

## **APPENDIX A: PUBLIC HEALTH**

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### **Hazard Characteristics**

The State of Alaska establishes a system for coordinating the operational phases of emergency management within the Emergency Support Function (ESF) #8 which covers Public Health and Medical Services in the State of Alaska. Response to public health or medical disasters requires the cooperation of multiple Divisions within the State of Alaska DOH, as well as external partners. The Department of Health's Emergency Operations Plan and subsequent Annex's specify how the Division of Public Health will respond to various hazards in disaster emergencies, and is designed to:

- Ensure a coordinated effort by local and tribal governments, State, Federal, volunteer, and private agencies in the management of public health emergencies or disasters to save lives
- Ensure appropriate and timely activation of the Emergency Operations Center and response staff.
- Describe conditions that affect the public health disaster response operations
- Describe public health hazards that threaten the people, property, and resources
- Assign public health emergency management tasks to local, tribal, State, Federal, volunteer, and private agencies as appropriate for response to terrorist events, natural or manmade disasters

The hazards addressed in the Emergency Operations Plan are as follows:

#### **Department of Health Emergency Operations Base Plan**

Coordinates DOH response to and recovery from emergencies and disasters. Engages in public health and medical preparedness activities in association with hospitals, community organizations, local governments, and state and federal entities.

#### **Annex A: Department of Health Emergency Operations Center Plan**

Plans, trains, exercises, and operates the Department of Health (DOH) EOC. Coordinates all activities associated with the DOH EOC.

#### **Annex B: Risk Communication and Information Sharing**

Serves as the DOH representative to the Joint Information Center (JIC). Creates all press releases and provides guidance and support to all department staff regarding public messaging during disasters or public health emergencies.

#### **Annex C: Biological Response**

Epidemiology is responsible for initial screening to determine if further testing is appropriate in cases of emerging infectious diseases. Public Health Laboratories performs testing and reports results to providers and Epidemiology.

#### **Annex D: Chemical Response**

Responds to all cases involving chemical exposure in a disaster, either confirmed or suspected. Epidemiology performs initial response and surveillance. Public Health Laboratories performs testing on samples for confirmation.

#### **Annex E: Radiological Nuclear Response**

Respond to all cases involving radiation exposure, either confirmed or suspected.

#### **Annex F: Medical Countermeasures Management**

Coordinates the maintenance, storage, and deployment of the Strategic National Stockpile, in consultation with the federal government. Coordinates the release of state-owned pharmaceuticals when appropriate.

#### **Annex G: Mass Casualty**

Coordinates with hospitals to ensure medical supply, equipment, and personnel needs are met in the

affected community. Coordinates with local governments and the federal government to arrange for the transport, tracking, and care of patients who must be moved out of their current geographic location due to the emergency or disaster. This includes out of state patient movement.

#### **Annex H: Mass Fatality**

Responsible for all aspects of a mass fatality event, including the management of remains, preservation of evidence (when applicable), and investigation of fatalities.

#### **Annex I: Behavioral Health**

Supports victims of the disaster, particularly those in mass shelters. Serves as an asset to support responders and staff members with stress impact and mental health needs during the disaster or public health emergency.

#### **Annex J: Pandemic Influenza**

Conducts surveillance, collects specimens, and engages in public education related to potential and actual infectious disease outbreaks.

#### **Annex K: Pharmaceutical Management**

Coordinates with local governments, clinics, and hospitals to dispense pharmaceuticals as needed during a disaster or public health emergency.

#### **Annex L: Volcanic Eruption and Ashfall Event Response**

Details the roles and responsibilities of DOH during ashfall events and volcanic eruptions.

## **History**

There are 27 hospitals in Alaska: 9 General Acute Care Hospital (GACH), 1 Long Term Acute Care Hospital (LTACH), 4 Specialized Hospital (Psych), 13 Critical Access Hospital (CAH). Throughout the State of Alaska, there are currently 23 acute care hospitals serving a population of approximately 739,828 people. While the population of Alaska is relatively small compared with some other states, the vast land territory of 663,268 square miles creates a unique environment for the provision of health care. Hospitals range from comprehensive facilities serving the larger urban populations to small facilities that provide the only healthcare available within a sizeable rural area. In addition to hospitals, there are tribal health care organizations, public health clinics, and nursing homes that provide a significant amount of healthcare in Alaska. In a disaster, it is likely that many of these healthcare facilities will be affected, either directly or through a surge of patients injured by the event.

Alaska has established mutual aid and assistance compacts among and between state, local, and tribal entities, as well as private and non-governmental partners. The Emergency Management Assistance Compact (EMAC) is a formalized agreement between 50 states, the District of Columbia, Puerto Rico, Guam, the Commonwealth of the Northern Mariana Islands, and the U.S. Virgin Islands to provide mutual assistance during emergencies or disasters. Alaska is a signatory to the Pacific Northwest Emergency Management Arrangement (PNEMA), a mutual aid agreement among Alaska, Oregon, Idaho, Washington, and British Columbia and the Yukon Territory in Canada.

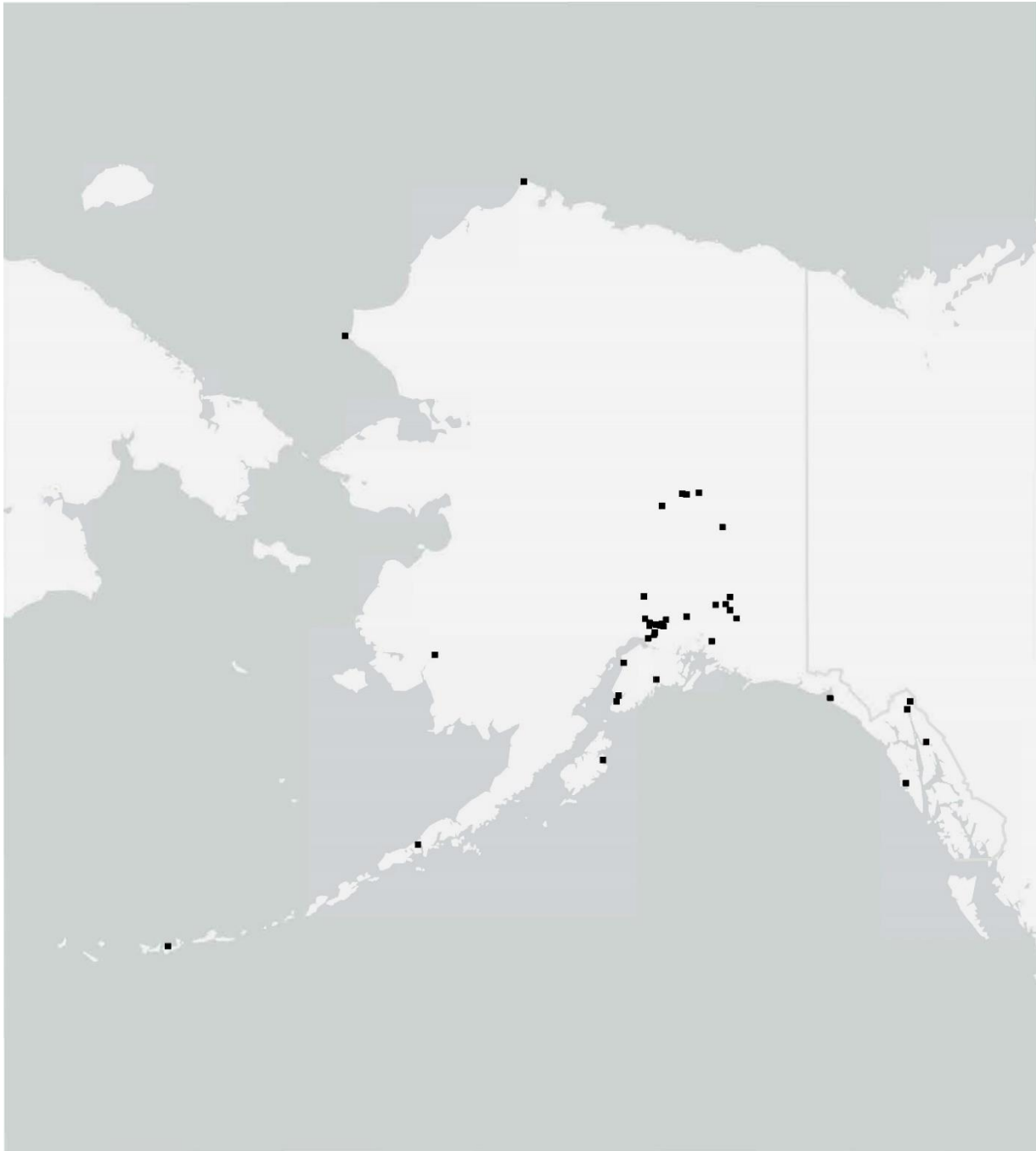
EMAC establishes a legal foundation for sharing resources between states, solves the problems of liability and responsibilities of cost, and allows for credentials, licenses, and certifications to be honored across state lines. EMAC also establishes parameters for requesting assistance from other states and ensures prompt, full, and effective utilization of states' resources. Through the EMAC, participating states also provide cooperation in emergency-related exercises, testing, and other training activities.

Public Health resource requests will be routed through the Department of Health Emergency Operations Center (DOH EOC) to the State of Alaska Emergency Operations Center (SEOC). The SEOC will coordinate with DOH EOC on resource requests for public health emergencies. Once the SEOC has

completed the vetting process, the resource request will be submitted to FEMA and other states through the EMAC system.

## **APPENDIX B: PUBLIC SURVEY RESPONSES**

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Locations of survey responses from Survey #1 and Survey #2

State of Alaska 2023 Hazard Mitigation Plan Update  
Survey #1

Survey Response Summary

Total # of Responses: 104

## Q1 Please provide your location

Answered: 104 Skipped: 0

#	RESPONSES	DATE
1	Wasilla	3/10/2023 12:35 PM
2	Homer, Alaska	3/10/2023 11:16 AM
3	Anchorage	3/9/2023 10:33 PM
4	Anchorage	2/21/2023 3:23 PM
5	Seward, AK	2/7/2023 6:33 AM
6	Kenai Peninsula Borough	2/6/2023 9:43 AM
7	Eagle River (Eagle River Valley)	1/30/2023 10:04 AM
8	Fairbanks	1/26/2023 7:14 PM
9	Point Hope	1/25/2023 12:51 PM
10	Wailla	1/23/2023 4:15 PM
11	Fairbanks	1/23/2023 10:15 AM
12	Eagle River	1/21/2023 11:34 AM
13	Big Lake	1/20/2023 7:56 PM
14	Anchorage	1/19/2023 7:56 PM
15	Palmer	1/19/2023 11:23 AM
16	Delta Junction	1/19/2023 9:13 AM
17	Kodiak Alaska	1/17/2023 2:37 PM
18	Anchorage	1/6/2023 4:00 PM
19	Skagway	12/14/2022 10:14 AM
20	Anchorage	11/29/2022 3:04 PM
21	Valdez, Alaska	11/20/2022 6:32 PM
22	Talkeetna	11/14/2022 12:04 PM
23	Valdez	11/12/2022 8:57 AM
24	Copper Center	11/10/2022 12:07 PM
25	Talkeetna, AK	11/3/2022 8:48 PM
26	Fairbanks	11/1/2022 11:25 AM
27	King Cove Alaska	10/23/2022 8:30 AM
28	Wasilla	10/20/2022 12:20 PM
29	Two Rives, AK	10/20/2022 8:28 AM
30	Wasilla	10/18/2022 11:45 PM
31	Glacier View, Alaska 99674	10/14/2022 1:09 PM
32	Wasilla	10/10/2022 7:59 PM
33	Yakutat	10/10/2022 10:07 AM



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34	Matanuska Susitna Valley	10/7/2022 4:34 PM
35	Gakona	10/7/2022 4:33 PM
36	Wasilla	10/7/2022 4:32 PM
37	Glennallen	10/6/2022 7:08 AM
38	Fairbanks	10/4/2022 8:02 PM
39	Wasilla	10/1/2022 11:55 AM
40	Wasilla	10/1/2022 11:05 AM
41	Wasilla	10/1/2022 6:59 AM
42	Sutton	9/30/2022 2:36 PM
43	Matanuska Susitna Valley	9/30/2022 2:18 PM
44	Cottonwood Lake...Palmer/Wasilla	9/30/2022 9:20 AM
45	Wasilla	9/30/2022 5:39 AM
46	Mile 3 Fairview Loop Wasilla AK	9/29/2022 11:55 PM
47	Palmer, Alaska	9/28/2022 10:59 PM
48	Palmer	9/28/2022 9:34 PM
49	Anchorage	9/28/2022 11:09 AM
50	Ester, Alaska (Interior Alaska)	9/28/2022 9:16 AM
51	Palmer	9/28/2022 7:41 AM
52	Palmer, AK	9/28/2022 6:18 AM
53	Kenny Lake	9/28/2022 4:27 AM
54	Anchorage	9/28/2022 1:48 AM
55	Anchorage	9/27/2022 10:47 PM
56	Eagle river	9/27/2022 9:29 PM
57	Palmer	9/27/2022 8:59 PM
58	Big Lake	9/27/2022 8:58 PM
59	Memory Lakes Subdivision/Wasilla AK	9/27/2022 8:45 PM
60	Wasilla	9/27/2022 8:35 PM
61	Palmer	9/27/2022 7:48 PM
62	Wasilla	9/27/2022 7:47 PM
63	Meadow Lakes	9/27/2022 7:18 PM
64	Palmer	9/27/2022 7:11 PM
65	Palmer	9/27/2022 6:17 PM
66	Wasilla	9/27/2022 6:02 PM
67	Palmer, Alaska	9/27/2022 5:51 PM
68	Valdez/Copper River Basin	9/27/2022 5:39 PM
69	Homer	9/27/2022 4:48 PM
70	Gakona, alaska	9/27/2022 4:04 PM
71	Two Rivers AK	9/27/2022 12:26 PM

