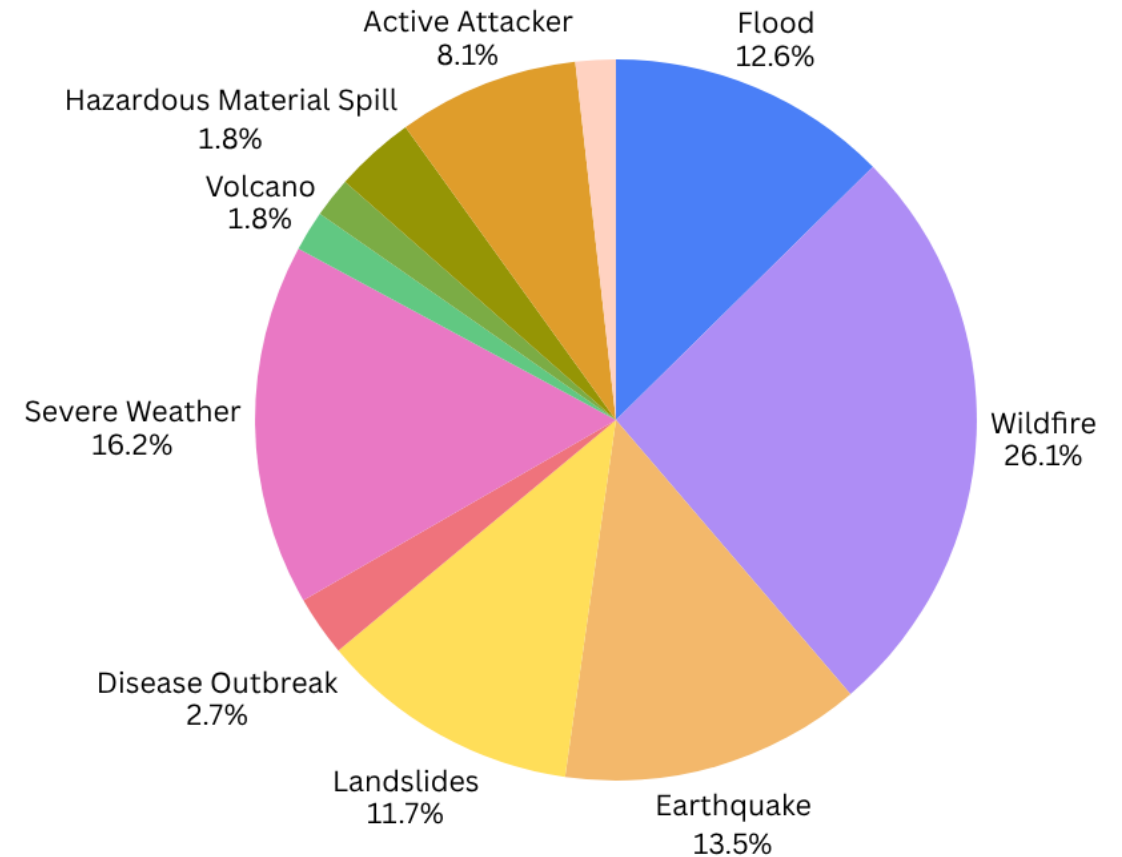
Wildfire, Severe Weather, and Earthquake are perceived as the 3 biggest threats.

2

The community is most worried about not being able to evacuate, and access to essential services/needs.

3

Granite Falls residents want to see the city provide more community education and infrastructure improvements.



Key Insights from Community Engagement Survey

1

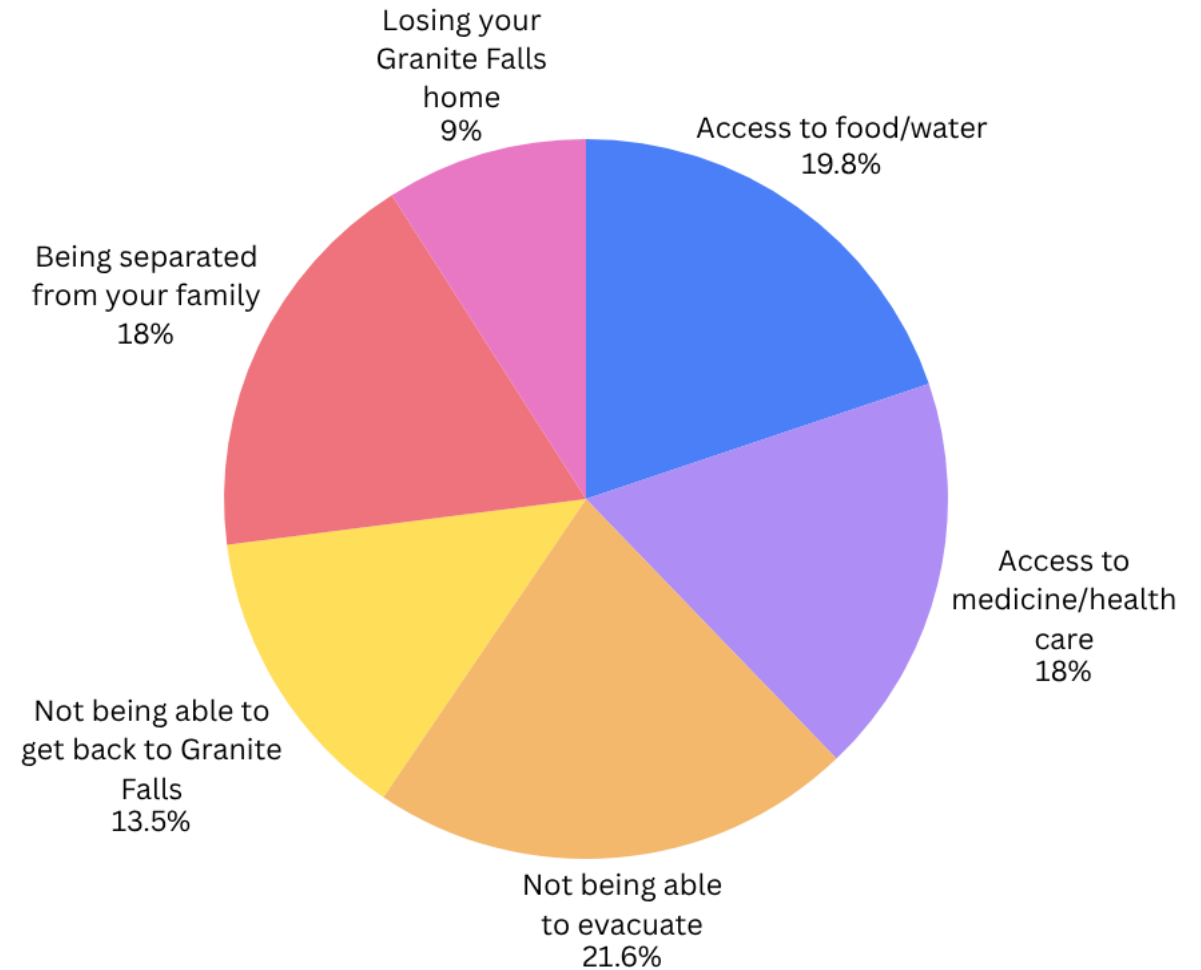
Wildfire, Severe Weather, and Earthquake are perceived as the 3 biggest threats.

2

The community's 3 biggest worries are not being able to evacuate, access to food/water, and access to medicine/health.

3

Granite Falls residents want to see the city provide more community education and infrastructure improvements.