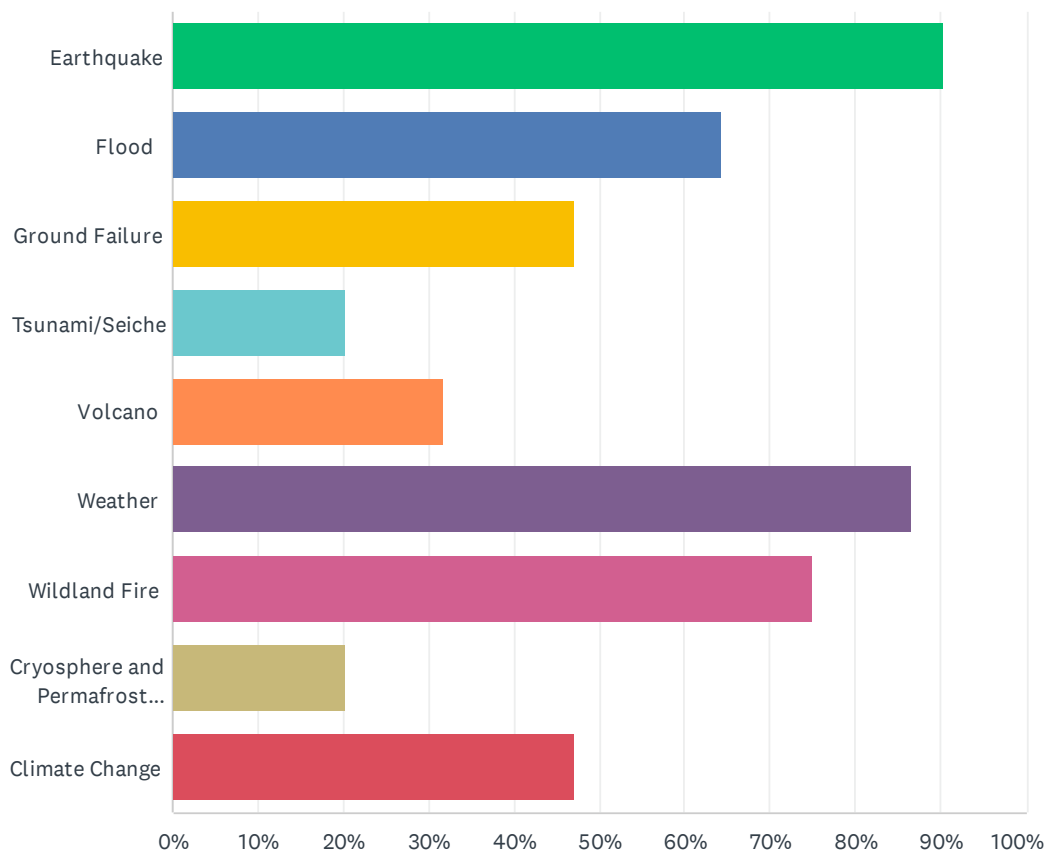
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72	Anchorage	9/18/2022 11:16 AM
73	Fairbanks	9/7/2022 4:24 PM
74	Houston	8/21/2022 12:32 AM
75	Wasilla	8/20/2022 6:33 PM
76	Wasilla	8/20/2022 5:55 PM
77	Wasilla	8/17/2022 10:04 AM
78	Wasilla Alaska	8/8/2022 5:13 PM
79	City of Adak, Alaska	8/8/2022 12:07 PM
80	Matanuska Valley Alaska	8/8/2022 11:51 AM
81	Tolsona, AK	8/6/2022 11:04 PM
82	Gateway, AK	8/5/2022 12:30 AM
83	Houston ALaska	8/4/2022 9:53 PM
84	WASilla	8/4/2022 6:52 PM
85	Butte, Alaska	8/4/2022 10:47 AM
86	Wasilla	8/4/2022 10:18 AM
87	Anchorage	8/4/2022 5:55 AM
88	Palmer	8/4/2022 12:27 AM
89	MatSu	8/3/2022 9:35 PM
90	Palmer, AK	8/3/2022 5:51 PM
91	25679 W Long Lake Road, Willow AK	8/3/2022 3:54 PM
92	Palmer, AK	7/31/2022 12:08 AM
93	Wasilla	7/29/2022 1:10 PM
94	Valdez	7/29/2022 8:42 AM
95	Anchorage	7/29/2022 7:53 AM
96	Wasilla	7/28/2022 10:00 PM
97	Anchorage	7/28/2022 8:43 PM
98	Anchorage	7/28/2022 11:19 AM
99	Anchorage	7/27/2022 10:53 PM
100	Sitka	7/27/2022 2:37 PM
101	Bethel, Ak 99559	7/27/2022 2:30 PM
102	Anchorage	7/27/2022 1:31 PM
103	Wasilla	7/27/2022 1:03 PM
104	Eagle River, Alaska	7/27/2022 8:01 AM



## Q2 Select which natural hazards affect your community

Answered: 104 Skipped: 0



ANSWER CHOICES	RESPONSES	
Earthquake	90.38%	94
Flood	64.42%	67
Ground Failure	47.12%	49
Tsunami/Seiche	20.19%	21
Volcano	31.73%	33
Weather	86.54%	90
Wildland Fire	75.00%	78
Cryosphere and Permafrost Degradation	20.19%	21
Climate Change	47.12%	49
Total Respondents: 104		

**Q3 If you would like to share any information or stories on historic hazards in your community, add them here (specific information about when the event occurred; how significant {how many feet of flooding, how fast did the wind blow, how many feet of shoreline was lost, etc}; and specific details about loss {were people hurt, were buildings damaged, etc} will help provide details for this hazard mitigation plan.)**

Answered: 48 Skipped: 56

#	RESPONSES	DATE
1	2018 earthquake loss of roadways, 2022 winter wind storm left the majority of the valley without heat and power, unable to find generators for personal use, little to no guidance from law enforcement or state on where to go or assistance offered especially for elderly or those with newborn or small children,	3/10/2023 12:35 PM
2	It feels pretty tenuous at times, being at the end of the road with so many things like a bridge failure, flood, avalanche or landslide ready to sever our connection.	3/10/2023 11:16 AM
3	Wind & rain storm, fall 2012. Excessive snow load (multiple roof collapse), winter 2012. Earthquake November 2018, lots of damage in Anchorage & valley.	2/21/2023 3:23 PM
4	See KPB Hazard Mitigation Plan Update 2019 and AARs sent to DHS	2/6/2023 9:43 AM
5	I have lived in Fairbanks for the last 40 years. The winters are shorter, the summers are longer, and the fires are more widespread than I can ever remember. Extreme weather systems have washed out our bridges, impacted coastal communities, and have caused extensive damage to infrastructure. Heavy snows last year caused several roofs in the interior to collapse.	1/26/2023 7:14 PM
6	The Mat Su River floods every year	1/23/2023 4:15 PM
7	The windstorm in Jan 2022 blew down a storage tent and I was without power for about 60 hours. Wind storms and heavy snow storms always interrupt MEA.	1/20/2023 7:56 PM
8	In the Bells Flats area of Kodiak, Sargent Creek is a small anadromous water body that is a flashy and effected by rainfall and melt waters in the mountains surrounding the Women's Bay area. Over the past ten years on nearly an annual or semi annual basis, large rain events in conjunction with high tides cause Sargent Creek to overflow and top Sargent Creek Road. These repetitive events initially cause the area residents either restricted or deny access to a subdivision of approximately 500 residents. These vents also restrict the access and egress of fire and ambulance services to these areas. Although the flooding occurs on approximately 250 feet of road, the repeated flooding has began to degrade the road structures and scour areas in the Russian River which threaten the state bridges adjacent to these areas. Although this damage has not yet incurred a great amount of costs, one significant event could destroy the single access road into the subdivision causing potential cost to area residents unable to commute too and from home to their work places. The restriction of this subdivision also commercially prevents the production and distribution of a significant source of gravel extraction for the entire Kodiak community.	1/17/2023 2:37 PM
9	2020 December extreme weather event disaster 1994 locally generated tsunami \$20 million in damage 2022 rockslide and economic impact disaster	12/14/2022 10:14 AM
10	East Talkeetna is comprised of a series of sloughs and creeks that have been disconnected by haphazard development. We need to reconnect the drainage system so we can safely mitigate the flooding risks that threaten our community of 100+ homes.	11/14/2022 12:04 PM
11	The Copper River flooded and eroded its banks over 150ft inland on this side of Copper Center at one time. Taking out paths, roads, traditional camps, fishwheels, and much more. My grandfathers camp was never rebuilt after that, there's just no way to make a new road or camp, we would need heavy equipment and tons of dirt. This was about a decade ago, and	11/10/2022 12:07 PM

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wasn't the last time the River changed its current, each year the land and waters are changing. We have sinkholes in some areas, houses and structures are either sinking or shifting.

12	For slope instability see example near Treasure creek. Department of Natural Resources land record LAS 31778. Information available from DNR State Pipeline Coordinators Section, DNR.PCO.Records@alaska.gov.	11/1/2022 11:25 AM
13	Lots of flooding and roads washed out - ice damn release causing floods - river bank erosion etc	10/20/2022 12:20 PM
14	Wildland fires are the predominant threat in the community. The community is currently (as of 10/2022) outside of a fire service area and serviced by BLM wildland fire fighters when the threat occurs. Community is threatened at an increasing rate, mandatory evacuation last happened in 2013, yet warnings at "1 Ready" and "2 Set" happen almost each year between June-August. Air quality is significantly impacted during these months as well, as the policy to "let it burn" does not allow for complete/immediate response/containment if no structures/infrastructure is threatened.	10/20/2022 8:28 AM
15	January 1, 2022 windstorm event (70-80mph sustained) knocked power out for 3.5 days at my location and when the power came back on at 3am, my forced-air gas furnace had frozen condensate in the lines which cause repeated misfiring sequences that landed me in the hospital with CO poisoning!	10/18/2022 11:45 PM
16	Hwy-1 has a serious lack of maintenance at Mile-63 s-curve nearing Sutton from Chickaloon. Jan-3 2022 i was caught mid-road in 3' snow blown over Highway-1: no plows, and location of death as well as rearending of AST auto ... AKDOT must focus on this priority.	10/14/2022 1:09 PM
17	Winds in excess of 100mph, week-long power outage, beetle-killed spruce limiting future firewood harvests, closed sportfish fisheries.	10/10/2022 7:59 PM
18	Lost a bridge in Yakutaga from flooding	10/10/2022 10:07 AM
19	Regular flooding happens all the time when ice dams break on the Tazlina River every year. 1. Floods on the Tazlina: <a href="https://www.countryjournal2020.com/2020/08/play-it-again-sam-flood-alert-at-tazlina.html">https://www.countryjournal2020.com/2020/08/play-it-again-sam-flood-alert-at-tazlina.html</a> 2. More floods on the Tazlina: <a href="https://www.countryjournal2020.com/2021/07/high-waters-on-tazlina-at-end-of-july.html">https://www.countryjournal2020.com/2021/07/high-waters-on-tazlina-at-end-of-july.html</a> This past summer, houses were swept into the Copper due to floods. 1. Houses going down the Copper: <a href="https://www.countryjournal2020.com/2022/05/houses-start-falling-into-copper-river.html">https://www.countryjournal2020.com/2022/05/houses-start-falling-into-copper-river.html</a> Permafrost is an issue here. Ponds are drying up, and I know of two houses that were literally moved after permafrost issues. Our house is affected by permafrost but we do not have the funds to move it. The Tok Cutoff, especially, as well as the Richardson is affected by permafrost. Often, sinking will suddenly happen overnight out on the highways.	10/7/2022 4:33 PM
20	Copper river erosion from high waters. Copperville lost homes this year. I'm 2015 copper center lost all thier fish wheels from a flood.	10/6/2022 7:08 AM
21	winter ice - increased prevalence and occurrence in recent years.	10/4/2022 8:02 PM
22	The cluster of houses where my residence is located experiences an increased exposure to wind activity due to the orientation of the structures and layot of the geography. It is most similar to the venturi effect in a carbeurator, where air is forced through a narrow channel and in response the speed increases. In January 2022 I had an entire green house lift up and land on top of the green house next to it. They were both anchored and built out beyond the factory specs.	10/1/2022 11:55 AM
23	The borough road going into my property was eroded by the Little Susitna river flooding. The replacement road was flooded again and does not provide safe access to my future home.	10/1/2022 11:05 AM
24	I live along the Matanuska River and I remember a few years ago watching an abandoned house fall into the river when the bank eroded. The main channel of the river was flowing right up against the highway.	9/30/2022 2:36 PM
25	100+ mile an hour winds caused narrow utility right of ways to have trees fall into the power lines.	9/30/2022 2:18 PM
26	Our area is very susceptible to earthquake's.	9/30/2022 9:20 AM
27	November 30, 2019 earthquake. Roads and home impacted. January 2022 3 days of 50 mph winds, homes and property damaged.	9/30/2022 5:39 AM