Key Insights from Community Engagement Survey

1

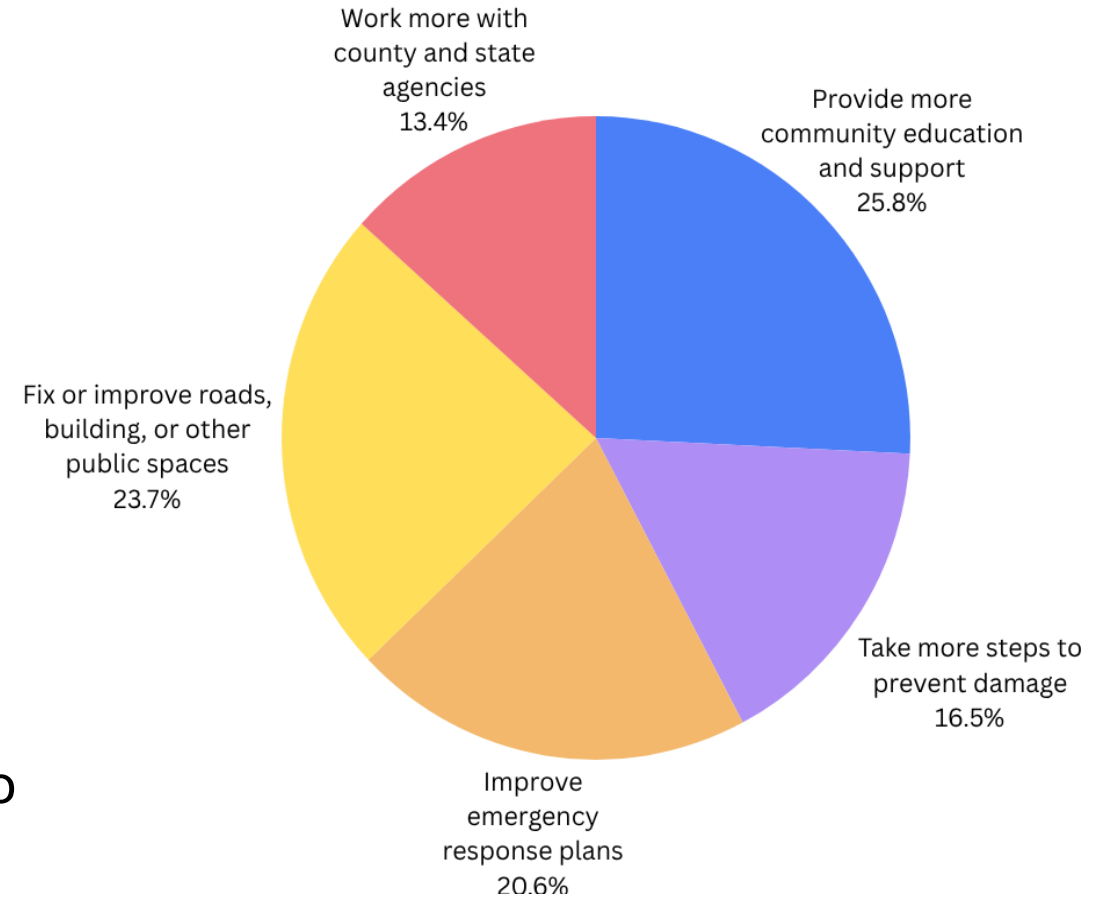
Wildfire, Severe Weather, and Earthquake are perceived as the 3 biggest threats.

2

The community is most worried about not being able to evacuate, and access to essential services/needs.

3

Granite Falls residents' 3 suggestions are to receive **more community education, infrastructure improvements, and improve emergency response plans.**



Community Engagement Event – Sky Valley Motorcycle Show

- 29th Annual Sky Valley Motorcycle Show
- Interactive poster board for residents to share thoughts on hazards and preparation
- Map of where residents see the greatest risks

What do you think Granite Falls Could do to prepare for hazards?

Community Education/Support 	Prevent Damage 	Improve Emergency Response
Fix Roads, bridges, infrastructure 	Work with County and State agencies 	

Which Hazards Worry you the most in Granite Falls?

Earthquake 	Flood 	Wildfire
Landslides 	Severe weather 	Disease outbreak
Cybersecurity Attack 	Extreme heat/drought 	Volcano EMMAD
Active Attacker 	Hazardous material Spill 	Plane crash
		Dam Failure

HAZARD MITIGATION STRATEGIES



Mitigation Strategy Prioritization

Benefit Matrix High Medium Low

Project Cost

The total cost to implement an action or project over its lifecycle.

Hazard Risk Rating

Actions that address high risk hazards or hazards that produce greater community vulnerabilities.

Goal and Objective Fulfillment

Actions that will achieve plan goals and policies.

Life Safety

An action's ability to protect the safety of residents, businesses, property, and community lifelines.

Social Vulnerability

Actions that directly benefit underserved communities, individuals, or groups that are socially vulnerable.

Changes in Development

Actions that account for changes in development due to recently completed/planned construction or changes in policies.

Climate Change

Actions that address a hazard that will present greater risks in the future because of climate change.