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28	Earthquake 2018 damaged foundation; Winter wind storm 2021/2022 caused 14-hour power outage	9/29/2022 11:55 PM
29	Wind storm in early 2022. 90 mph sustained wind and gusts over 120 for three days straight. Buildings and roof damage, property blown away, equipment turned over, huge snow drifts blocked garage and driveway.	9/28/2022 10:59 PM
30	I have lived here 50 years. The Interior has become more temperate with more rain, more snow, wind and ice storms. Also, wild land fires are becoming more unpredictable.	9/28/2022 9:16 AM
31	80mph winds	9/27/2022 8:59 PM
32	'96 fire came through my property. 2018 earthquake hit hard, but didn't damage anything of mine.	9/27/2022 8:58 PM
33	January 22- 100 mph gusts, Nov 2018 Earthquake plus aftershocks, Summer fires	9/27/2022 7:48 PM
34	We lost a quarter of our roofing in January of 2022 in a huge windstorm. We had some house damage from the 2018 earthquake. And Wasilla creek runs the backside of our 4 acres. It's flooded 2 times in the 15 years we've lived here. No flood damage to any structures. Only floods on the lower backside.	9/27/2022 7:47 PM
35	The wind was severe last year. Approx 90 mph in January. Part of our metal roof was slamming up and down. We were trying to get a contractor after damage was done to our roof. No one was available for approx 4-5 weeks. It would be nice to have info on contractors that can come out and help.	9/27/2022 7:18 PM
36	Flooding the past 5 years near hatcher pass, earthquake damage along palmer fishhook, extreme snow years requiring heavy equipment to keep driveways passable by spring	9/27/2022 7:11 PM
37	Regular landslides, avalanches, and rockfall onto the active Old Glenn and Seward Highways, regular earthquakes, lack of escape routes or alternate routes when these disasters happen.	9/27/2022 5:51 PM
38	Rocks, rocks, and more rocks falling. Always rocks on the road or falling from the hillside.	9/27/2022 4:04 PM
39	We get seasonal flooding most years which impacts people who live and recreate near local rivers. Freezing rain has become a serious issue almost every year causing trees to fall into power lines and dangerous road conditions. Many people in Fairbanks and surrounding areas were without power for over 36 hours in 2021, due to freezing rain then we got a severe cold snap. It seems like extreme weather events are increasing.	9/7/2022 4:24 PM
40	Earthquake at sea caused tsunami alarms to go off in Seward last year I was in it	8/20/2022 5:55 PM
41	We live in a neighborhood that didn't loose power during the 2021-2022 wind storm. We were very lucky. However, I personally was had to cancel a doctors appointment due to the facility closing because of the electrical grid going down. We had tree limbs on our power lines to our house that were never addressed and had to be taken down by my husband and neighbors. Luckily no one was hurt this time. This seems like such a simple solution that can be solved if there were just funding.	8/8/2022 5:13 PM
42	January 2022's windstorm caused damage to so many homes.	8/5/2022 12:30 AM
43	i could not get to work at the hospital for 4 days last winter due to impassible roads	8/4/2022 9:53 PM
44	Loss of shoreline, homes, businesses located on the west side of Old Glenn Highway.	8/4/2022 10:47 AM
45	Multiple earthquakes and wind events causing long-term power outages, and the 2018 earthquake closed the Glenn Highway at Mirror Lake	8/4/2022 12:27 AM
46	January 2022 Valley Windstorm. Power outages during frigid temperatures. Overturned vehicles on roads.	8/3/2022 5:51 PM
47	Earthquake Damage for all quakes over 5.5	8/3/2022 3:54 PM
48	100 year flood mark is how high we build in the flood zone.	7/27/2022 2:30 PM

## Q4 What are the critical facilities and infrastructure in your community that you rely upon?

Answered: 104 Skipped: 0

#	RESPONSES	DATE
1	Matsu regional hospital, matcom dispatch center, fire and ems stations, three bears, ftedmyers, Walmart, birthing centers, VA clinic, Alcantra Armory	3/10/2023 12:35 PM
2	Road system and ground transport for essentials, ferry/barge and docking facilities, hospital, library	3/10/2023 11:16 AM
3	My home, church, grocery store	3/9/2023 10:33 PM
4	Power company, gas company, water & wastewater service.	2/21/2023 3:23 PM
5	Roads, airport, hospital and clinic, bridges, diversion tunnel at Lowell Creek.	2/7/2023 6:33 AM
6	See KPB Hazard Mitigation Plan Update 2019	2/6/2023 9:43 AM
7	Multiple roads in Eagle River (Valley and South Fork) are one road in/out, which leads to evacuation challenges. We also have limited cell service, so people may not receive timely notifications.	1/30/2023 10:04 AM
8	GVEA- electric College Utilities-water/sewer grocery stores railroad parks highway richardson highway dalton highway	1/26/2023 7:14 PM
9	The native Store and the School	1/25/2023 12:51 PM
10	MEA and MTA/ENSTAR	1/23/2023 4:15 PM
11	Richardson Hwy, Steese Hwy	1/23/2023 10:15 AM
12	Bridge	1/21/2023 11:34 AM
13	MEA - electric power ATT - Cell/Data MTA - Internet Three Bears - food/gas/other items Road maintenance/plowing	1/20/2023 7:56 PM
14	Medical, law enforcement, airport, port, roads	1/19/2023 7:56 PM
15	City-managed snow plowing, water, sewer and road maintenance. Enstar Natural Gas utilities. Emergency services. MEA electric utilities.	1/19/2023 11:23 AM
16	Gas/heating fuel Grocery	1/19/2023 9:13 AM
17	Fire Station, Kodiak Island Borough Gravel extraction sites.	1/17/2023 2:37 PM
18	Power infrastructure. Roads.	1/6/2023 4:00 PM
19	All port infrastructure, south Klondike highway, clinic, school, rec center, apt power plant and petro marine tank farm	12/14/2022 10:14 AM
20	food stores, natural gas pipes, internet service	11/29/2022 3:04 PM
21	The gas station, the grocery store, the harbour, 5he ferry dock	11/20/2022 6:32 PM
22	Our community relies on safe navigation of our neighborhood roads for driving, bicycling, and walking. Our 100+ homes should be protected from flooding by ensuring that culverts and drainage systems are fully connected and offer cohesive flood management.	11/14/2022 12:04 PM
23	Hospital, road maintenance, food supply, Energy supply (electric, fuel etc)	11/12/2022 8:57 AM
24	Homes, Apartments, Tribal Community Hall, Community Church, Multipurpose Facilities.	11/10/2022 12:07 PM
25	Health Clinic, Water and Sewer, Fire Department, Airport, School, Fuel Depot, Groceries	11/3/2022 8:48 PM
26	Hospital, bridges, roads, Chena flood control project, power grid, trans Alaska Pipeline	11/1/2022 11:25 AM



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27	Fish process plant, Fuel Farms, powerhouse	10/23/2022 8:30 AM
28	Roads, public buildings, hospitals and schools	10/20/2022 12:20 PM
29	1 Chena Hot Springs Road is the only road access to communities of 1000+ households. IF this road is cut off, there is limited alternatives to reaching services (Medical/EMT/safety) in Fairbanks or North Pole. River travel is possible, but unlikely as households are not necessarily equipped for large scale evacuation by river. Community also includes an elementary school (possible shelter location), small community center, and gas station.	10/20/2022 8:28 AM
30	electricity, gas, roadways	10/18/2022 11:45 PM
31	Verbal communications ... there is no local 'gathering hole' and this also is priority over a walking-biking trail (to be used by a few dozen folks, just a few weeks a year). There needs be made a secure location for open-message pickup, AMBER Alert updates board, a Classifieds board ... in a open, focused place. The consistent keeping of thieves and con artists from our small, non-linked well, Community is a priority we all must assist AST with. Some USPS has been vandalized too much..	10/14/2022 1:09 PM
32	Grocery store, gas station, hospital, school, bank, hardware store.	10/10/2022 7:59 PM
33	Max Italio Drive sliding into the ocean	10/10/2022 10:07 AM
34	Roads, rail, fire and EMS stations	10/7/2022 4:34 PM
35	The region's infrastructure is in a state of decay. For example, Wells Fargo bank has recently closed for weeks at a time due, apparently, to staffing shortages. We have reliable electricity, but last winter, our family paid \$500 in one month for power. Critical medical facilities are not at their peak. Cross Road Medical Center announced a few weeks ago they would only be open during the day 5 days a week, with no service for the additional 16 hours in each of those days, and no service in the 24 hours each weekend day. Copper River Native Association has a clinic, too, with identical hours. So there is no weekend or after hour health care other than an ambulance provided by a company from Delta Junction. (In the past, 20 years ago, there was 24/7 medical service, and actual "doctors" at Cross Road, and a robust volunteer region-wide ambulance service.) One problem the community faces is its role as a transportation hub. During the summer and hunting and fishing season, huge numbers of people pass through, in every direction. Unlike many parts of Alaska, where roads are linear, this is the most splayed-out section of the state, coming to a point at Glennallen, a non-incorporated sprawling little community. Glennallen has more roads going out of it than any other place in the state. (For example, Anchorage essentially has only two roads leaving it -- the Glenn going north and the Seward Highway, headed south.) Glennallen has the Richardson, north and south, the Tok Cutoff, the Glenn headed into Anchorage, and ties into the McCarthy Road, the Tok Cutoff, Lake Louise Road, the Denali Highway, and the Nabesna Road, all of which are considered part of the Copper Valley community by locals and services.	10/7/2022 4:33 PM
36	Bridges, grocery stores, gas stations, roads	10/7/2022 4:32 PM
37	Water well Fuel stations	10/6/2022 7:08 AM
38	Road system; rail system; aviation (commercial and private); water treatment plant (intake/output); power plant and electric grid; Fire/Police/EMS (city, UAF, military); hospital; elder care (indigenous and non-indigenous); telecommunication (landline/cellular); grocer;	10/4/2022 8:02 PM
39	Natural Gas, Water supply. Electricity...for now, but working on a remedy to be more independent.	10/1/2022 11:55 AM
40	Roads, Electric Utility infrastructure, Natural Gas utility infrastructure	10/1/2022 11:05 AM
41	Shipping, retail	10/1/2022 6:59 AM
42	I rely on the Glenn Hwy to get to every facility/business in the valley.	9/30/2022 2:36 PM
43	power lines and roads	9/30/2022 2:18 PM
44	Fire Dept and Utilities.	9/30/2022 9:20 AM
45	Schools, hospital	9/30/2022 5:39 AM
46	Road maintenance, grocery stores, internet, electricity, natural gas	9/29/2022 11:55 PM

## State of Alaska Hazard Mitigation Plan Questionnaire

47	Fred Meyers, Walmart, NAPA- roadways	9/28/2022 10:59 PM
48	Water and electricity	9/28/2022 9:34 PM
49	A road out of town. It is unimaginable that 50% of all the humans in Alaska rely on a single road, with easily damaged bridges, as their only means of escape in the event of a major disaster. Another road and the Knik Arm Bridge must be built to ensure adequate egress routes.	9/28/2022 11:09 AM
50	Water fills, grocery stores, gas stations, power generation systems, and dump sites.	9/28/2022 9:16 AM
51	Fuel supply (Diesel/Gasoline) Natural Gas Electricity	9/28/2022 7:41 AM
52	Highway between Anchorage and Palmer.	9/28/2022 6:18 AM
53	Fuel supply chain, electric, roads, well water	9/28/2022 4:27 AM
54	Power plants, port of Alaska.	9/28/2022 1:48 AM
55	Single roads outside of town. Port vulnerability, limited medical facilities	9/27/2022 10:47 PM
56	Water, gas, electric	9/27/2022 9:29 PM
57	Roads electric	9/27/2022 8:59 PM
58	Roads Gas Stores	9/27/2022 8:58 PM
59	Power/Gas/Water/Food/Damage to Shelter Communication for access to local information and access to Emergency services. unknown Public Community Plan for supports.	9/27/2022 8:45 PM
60	Hospital, roads, freight (trains) schools(which have been used in the past for housing during forest fires)	9/27/2022 8:35 PM
61	Fire, police, DOT	9/27/2022 7:48 PM
62	Fire and medical.	9/27/2022 7:47 PM
63	Ourselves and our neighbors	9/27/2022 7:18 PM
64	Utilities, roads, emergency services	9/27/2022 7:11 PM
65	Grocery stores and gas stations. Also, for the whole state, the port is an issue as well. It needs to be fixed other wise our groceries won't make it.	9/27/2022 6:17 PM
66	Electric gas water.	9/27/2022 6:02 PM
67	Roads, power lines and power plants, gas lines, telecomm systems, EMS, fire, police, coast guard. To name a few.	9/27/2022 5:51 PM
68	Fuel supplies, grocery stores	9/27/2022 5:39 PM
69	Port, harbor, main road system	9/27/2022 4:48 PM
70	I rely on the Glenn Highway to get to and from Anchorage, Palmer, Wasilla for medical, airport, family, shopping.	9/27/2022 4:04 PM
71	Passable roads to and from Fairbanks	9/27/2022 12:26 PM
72	water, sewer, roads, hospitals, etc.	9/18/2022 11:16 AM
73	The electric grid is most important and Water delivery would be a close second for me personally but medical facilities are also very important. I think a lot of people don't have enough emergency food and water for situations that last several days.	9/7/2022 4:24 PM
74	Fire department	8/21/2022 12:32 AM
75	Gas station. Grocery stores.	8/20/2022 6:33 PM
76	Stores	8/20/2022 5:55 PM
77	Water system, natural gas system, power syststem	8/17/2022 10:04 AM
78	MEA, electrical grid	8/8/2022 5:13 PM

## State of Alaska Hazard Mitigation Plan Questionnaire

79	Tsunami Warning Sieren, Evacuation Center, Airport Terminal & Runway, Water storage, Wastewater & Sewage Facility, Medical Clinic, Fuel Tanks, Harbor & Port, Housing	8/8/2022 12:07 PM
80	Hospital, medical clinics, cellular and landline phones, grocery stores, mail service.	8/8/2022 11:51 AM
81	Roads	8/6/2022 11:04 PM
82	Power. Natural gas. Gas/Fuel stations. Grocery. Livestock feed & farm supply. Equipment rental.	8/5/2022 12:30 AM
83	roads power and communications	8/4/2022 9:53 PM
84	Wells, roads, power plants	8/4/2022 6:52 PM
85	The Old Glenn Highway and bridges connecting my community to Palmer.	8/4/2022 10:47 AM
86	Highways and airstrips	8/4/2022 10:18 AM
87	APD, AFD, Utilities, Port, Airport, Road system.	8/4/2022 5:55 AM
88	Electric, gas, highway	8/4/2022 12:27 AM
89	Electric, natural gas, cell towers, fire response.	8/3/2022 9:35 PM
90	Electricity, Natural Gas, Roads and bridges	8/3/2022 5:51 PM
91	Post Office, Airport, School, and Community Center	8/3/2022 3:54 PM
92	Road maintenance, snow removal, emergency services	7/31/2022 12:08 AM
93	Electricity, natural gas, water table, roads, bridges, ambulance, adequate medical facilities, fire response, grocery stores, Gas stations, Adequate communication including landlines cell towers and Wi-Fi,	7/29/2022 1:10 PM
94	Valdez Native Tribe	7/29/2022 8:42 AM
95	Roads	7/29/2022 7:53 AM
96	MEA Power Plant, DOT Roads, Local hospital	7/28/2022 10:00 PM
97	Roads, schools, railroads, hospitals, airports, port facilities, grocery stores, utilities	7/28/2022 8:43 PM
98	Schools, utilities, roads	7/28/2022 11:19 AM
99	Utilities, emergency response, hospitals	7/27/2022 10:53 PM
100	Hospital, airport, bridge, fire and police departments, Hydro power from dams, piped utilities	7/27/2022 2:37 PM
101	Hospital, fuel farm, barge and air freight	7/27/2022 2:30 PM
102	Hospitals, schools, power plants	7/27/2022 1:31 PM
103	Electricity, natural gas, communication, propane, gas stations, roads, grocery stores, Menard's Sports Center, etc.	7/27/2022 1:03 PM
104	Bridges, stores, utilities	7/27/2022 8:01 AM

## Q5 Do you have any suggestions for projects to help mitigate impacts from natural hazards?

Answered: 78 Skipped: 26

#	RESPONSES	DATE
1	building code enforcement, more educational efforts on personal mitigation (e.g. securing water heaters properly for earthquakes, knowing where gas shutoff valves are), more promotion of training/education activities like The Great ShakeOut	3/10/2023 11:16 AM
2	Bury utility lines. Install automatic gas shut valves. Reinforce vulnerable roofs.	2/21/2023 3:23 PM
3	Reduce the amount of infrastructure built in flood plains and maintain infrastructure that is already built in flood plains, such as bridges and roads. Gravel is filling in under bridges and changes need to be made in the future to raise the level of bridges and remove gravel as it fills in under bridges. Larger box culverts or bridges need to be installed in areas where water moves over roads during high levels of rain to prevent flood damage to roads and to allow salmon to move through river systems. The Lowell Creek diversion tunnel is old and needs relocating to prevent damage to a road bridge at the end of the tunnel during flooding events.	2/7/2023 6:33 AM
4	unified public alert and warning campaigns (see the RSG! Program on info.kpb.us), water diversion structures in flood-prone areas, tsunami evacuation structures for inundation zones, regular IMT training and annual exercises, recovery and resiliency planning	2/6/2023 9:43 AM
5	Ask Eklutna Inc. to install a cell tower on Eagle River Road, offer evacuation drills for residents, increase Anchorage Fire Department wildfire training, reduce fuel loads and create fire breaks at key locations, encourage AFD to drive all roads quarterly to identify access/turn around issues.	1/30/2023 10:04 AM
6	We have a lot of old bridges that need replaced. We have a contaminated and abandoned building downtown called the "Polaris Building" that can't be torn down easily because it is made from so many hazardous materials that it has to be done in a costly and careful way.	1/26/2023 7:14 PM
7	A fully functioning SCERP.	1/25/2023 12:51 PM
8	Work with Land Planning and educate builders and relators of Earth Science and Engineering	1/23/2023 4:15 PM
9	100,000+ Alaska residents navigating the Richardson Hwy, almost all 2 lane, and prone to permafrost, weather, earthquakes, sub arctic conditions is a Scenic Byway and our only connection to the lower 48. It includes School buses, RV's Convoys, commercial vehicles bringing goods to the interior, teenage drivers, older drivers, motorcyclists, pedestrians, and much more, not to mention emergency vehicles. Putting Industrial Ore Haul trucks on the highway (2-4 an hour, 24 hrs, 365 days) that are 95', 16 axle, 85,000 lbs on the highway will kill people. Our Infrastructure cannot handle it. Our State Leadership should not be trading Alaska Resident's lives for a FREE INDUSTRIAL HAUL ROAD. It is immoral.	1/23/2023 10:15 AM
10	Long term, the electric grid should be more robust. MEA does as much as it can but as long as power comes through overhead wires, electricity may or may not be dependable.	1/20/2023 7:56 PM
11	Allow residents to remove downed trees to reduce fuel in anchorage bowl.	1/19/2023 7:56 PM
12	Allow for the excavation of gravels in the anadromous streams to ensure the pathways for the streams. Reinforce road sides and possibly raise roads to prevent additional flooding from tidal influence.	1/17/2023 2:37 PM
13	Improved wages for DOT to ensure a complete staff and operating equipment. Term contracts with private companies to boost road mazard mitigation	1/6/2023 4:00 PM
14	LiDAR assessments, rockslide excavation, create a landslide/ rockslide insurance program, establish multi agency partnerships, address accretion areas.	12/14/2022 10:14 AM
15	People should be more self-sufficient. Government should not mislead people by creating the impression that it has the power to control or prevent natural hazards.	11/29/2022 3:04 PM

## State of Alaska Hazard Mitigation Plan Questionnaire

16	<p>Borough staff and east Talkeetna residents prepared this list of suggestions for flooding mitigation in east Talkeetna: Talkeetna Flood Repair and Mitigation 1) Extend railroad bridge. Relieve water being impounded by railroad grade that has flooded East Talkeetna numerous times. (See Talkeetna Airport Improvements, Phase II, Commercial Apron Alternatives Study, Dec. 2003.) 2) Repair and raise the dike damaged by the flood to protect West Talkeetna. The dike needs to be designed to withstand the changing conditions caused by the east channel of the Susitna River as it migrates eastward toward the railroad bridge. 3) Place culverts under Second Street east of RR crossing to allow water to drain south through the Twister Creek wetlands. 4) Place culverts under airport ramp and taxi ways along west side of the State runway. The airport infrastructure and road leading to it has impounded water in East Talkeetna causing unnecessary flooding of homes. 5) Place culverts under the Talkeetna Spur Road east of the RR crossing to allow additional water to flow through the Twister Creek wetlands. 6) Make sure that the RR crossing of Twister Creek allows adequate drainage. 7) Raise Beaver Road to serve as a dike. (See Airport plan.) 8) Preserve natural drainage sloughs that wander through east and west Talkeetna. These are constantly being filled causing water to pool and not easily drain. 9) Enhance the natural drainage sloughs through east and west Talkeetna. Roads that cross these sloughs need adequately sized culverts, culverts placed at the appropriate elevation, culverts repaired and cleared of debris. Where these sloughs have been totally filled blocking drainage there needs to be drainage ditches created. Note that there are sewer and water pipes that run down some roads. This includes: West Talkeetna a - Larger culvert under Talkeetna Spur Road south of the Post Office b - Larger culvert under Second St. between the Spur Road and village airstrip c - Lager culvert under Third St. east of village airstrip. d - Drainage created north and east of the VFW to Veterans Way. e - Larger culvert under Veterans Way west of elementary school driveway. f - Drainage route enhanced and created south of Veterans Way to the river. g - Drainage ditch along D St. with ways to get water from slough to the east to the ditch. East Talkeetna a - Larger culvert and placed lower than the present culvert under F St. near the Catholic church b - Culvert placed under the northern drive into the Catholic church. c - Check all culverts that cross I St. and Easy Street to make sure they are placed correctly, are adequately sized and are not plugged with debris. 10) Protect community well from flood waters.</p>	11/14/2022 12:04 PM
17	<p>When we have affordable energy supply the other items can be more easily mitigated. Storing liquid fuel (diesel mostly) can be easily compromised in a natural disaster. Electrical storage is now becoming more viable for smaller communities</p>	11/12/2022 8:57 AM
18	<p>Riprap the Copper River's banks at the all the major bends in the populated areas, eg Copper Center.</p>	11/10/2022 12:07 PM
19	<p>Levee/Revetment, Bank Stabilization, Fire Breaks</p>	11/3/2022 8:48 PM
20	<p>Assess vulnerability of critical infrastructure to various hazards and identify and prioritize potential mitigation measures, develop a plan for implementation of priority mitigation measures over time.</p>	11/1/2022 11:25 AM
21	<p>Not building in flood zones- more greens space, residential building codes,</p>	10/20/2022 12:20 PM
22	<p>The Two Rivers community could benefit from mitigation projects such as: 1) Buried fuel tanks/heating oil tanks 2) Brush and forest clearing -30 feet+ from homes, forest "thinning" to reduce possible fuel 3) More challenging but useful - buried electric lines to homes 4) Individual household fire safety - fire knowledge/evacuation plans/smoke alarm installation (American Red Cross has this program yet would likely need funding support to administer to broader area) 5) Community education on Fire safety/wildland fire safety 6) Community Wilderness First Aid courses as response time to the community is over 45+ minutes. If the road is cut off due to fire (which happened in 2013 for a period of time) Community residents will need to provide basic medical care for 2-4 or 6 hours. This is somewhat mitigated by having BLM wildland fire and medics in the area.</p>	10/20/2022 8:28 AM
23	<p>better drainage so as to not erode roadways. Cell towers located away from residential communities to avoid falling hazards during a major earthquake.</p>	10/18/2022 11:45 PM
24	<p>DOT has amazing skills and resources to combat winter crises: yet we need shelters placed 3-5 miles apart along the roadway of Hwy-1 Nat'l Scenic ByWay: only for Emergency Uses, to save lives in snowbound or unsafe conditions. Especially due to lack of grocery, fuel, heating, security location availability for 40-50 miles to Palmer or 100+ to Glennallen, it would be proper for Glacier View to have the (above) Board list Emergency # and location map for Shelter as 1 life saved will forever be remembered as pre-planned safety; road flares, food, LP</p>	10/14/2022 1:09 PM

## State of Alaska Hazard Mitigation Plan Questionnaire

heater, cell or walkie-talkie, blankets inside ... kept up by local volunteers October - March. \*  
Cost far below Benefit ... \*

25	Mitigation plans should all be data-driven. How often and in what locations does each hazard occur? How many people would be affected? Do any have access or functional needs? How many are seniors? What is the probability of the hazard occurring? Is that probability increasing? What are some aggravating factors? Please make sure your hazard mitigation plans include remote sensing and geographic information systems analysis as approved mitigation approaches.	10/10/2022 7:59 PM
26	Hardin the Max Italio road, help fund a new ferry dock	10/10/2022 10:07 AM
27	Making the mitigation process easier.	10/7/2022 4:34 PM
28	I haven't gotten to forest fires yet. We haven't had a huge one since the 1980s, when we had the Wilson Camp Lightning Fire in Wrangell-St. Elias Park. However, that is just luck. Much of the area is black spruce forest. Black spruce live to burn. They reproduce by burning, throwing flaming "witches' brooms" into the air. The brooms drop on our dry foliage, setting it afire, but also dropping spruce seeds. This is a natural hazard, but difficult to address. If you want to ask me about pictures you'd like to use, rummage around the Country Journal, and write me at Linda.ncountry@gci.net or call 907 320-1145 I am sure I have other thoughts, but I'm working on a visitor guide right now..	10/7/2022 4:33 PM
29	Flood erosion projects	10/6/2022 7:08 AM
30	closer network with indigenous ways for heat/warmth during cold weather events;	10/4/2022 8:02 PM
31	Core of Engineering should be more involved with land development and their findings should be sharable via a public notice system.	10/1/2022 11:55 AM
32	Flooding and erosion prevention projects to minimize impacts for borough and state roads. Retrofit and design utility infrastructure against seismic and wildfire risks.	10/1/2022 11:05 AM
33	Allow beetle kill spruce harvest on Burrough and state land.	10/1/2022 6:59 AM
34	No suggestions but I would like to know if there is a plan in place for if the reinforced river bank were to give away and compromise the highway. It seems as if it has been holding but if something were to happen, we would be cut off from Palmer and the rest of the Valley which is only 15 minutes away.	9/30/2022 2:36 PM
35	Rebuild the road to Skitawk. The river routinely threatens to overflow its banks below the bridge (Willow Fishhook Road) Empower Electric Utilities Statewide to trim outside right-of-way trees that threaten electric lines. Enable the placement of large boulders to armor roads and support homeowners with properties threatened by rivers to do the same. Encourage avalanche class transmission structures in avalanche zones for utilities statewide. Enable and encourage timber harvesting and management to prevent the mass beetle kill zones from becoming the site of a subsequent massive fire. Upper Wasilla Fishhook Road has sections likely to be eaten by the next river path shift or significant flood waters; these sections should be identified and rebuilt to divert the river's path of damage away from those bluff banks. Subdivision Exit Routes are not as built as they need to be Upper Engstrom is a great example. If a fire were ever to strike this area, it would be very difficult to get everyone out quickly.	9/30/2022 2:18 PM
36	Upgrade roads to handle the population if need to evacuate. Only 1 road in and out of Anchorage.	9/30/2022 5:39 AM
37	For future housing and business development, don't clear cut. That's easier for building, but a buffer of trees reduces the impact and intensity of wind storms.	9/29/2022 11:55 PM
38	More street lights	9/28/2022 10:59 PM
39	Buy generator	9/28/2022 9:34 PM
40	A road out of town. It is unimaginable that 50% of all the humans in Alaska rely on a single road, with easily damaged bridges, as their only means of escape in the event of a major disaster. Another road and the Knik Arm Bridge must be built to ensure adequate egress routes.	9/28/2022 11:09 AM
41	Reevaluate when to call out the National Guard. Strengthen the power generation system. Clear power right always. Set up a impact to hazards mitigation fund for private and local	9/28/2022 9:16 AM