Geographic Impact

Actions that address a hazard for the entire geographic area that is affected or at risk.

Hazard Mitigation Strategies

Community Education

GF - 04 **High**

Community Center
Programs

GF - 05 **High**

Hazard Awareness
Outreach

GF - 06 **High**

Hazard Alert System
Expansion

GF - 08 **Medium**

Community
Preparedness
Workshops

Emergency Preparation

GF - 01 **High**

Priority Facilities List

GF - 02 **High**

Transportation
Resilience
Improvements

GF - 07 **Medium**

Potable Water Supply
Planning

GF - 09 **Medium**

Sustainability and
Planning Standards

Environment & Infrastructure

GF - 03 **High**

Alternative Energy
Development

GF - 10 **Medium**

Hazardous Tree
Removal Program

GF - 11 **Low**

Urban Greening

GF - 12 **Low**

Reduce the Effect of
Mass Earth Movement

Community Education

Lead agencies: Public Works, Planning & Community Development, Granite Falls City Admin, and Snohomish County Department of Emergency Management

04

Community Center Programs. Incorporate emergency-response functions, such as a preparedness education center and emergency shelter, into the planned Granite Falls Community Center.

05

Hazard Awareness Outreach. Build on existing mutual aid networks to increase hazard awareness among residents and protect those living in vulnerable areas.

06

Hazard Alert System Expansion. Protect residents from impacts of hazards by expanding and formalizing hazard alert systems to reach all residents.

08

Community Preparedness Workshops. Develop and hold community workshops about emergency preparedness.

High Medium Low



Granite Falls Library

Emergency Preparation

Lead agencies: Public Works and Planning & Community Development

01

Priority Facilities List. Develop a list of buildings/areas to prioritize in the case of a disastrous event.

02

Transportation Resilience Improvements. Mitigate the damage to roads and transportation routes during hazardous events by continuing to support the 2044 Comprehensive Plan, Six-Year Transportation Improvement Plan.

07

Potable Water Supply Planning. Initiate planning towards potable water supply development.

09

Sustainability and Planning Standards. Develop sustainability and resilience standards that codify hazard mitigation into planning documents.

High Medium Low



W Stanley Street

Environment & Infrastructure Improvements

Lead agencies: Public Works and Planning & Community Development

03

Alternative Energy Development. Consider alternative energy sources for future municipal development to decrease dependence on outside sources in the event of energy disruption or city isolation.

10

Hazardous Tree Removal Program. Remove/trim unhealthy and hazardous trees to reduce wildfire risk and damage from severe weather.

11

Urban Greening. Reduce damage during flooding and severe weather by increasing urban greening infrastructure, including bioswales, rain gardens, and permeable surfaces.

12

Greater Storm Management Protections. Reduce the effect of mass earth movement and flooding by providing greater protection for natural features in the Stormwater Management Program.

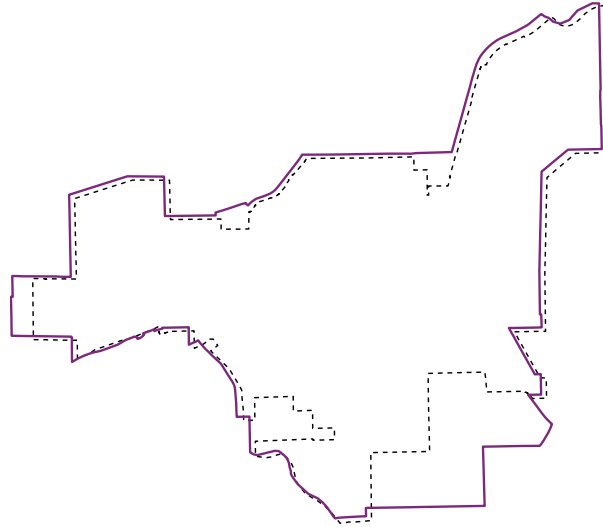


Frank Mason Park

High Medium Low

THANK YOU!

- Saida Sobhani
- Robert Freitag
- Insha Akram
- Brent Kirk
- Amy Hess
- Charles White
- Rebecca Carpenter



Questions?

Representative: Caleb Osborne, calebo18@uw.edu

Previous Federal Declaration Hazard Events since 2016