## State of Alaska Hazard Mitigation Plan Questionnaire

	emergency responders.	
42	Shore up the banks of the Matanuska where it is encroaching on the Old Glenn	9/28/2022 7:41 AM
43	Alternate route from Anchorage to Wasilla/Palmer.	9/28/2022 6:18 AM
44	Build storage facilities for fuel and food and store as much as possible.	9/27/2022 8:58 PM
45	Neighborhood cooperatives w/ localized and necessary information for emergencies - organized in sync w/ public services sites of service delivery - such as Fire/Emergency Service Stations throughout community. Master plans available at Public Library and throughPSA's/Mass Media/Schools	9/27/2022 8:45 PM
46	Home owner seminars / retreats on how to fortify /prepare for earthquake,,, all new commercial buildings have earthquake mandates in building codes,, I'm not promoting such for homes although some cross over education ,, incentives like tax credits for building smart, starting with foundations, the damage or risk to damage from an earthquake could be mitigated such like the incentives in place for solar panels	9/27/2022 8:35 PM
47	Remove Spruce kill, fix roads that are starting to slough, provide education on generator use, preventing frozen pipes, proper food storage	9/27/2022 7:48 PM
48	You can not control or mitigate a natural disaster. Impacts. You can only mitigate the risks associated with how you respond to a natural disaster.	9/27/2022 7:47 PM
49	Have a list of contractors that are willing and able to come help after a disaster.	9/27/2022 7:18 PM
50	Increased snow removal crews, allow river gravel dredging as it can assist keeping channels same year after year, increased easement clearing to remove more concerning trees before power failures, more community resources available to families to prepare for emergencies such as information on food storage, generator output and maintenance, safe secondary heating options.	9/27/2022 7:11 PM
51	Stabilize the port	9/27/2022 6:17 PM
52	We need to ramp infrastructure in the valley there's too many people and not enough room to move from point a to b quickly. By pass over pass 4 lanes in and out.	9/27/2022 6:02 PM
53	A dedicated avalanche/landslide monitoring and mitigation program should be implemented on the Old Glenn highway beneath Pioneer Peak before someone gets killed. My contact information is included below if the State or FEMA would like local assistance with geohazard mitigation.	9/27/2022 5:51 PM
54	None	9/27/2022 5:39 PM
55	Tsunami warning evacuation building (w/ parking) on the Homer Spit	9/27/2022 4:48 PM
56	More snow plows. DOT needs to do more to keep roads safe	9/27/2022 12:26 PM
57	Messaging about emergency preparedness and what should be in a kit and in a home plan (e.g. where should family members meet if there's a major earthquake) might help people plan better and make it through emergencies	9/7/2022 4:24 PM
58	Facebook page	8/20/2022 6:33 PM
59	Emergency preparedness	8/20/2022 5:55 PM
60	Upgrading the existing power lines by burying them underneath the ground. The less power poles that the company has to respond to as downed and hazardous will decrease.	8/8/2022 5:13 PM
61	Line susceptible river banks with rocks or other natural materials to protect from erosion. More information to the public regarding treatment of natural resources, ie forested area, creeks, rivers, bluffs, etc.	8/8/2022 11:51 AM
62	Reduce the reliance on outside supply chain. Increase local agriculture. Provide grants for large scale, year-round, indoor, food crop production.	8/5/2022 12:30 AM
63	food security	8/4/2022 9:53 PM
64	Dredge the Matanuska River to maintain the watercourse away from populated areas and build the bridges to be earthquake proof.	8/4/2022 10:47 AM

## State of Alaska Hazard Mitigation Plan Questionnaire

65	Build another road connecting the Mat-Su valley and Anchorage.	8/4/2022 10:18 AM
66	I am concerned about only having the two roads out of Anchorage. I do feel if there were a major disaster where the town needed to evacuate, many people would not make it. Right after the 2018 quake, the road system out of town quickly became overwhelmed.	8/4/2022 5:55 AM
67	Build an alternate route between Anchorage and the Valley (not the Knik Bridge through Government Hill)	8/4/2022 12:27 AM
68	No real way to mitigate against earthquakes or severe windstorms, but it would sure be helpful if the feds would provide earthquake insurance like they do for floods since homeowners does not cover it!!	8/3/2022 9:35 PM
69	More modes of transportation, ie, passenger and commercial rail	8/3/2022 5:51 PM
70	Communication infrastructure, Community Base outreach for each property I the community.	8/3/2022 3:54 PM
71	Restructure state tax to ensure forward funding for all services; listen to scientists with regards to climate change; alternate routes from Mat Su to Anchorage	7/31/2022 12:08 AM
72	Spend more money on risk analysis and have local communities take a more proactive stance on addressing hazards	7/28/2022 10:00 PM
73	Continue to upgrade port facilities around that state, move vulnerable communities to higher elevations, come up with a way to mitigate homelessness to prevent fires, provide villages with pre-fab houses or make them more accessible, invest in public education/training tools for people to understand the importance of preparing their homes for a natural disaster, ensure buildings are up to safety codes, have a standard alert system within city limits and an option for people outside of city limits (radio station?), move homes/buildings near erosion sites.	7/28/2022 8:43 PM
74	Allow clearing of dead wood on state lands in anchorage to reduce fire danger	7/27/2022 10:53 PM
75	Underground electrical distribution with elevated transformer station	7/27/2022 2:37 PM
76	Leave bethel	7/27/2022 2:30 PM
77	Make community relocation accessible. Make mitigation accessible.	7/27/2022 1:31 PM
78	Continue emergency preparedness education for general public at all public events. Knowing what radio station(s) to tune into for emergency information would be advantageous also. How to contact Red Cross, Salvation Army and other non-profit entities that assist in emergencies. How to assist in an emergency if one is able.	7/27/2022 1:03 PM



Q6 If you have any images of your community that you would like to share, upload them here. (Please add your contact information below to get credit for your image if it is used in the Plan)

Answered: 8 Skipped: 96

#	FILE NAME	FILE SIZE	DATE
1	KPB%20IMT%20Seward%20Bear%20Creek%202019%20Flood%20Even t.jpg	3.5MB	2/6/2023 9:43 AM
2	59052496-7306-4A1E-9B05-19D32C6242AA.jpeg	3.3MB	12/14/2022 10:13 AM
3	2012%20MSB%20Scope%20of%20Work%20- %20Talkeetna%20Flood%20Repair%20%26%20Mitigation.pdf	49.2KB	11/14/2022 12:04 PM
4	Frosty%2020220323.JPG	552.9KB	10/4/2022 8:02 PM
5	998B60D4-47EC-46D6-8993-793B24973749.jpeg	6.4MB	10/1/2022 11:05 AM
6	33ADCE2B-45EC-40A7-A685-6B0FF52B31AC.jpeg	137.9KB	9/28/2022 9:15 AM
7	FB9B3126-1B93-452D-A967-AF09932AF7F4.jpeg	153.6KB	9/27/2022 7:46 PM
8	915F67CF-0C09-486F-8D73-95F9D9242C0D.jpeg	1.9MB	9/27/2022 7:17 PM

## Q7 About you (not required)

Answered: 49 Skipped: 55

ANSWER CHOICES	RESPONSES	
Name	100.00%	49
Company	0.00%	0
Address	0.00%	0
Address 2	0.00%	0
City/Town	0.00%	0
State/Province	0.00%	0
ZIP/Postal Code	0.00%	0
Country	0.00%	0
Email Address	100.00%	49
Phone Number	91.84%	45

#	NAME	DATE
1	Kasey Aderhold	3/10/2023 11:16 AM
2	Scott G Nelsen	2/21/2023 3:23 PM
3	Brenda Ahlberg	2/6/2023 9:43 AM
4	Julie Jessen	1/30/2023 10:04 AM
5	Samuel Cunard	1/25/2023 12:51 PM
6	Dixie Banner	1/23/2023 4:15 PM
7	Susan Wilken	1/23/2023 10:15 AM
8	micahel mortensen	1/21/2023 11:34 AM
9	TROY HENLEY	1/20/2023 7:56 PM
10	David G Conrad	1/17/2023 2:37 PM
11	Kaitlyn Jared	12/14/2022 10:14 AM
12	Pam Young	11/14/2022 12:04 PM
13	Gordon Smith	11/12/2022 8:57 AM
14	Mark J	11/10/2022 12:07 PM
15	Patty Burns	11/1/2022 11:25 AM
16	Chris Babcock	10/23/2022 8:30 AM
17	Michelle LaRose	10/18/2022 11:45 PM
18	todd schmidt	10/14/2022 1:09 PM
19	Jon Erickson	10/10/2022 10:07 AM
20	Linda Weld	10/7/2022 4:33 PM

## State of Alaska Hazard Mitigation Plan Questionnaire

21	M Knighten	10/6/2022 7:08 AM
22	Daryl Schaffer	10/4/2022 8:02 PM
23	Ryan Honea	10/1/2022 11:05 AM
24	Matt Benoit	10/1/2022 6:59 AM
25	John Royce	9/30/2022 2:18 PM
26	Bryan Geary	9/30/2022 9:20 AM
27	SHARON JOHNSON	9/30/2022 5:39 AM
28	Steven Montgomery	9/28/2022 9:34 PM
29	Scott Brown	9/28/2022 11:09 AM
30	Robert Grove	9/28/2022 9:16 AM
31	Robert Tindall	9/28/2022 6:18 AM
32	Ann Marie Garritano	9/28/2022 4:27 AM
33	Kelly Isham	9/28/2022 1:48 AM
34	TROY HENLEY	9/27/2022 8:58 PM
35	Su Kay	9/27/2022 8:35 PM
36	Larry Hawkins	9/27/2022 7:47 PM
37	Tia Marin	9/27/2022 7:18 PM
38	Cody Pink	9/27/2022 5:51 PM
39	Cathy Eckart	9/27/2022 4:04 PM
40	Ronnie Rosenberg	9/27/2022 12:26 PM
41	Shyanna Rae Mulholland	8/20/2022 6:33 PM
42	Quinn jensen	8/20/2022 5:55 PM
43	Kaysea Grove	8/8/2022 5:13 PM
44	LC Lyn Carden	8/8/2022 12:07 PM
45	Conrad	8/3/2022 5:51 PM
46	Harry Kuhn	8/3/2022 3:54 PM
47	Warren Beem	7/29/2022 8:42 AM
48	Greg	7/27/2022 2:37 PM
49	Patrick O'Brien	7/27/2022 2:30 PM

#	COMPANY	DATE
---	---------	------

There are no responses.

#	ADDRESS	DATE
---	---------	------

There are no responses.

#	ADDRESS 2	DATE
---	-----------	------

There are no responses.

#	CITY/TOWN	DATE
---	-----------	------

There are no responses.

#	STATE/PROVINCE	DATE
---	----------------	------

There are no responses.

## State of Alaska Hazard Mitigation Plan Questionnaire

#	ZIP/POSTAL CODE	DATE
	There are no responses.	
#	COUNTRY	DATE
	There are no responses.	
#	EMAIL ADDRESS	DATE
1	kasey.aderhold@gmail.com	3/10/2023 11:16 AM
2	scottnelsen248@gmail.com	2/21/2023 3:23 PM
3	bahlberg@kpb.us	2/6/2023 9:43 AM
4	juliekjessen@gmail.com	1/30/2023 10:04 AM
5	scunard@tikigaq.com	1/25/2023 12:51 PM
6	ddbanner1@gmail.com	1/23/2023 4:15 PM
7	aksusie@me.com	1/23/2023 10:15 AM
8	apex_tundras_0o@icloud.com	1/21/2023 11:34 AM
9	troychenley@yahoo.com	1/20/2023 7:56 PM
10	dconrad@kodiakak.us	1/17/2023 2:37 PM
11	k_surdyk@yahoo.com	12/14/2022 10:14 AM
12	pamyoun2@mac.com	11/14/2022 12:04 PM
13	406gman48@gmail.com	11/12/2022 8:57 AM
14	akamarkos@yahoo.com	11/10/2022 12:07 PM
15	pattyburns@live.com	11/1/2022 11:25 AM
16	kingcovedps@gmail.com	10/23/2022 8:30 AM
17	michla01234@gmail.com	10/18/2022 11:45 PM
18	glaciertodd@gmail.com	10/14/2022 1:09 PM
19	manager@yakutatak.us	10/10/2022 10:07 AM
20	linda.ncountry@gci.net	10/7/2022 4:33 PM
21	starrmercy@yahoo.com	10/6/2022 7:08 AM
22	dschaffer2@alaska.edu	10/4/2022 8:02 PM
23	rhonea86@gmail.com	10/1/2022 11:05 AM
24	mattbenoit907@gmail.com	10/1/2022 6:59 AM
25	jsroyce@mtaonline.net	9/30/2022 2:18 PM
26	bryangearry@gmail.com	9/30/2022 9:20 AM
27	mans4@gci.net	9/30/2022 5:39 AM
28	steve.mongtomery.mvs@yahoo.com	9/28/2022 9:34 PM
29	scottnotyet@yahoo.com	9/28/2022 11:09 AM
30	robertakgrove@gmail.com	9/28/2022 9:16 AM
31	robert.tindall@nym.hush.com	9/28/2022 6:18 AM
32	dmfamg@gmail.com	9/28/2022 4:27 AM
33	kisham728@gmail.com	9/28/2022 1:48 AM

## State of Alaska Hazard Mitigation Plan Questionnaire

34	troychenley@yahoo.com	9/27/2022 8:58 PM
35	bosscags@yahoo.com	9/27/2022 8:35 PM
36	alaskhawk@aol.com	9/27/2022 7:47 PM
37	tiamarin@rocketmail.com	9/27/2022 7:18 PM
38	cody@pitonexploration.com	9/27/2022 5:51 PM
39	bonbini3@hotmail.com	9/27/2022 4:04 PM
40	rdrosenberg@att.net	9/27/2022 12:26 PM
41	shymulholland@gmail.com	8/20/2022 6:33 PM
42	quinnjensen05@gmail.com	8/20/2022 5:55 PM
43	kaysea_123@hotmail.com	8/8/2022 5:13 PM
44	deputycitymanager@adak-ak.gov	8/8/2022 12:07 PM
45	c.comradsmith@gmail.com	8/3/2022 5:51 PM
46	lakesidealaska@gmail.com	8/3/2022 3:54 PM
47	warren.b@valdeznavitribe.org	7/29/2022 8:42 AM
48	gmcint@searhc.org	7/27/2022 2:37 PM
49	patobrien84@gmail.com	7/27/2022 2:30 PM
<b>#</b>	<b>PHONE NUMBER</b>	<b>DATE</b>
1	9073439915	2/21/2023 3:23 PM
2	907-262-2098	2/6/2023 9:43 AM
3	907-306-2331	1/30/2023 10:04 AM
4	19075385610	1/25/2023 12:51 PM
5	9072506321	1/23/2023 4:15 PM
6	9073883422	1/23/2023 10:15 AM
7	907229680	1/21/2023 11:34 AM
8	19073986534	1/20/2023 7:56 PM
9	9076542782	1/17/2023 2:37 PM
10	2088161597	12/14/2022 10:14 AM
11	510.725.2228	11/14/2022 12:04 PM
12	4062534778	11/12/2022 8:57 AM
13	9078224155	11/10/2022 12:07 PM
14	9078883060	11/1/2022 11:25 AM
15	9074972210	10/23/2022 8:30 AM
16	907-242-0808	10/18/2022 11:45 PM
17	907-982-3083	10/14/2022 1:09 PM
18	9077843324	10/10/2022 10:07 AM
19	907 320-1145	10/7/2022 4:33 PM
20	9078223476	10/6/2022 7:08 AM
21	907-231-6496	10/4/2022 8:02 PM

## State of Alaska Hazard Mitigation Plan Questionnaire

22	6232587873	10/1/2022 11:05 AM
23	9078410911	10/1/2022 6:59 AM
24	9072272326	9/30/2022 2:18 PM
25	907-232-2614	9/30/2022 9:20 AM
26	9073154376	9/30/2022 5:39 AM
27	9073552234	9/28/2022 11:09 AM
28	907-3889885	9/28/2022 9:16 AM
29	9073317880	9/28/2022 6:18 AM
30	3135950958	9/28/2022 4:27 AM
31	9077403637	9/28/2022 1:48 AM
32	19073986534	9/27/2022 8:58 PM
33	9072273846	9/27/2022 7:47 PM
34	4802448412	9/27/2022 7:18 PM
35	9077955126	9/27/2022 5:51 PM
36	775-220-6314	9/27/2022 4:04 PM
37	9074889072	9/27/2022 12:26 PM
38	19076318770	8/20/2022 6:33 PM
39	9072901999	8/20/2022 5:55 PM
40	9074414654	8/8/2022 5:13 PM
41	9077076284	8/3/2022 5:51 PM
42	9073152378	8/3/2022 3:54 PM
43	9078354951	7/29/2022 8:42 AM
44	9072024516	7/27/2022 2:37 PM
45	9075451866	7/27/2022 2:30 PM

State of Alaska 2023 Hazard Mitigation Plan Update  
Survey #2

Survey Response Summary

Total # of Responses: 34

## Q1 Please provide your location

Answered: 34 Skipped: 0

#	RESPONSES	DATE
1	Anchorage	7/11/2023 6:18 PM
2	Anchorage	7/7/2023 8:21 AM
3	juneau	7/6/2023 9:44 AM
4	Anchorage	6/29/2023 12:13 PM
5	Anchorage	6/13/2023 3:55 PM
6	Anchorage	6/13/2023 3:33 PM
7	Richardson Highway mile post 45	6/8/2023 7:06 AM
8	Anchorage	6/6/2023 9:26 PM
9	Sitka	5/31/2023 10:14 AM
10	Wasilla	5/28/2023 7:46 AM
11	Eagle River	5/27/2023 1:45 PM
12	Glennallen	5/27/2023 1:04 PM
13	Nenana	5/27/2023 12:41 AM
14	Haines, Ak	5/26/2023 8:55 PM
15	Haines	5/26/2023 8:55 PM
16	Haines	5/26/2023 8:03 PM
17	Copper Center, Alaska	5/26/2023 5:56 PM
18	Homer	5/3/2023 10:37 AM
19	Seldovia	5/1/2023 7:14 PM
20	Eagle River	5/1/2023 11:22 AM
21	Meadow lakes/Big Lake	4/29/2023 7:05 AM
22	Fairbanks	4/28/2023 5:36 PM
23	Wasilla	4/28/2023 9:45 AM
24	Chugiak, Ak	4/27/2023 8:32 PM
25	Fairbanks, AK	4/27/2023 4:30 PM
26	Barrow	4/27/2023 4:07 PM
27	Anchorage	4/26/2023 3:51 AM
28	Wasilla	4/25/2023 4:12 PM
29	Houston	4/25/2023 3:00 PM
30	Fairbanks	4/25/2023 2:20 PM
31	Big lake	4/25/2023 1:48 PM
32	Valdez	4/25/2023 1:27 PM
33	Wasilla, AK	4/24/2023 3:21 PM



State of Alaska Hazard Mitigation Plan Questionnaire #2

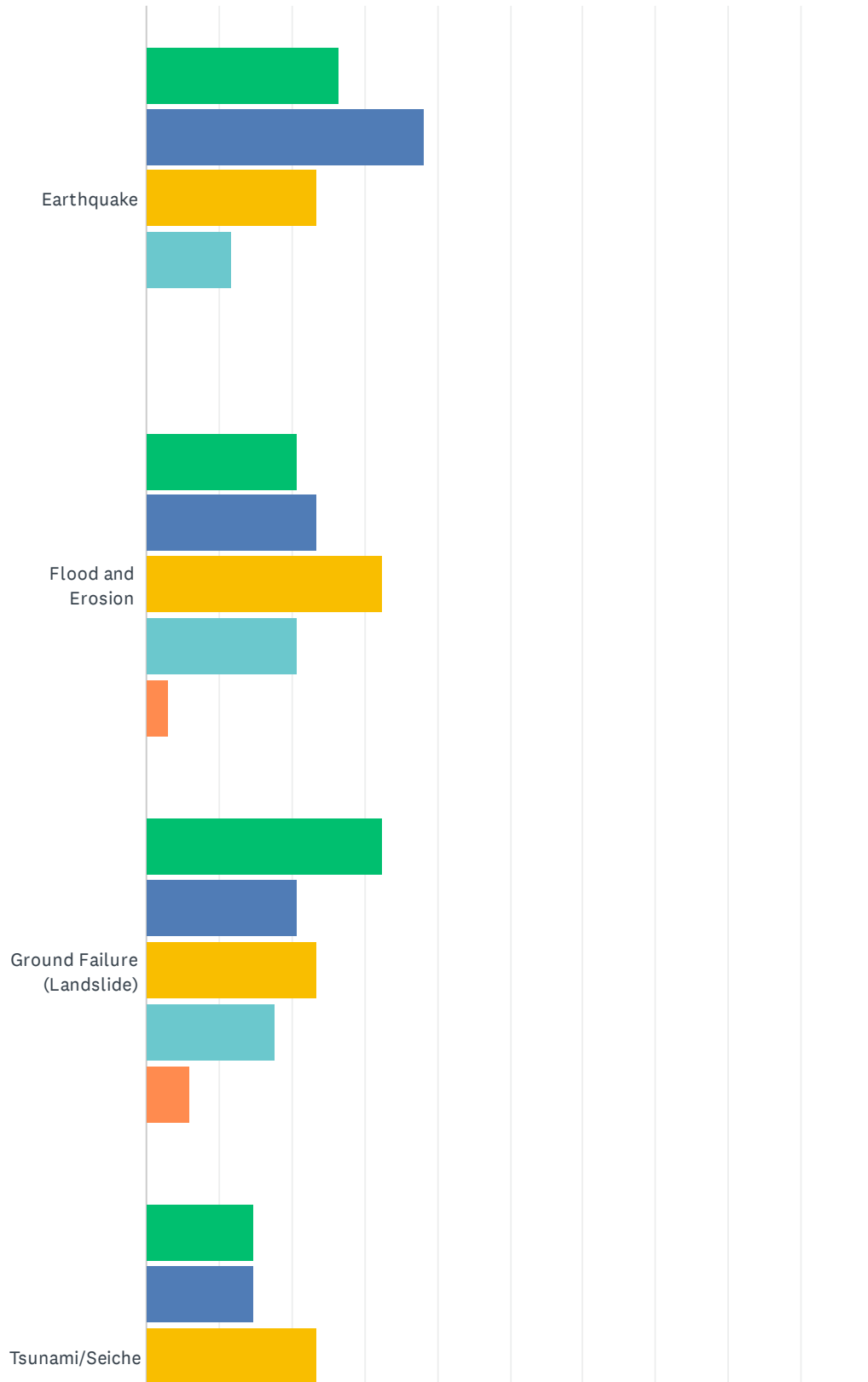
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34	Fairbanks	4/2/2023 8:40 AM
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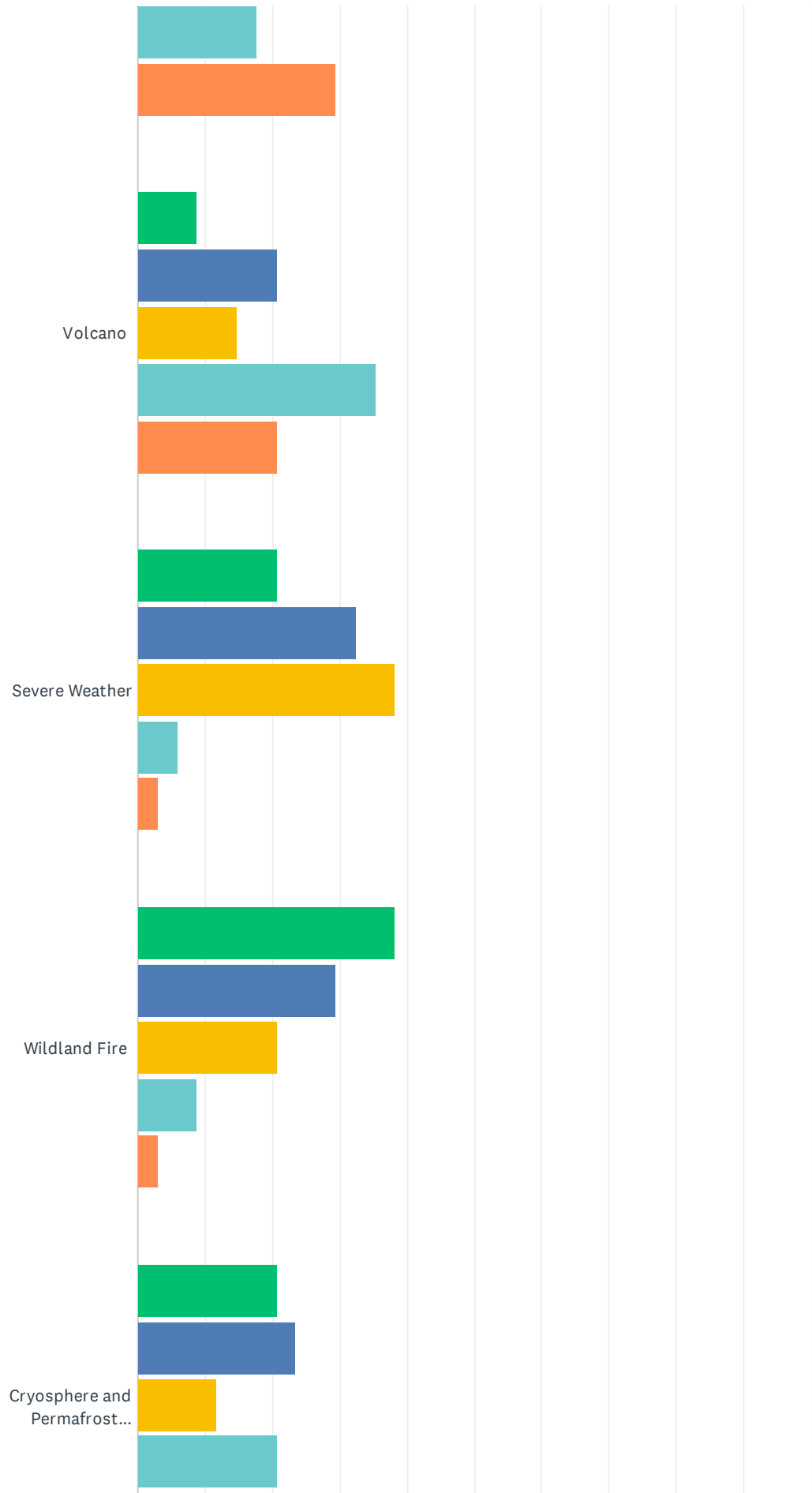
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## Q2 What is your level of concern for the hazards that impact your community?

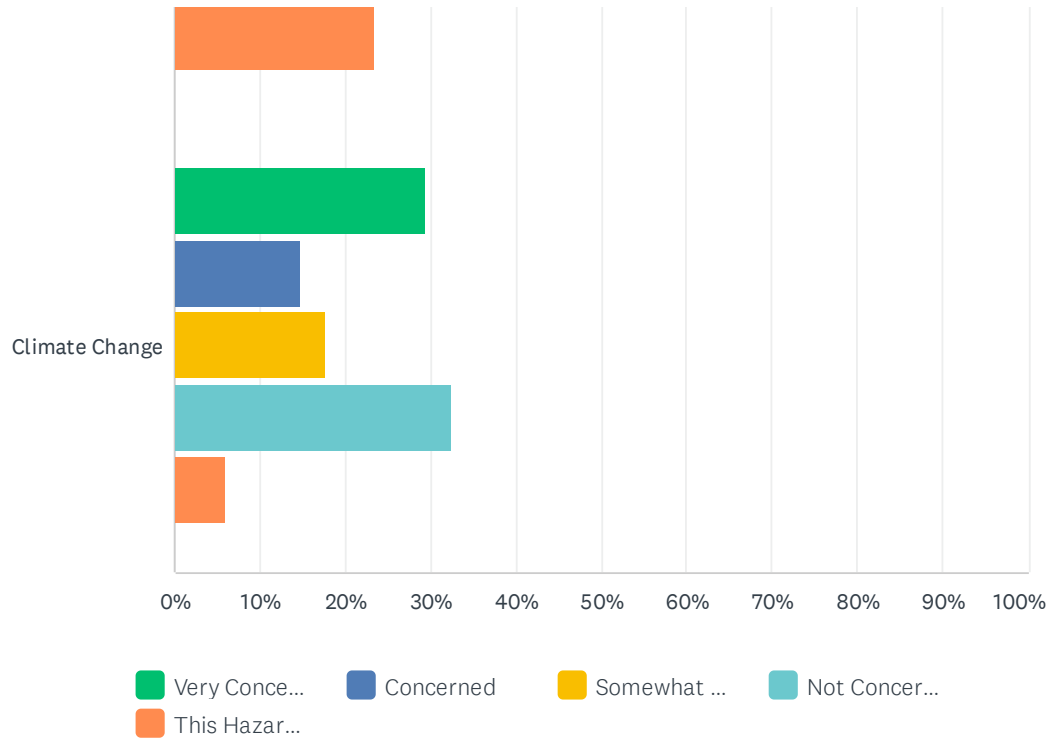
Answered: 34 Skipped: 0



# State of Alaska Hazard Mitigation Plan Questionnaire #2



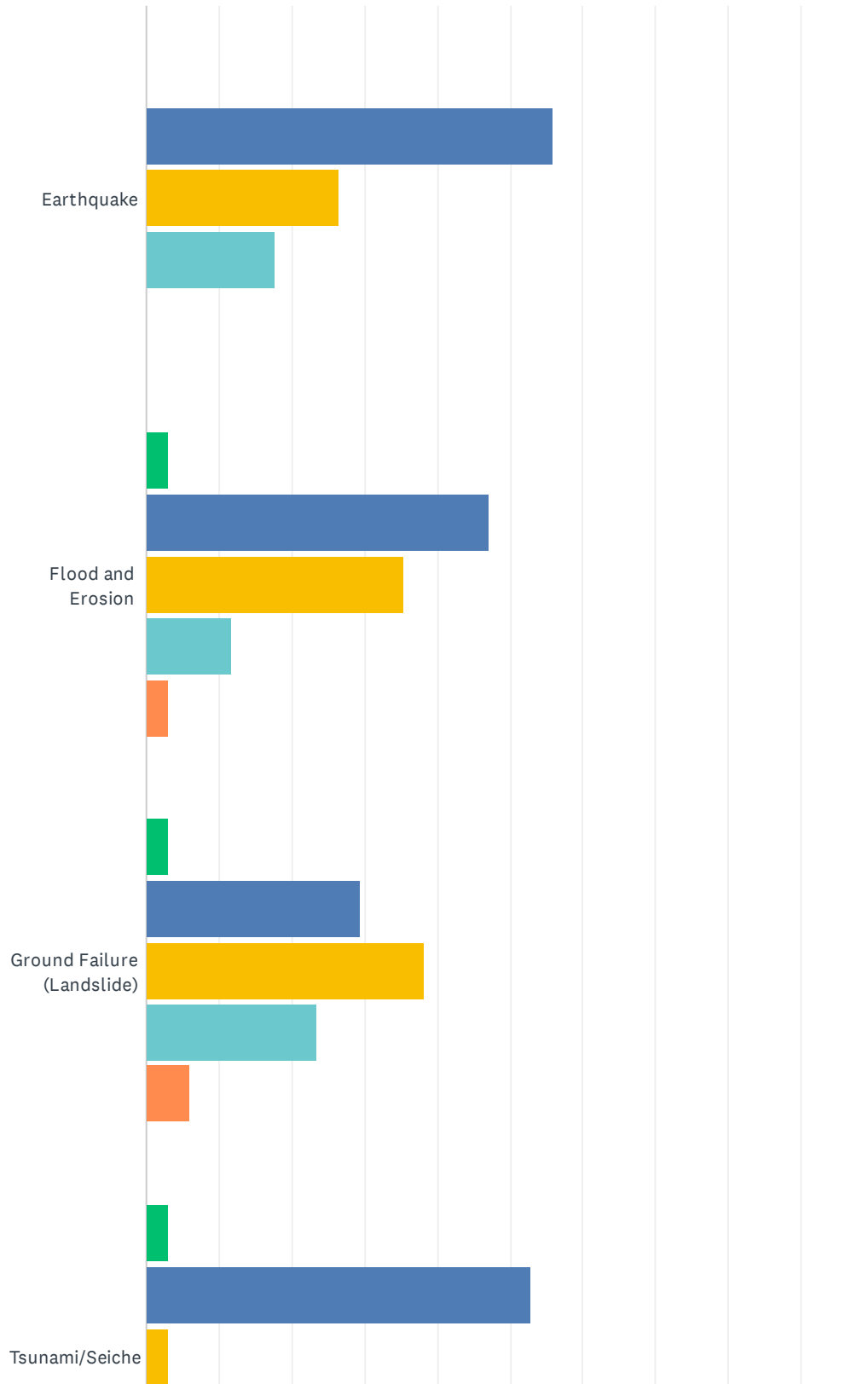
## State of Alaska Hazard Mitigation Plan Questionnaire #2



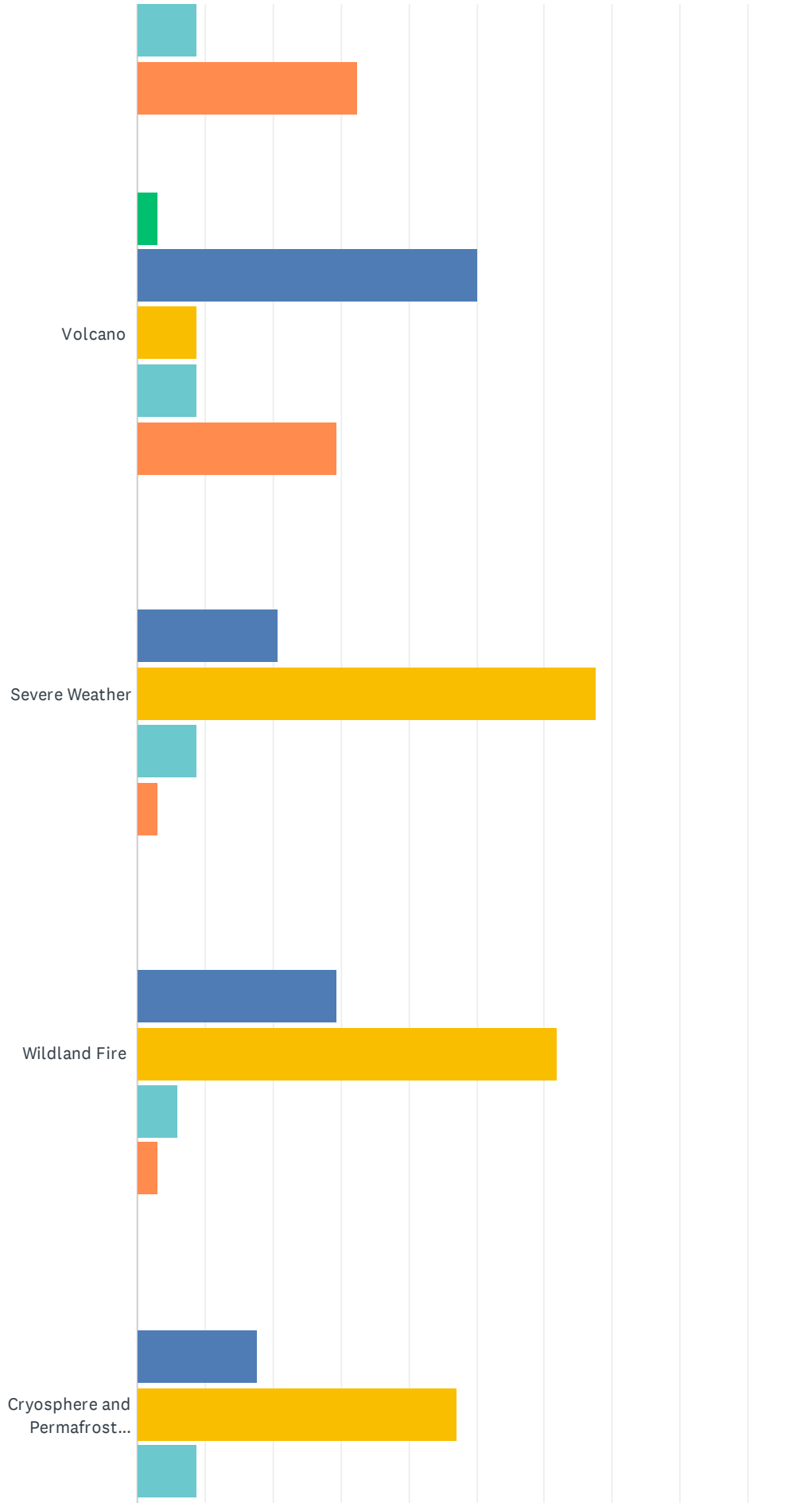
	VERY CONCERNED	CONCERNED	SOMEWHAT CONCERNED	NOT CONCERNED	THIS HAZARD DOES NOT IMPACT MY COMMUNITY	TOTAL	WEIGHTED AVERAGE
Earthquake	26.47% 9	38.24% 13	23.53% 8	11.76% 4	0.00% 0	34	2.21
Flood and Erosion	20.59% 7	23.53% 8	32.35% 11	20.59% 7	2.94% 1	34	2.55
Ground Failure (Landslide)	32.35% 11	20.59% 7	23.53% 8	17.65% 6	5.88% 2	34	2.28
Tsunami/Seiche	14.71% 5	14.71% 5	23.53% 8	17.65% 6	29.41% 10	34	2.63
Volcano	8.82% 3	20.59% 7	14.71% 5	35.29% 12	20.59% 7	34	2.96
Severe Weather	20.59% 7	32.35% 11	38.24% 13	5.88% 2	2.94% 1	34	2.30
Wildland Fire	38.24% 13	29.41% 10	20.59% 7	8.82% 3	2.94% 1	34	2.00
Cryosphere and Permafrost Degradation	20.59% 7	23.53% 8	11.76% 4	20.59% 7	23.53% 8	34	2.42
Climate Change	29.41% 10	14.71% 5	17.65% 6	32.35% 11	5.88% 2	34	2.56

### Q3 Over the last 10 years, have you noticed a decrease or increase in the occurrences or intensity of any of the following hazards?

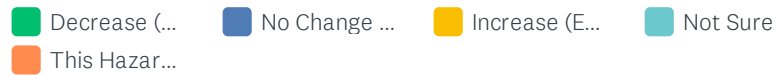
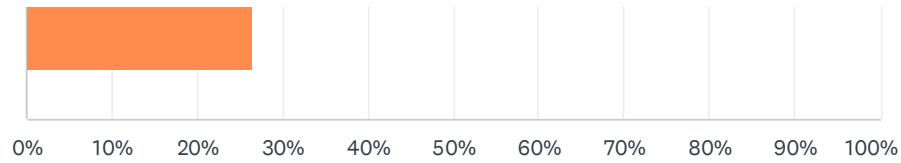
Answered: 34 Skipped: 0



# State of Alaska Hazard Mitigation Plan Questionnaire #2



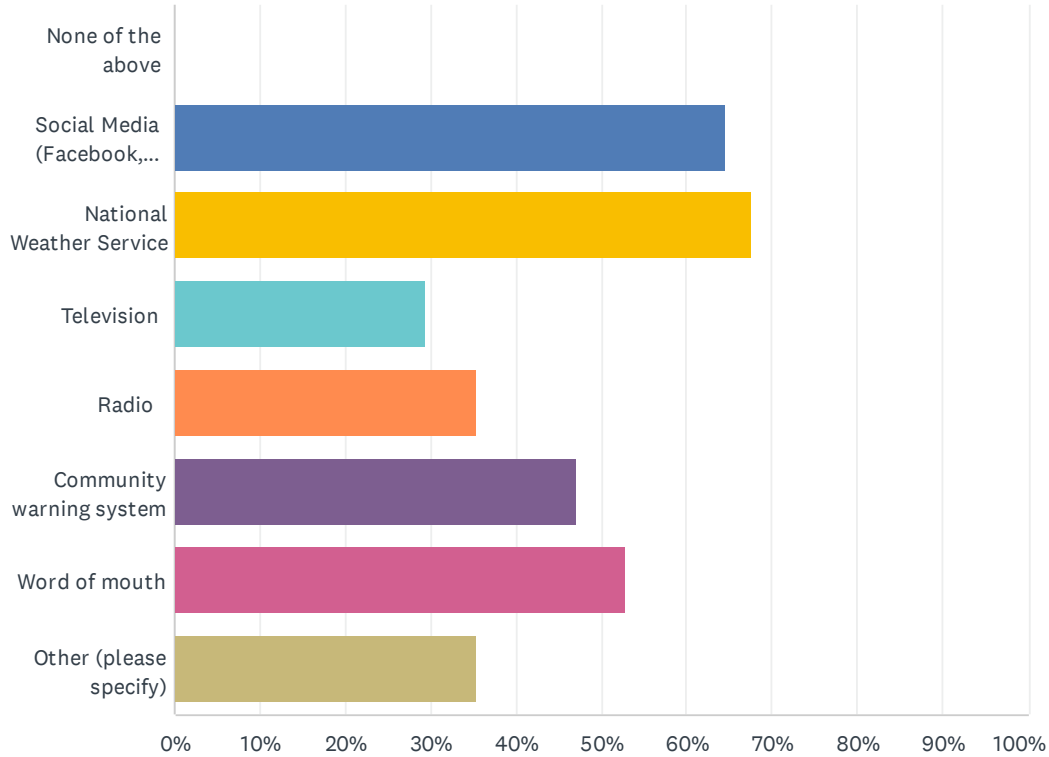
## State of Alaska Hazard Mitigation Plan Questionnaire #2



	DECREASE (EVENTS ARE LESS COMMON NOW)	NO CHANGE (EVENTS OCCUR ABOUT THE SAME AS THEY DID 10 YEARS AGO)	INCREASE (EVENTS ARE MORE COMMON NOW)	NOT SURE	THIS HAZARD DOES NOT IMPACT MY COMMUNITY	TOTAL	WEIGHTED AVERAGE
Earthquake	0.00% 0	55.88% 19	26.47% 9	17.65% 6	0.00% 0	34	2.62
Flood and Erosion	2.94% 1	47.06% 16	35.29% 12	11.76% 4	2.94% 1	34	2.58
Ground Failure (Landslide)	2.94% 1	29.41% 10	38.24% 13	23.53% 8	5.88% 2	34	2.88
Tsunami/Seiche	2.94% 1	52.94% 18	2.94% 1	8.82% 3	32.35% 11	34	2.26
Volcano	2.94% 1	50.00% 17	8.82% 3	8.82% 3	29.41% 10	34	2.33
Severe Weather	0.00% 0	20.59% 7	67.65% 23	8.82% 3	2.94% 1	34	2.88
Wildland Fire	0.00% 0	29.41% 10	61.76% 21	5.88% 2	2.94% 1	34	2.76
Cryosphere and Permafrost Degradation	0.00% 0	17.65% 6	47.06% 16	8.82% 3	26.47% 9	34	2.88

### Q4 How do you receive warnings regarding hazard events? Please check all that apply.

Answered: 34 Skipped: 0

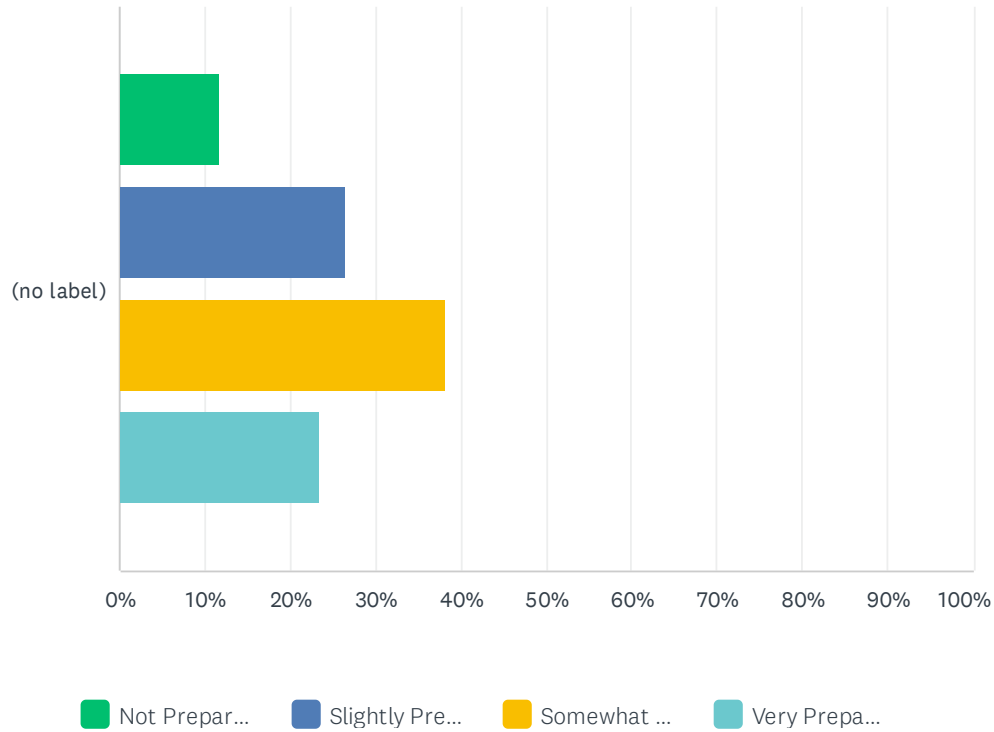


ANSWER CHOICES	RESPONSES	
None of the above	0.00%	0
Social Media (Facebook, Twitter, etc.)	64.71%	22
National Weather Service	67.65%	23
Television	29.41%	10
Radio	35.29%	12
Community warning system	47.06%	16
Word of mouth	52.94%	18
Other (please specify)	35.29%	12
Total Respondents: 34		



### Q5 How prepared do you feel your household is for impacts of natural hazard events likely to occur in your community?

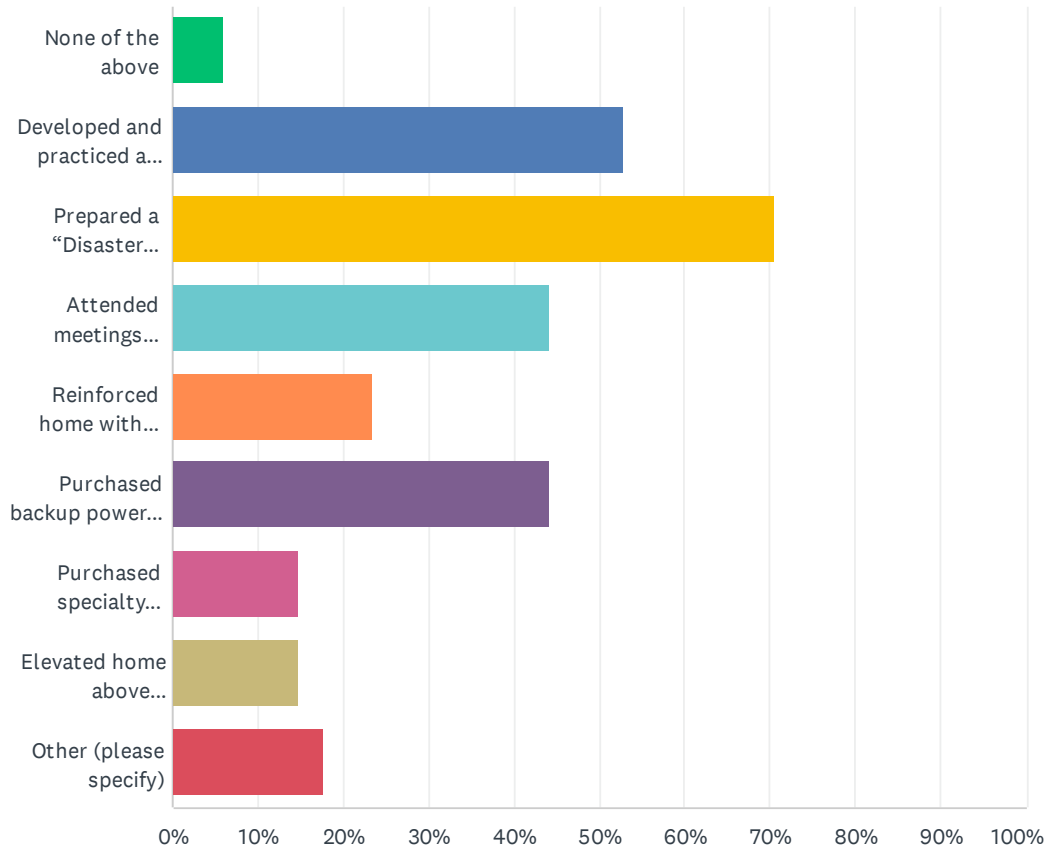
Answered: 34 Skipped: 0



	NOT PREPARED	SLIGHTLY PREPARED	SOMEWHAT PREPARED	VERY PREPARED	TOTAL	WEIGHTED AVERAGE
(no label)	11.76% 4	26.47% 9	38.24% 13	23.53% 8	34	2.74

## Q6 What actions have you taken to prepare you and your household for future hazard events?

Answered: 34 Skipped: 0



ANSWER CHOICES	RESPONSES	
None of the above	5.88%	2
Developed and practiced a "Household/Family Emergency Plan" in order to decide what everyone would do in the event of a household emergency	52.94%	18
Prepared a "Disaster Supply Kit" (stored extra food, water, batteries, or other emergency supplies)	70.59%	24
Attended meetings discussing disaster preparedness	44.12%	15
Reinforced home with disaster-resistant materials (ex: installed non-structural seismic restraints for large furniture, secured roofing, etc.)	23.53%	8
Purchased backup power supply (generator, solar panels, etc.)	44.12%	15
Purchased specialty insurance (flood, earthquake, etc.)	14.71%	5
Elevated home above floodplain	14.71%	5
Other (please specify)	17.65%	6
Total Respondents: 34		

## Q7 Is there any information the State of Alaska can provide to you to help you better prepare for disasters occurring in your area?

Answered: 17 Skipped: 17

#	RESPONSES	DATE
1	Not that I know of.	6/29/2023 12:13 PM
2	I don't know.	6/13/2023 3:55 PM
3	I know Sitka has no issues with forest fires to date - but after one extremely dry summer about 5 years ago - the understory and extremely dry layer of needles/branches on ground in forest and back yard reminded me of summers in Montana where forest fires we're prevalent. Very scary time for me until rains started.	5/31/2023 10:14 AM
4	I'm disabled, a senior, home bound, fixed income, a list of resources and suggestions for preparation.	5/28/2023 7:46 AM
5	More detailed information about home reinforcement.	5/27/2023 1:45 PM
6	Updated information on hydrology of the area.	5/27/2023 1:04 PM
7	Better use of social media as comms, make vids of your old info sheets and brochures, meet and greets at community gatherings for direct questions, explain in layman's terms to the public about the local level response and where you fit in that for us.	5/27/2023 12:41 AM
8	Advocacy for amendments to the Stafford Act that make federally declared IA disasters accessible to communities with small populations.	5/26/2023 8:03 PM
9	Mapping out unstable slopes, especially in coastal areas with risk to tsunamis. Create warning systems for such tsunami hazards that adds to the existing tsunami warning system.	5/3/2023 10:37 AM
10	A map of areas where there are higher landslide hazards would be very helpful.	5/1/2023 7:14 PM
11	What state parks and division of forestry are doing to reduce fire loads in wildland/urban interface areas	5/1/2023 11:22 AM
12	Any information would be helpful	4/28/2023 5:36 PM
13	People to be on the ground for these surveys and also to have people available in light of an incident so that we are not left without funding. During Murbok people in the YK area couldn't do the FEMA applications because they were only available online... in a region that had it's utilities knocked out and where there is only 1 service provider, which is not always in working condition or people cannot afford to have such a "basic" amenity.	4/27/2023 4:07 PM
14	No	4/25/2023 3:00 PM
15	No	4/25/2023 2:20 PM
16	The state should take some of that CDBG-DR funding allocated to Individual preparedness grants for homeowners especially around power systems, and food security..	4/24/2023 3:21 PM
17	More consistency in messaging and preparedness vice overly specific preparedness for one disaster differs from another disaster.	4/2/2023 8:40 AM

## Q8 What are some recent development projects that have occurred in your community since 2018? (mitigation projects, new or upgraded infrastructure, new roads, etc.)

Answered: 34 Skipped: 0

#	RESPONSES	DATE
1	Upgraded transmission, new roads	7/11/2023 6:18 PM
2	New roads	7/7/2023 8:21 AM
3	new drainage systems, culverts, avalanche monitoring drone programs. Avalanche Mitigation Drone Programs.	7/6/2023 9:44 AM
4	Road improvements, power distribution improvements	6/29/2023 12:13 PM
5	I don't know.	6/13/2023 3:55 PM
6	na	6/13/2023 3:33 PM
7	None- DOT mitigates avalanche danger when necessary	6/8/2023 7:06 AM
8	Road construction, ALWAYS. But I think it's just work on the same roads, repairing damage and resurfacing them. Plus the bridge at International Rd was rebuilt after the 2018 earthquake.	6/6/2023 9:26 PM
9	New monitoring and warnings for landslides.	5/31/2023 10:14 AM
10	Use of Menard Center for homeless during covid, bulk water supply for community, use of state fair grounds during covid,	5/28/2023 7:46 AM
11	Upgraded infrastructure	5/27/2023 1:45 PM
12	Fish passage culvert replacements; community wildland fire protection planning	5/27/2023 1:04 PM
13	Bridge at 10th st over the Nenana river, biogas plant.	5/27/2023 12:41 AM
14	I live on Piedad rd in Haines after the winter disaster ( I lost my daughter in the landslide) . Our road which is a state road is one of the worst in town. It needs to be fixed!	5/26/2023 8:55 PM
15	Improved roads, airport, docks, landslide and erosion repairs and mitigation,	5/26/2023 8:55 PM
16	Repaired roads, culvert replacement, dock infrastructure.	5/26/2023 8:03 PM
17	Flooding	5/26/2023 5:56 PM
18	DGGS has developed an unstable slope and landslide risk map for Homer bench but I do not think it has been released to the public.	5/3/2023 10:37 AM
19	Improved water treatment plant.	5/1/2023 7:14 PM
20	more single home development in our one way in/one way out valley	5/1/2023 11:22 AM
21	Parks hwy upgrade	4/29/2023 7:05 AM
22	Fixing permafrost sinking roads	4/28/2023 5:36 PM
23	None	4/28/2023 9:45 AM
24	Improved highways	4/27/2023 8:32 PM
25	Road repairs in response to permafrost degradation and frost heave	4/27/2023 4:30 PM
26	Certainly every rural area in Alaska (3/4 the State) needs basic telecommunication infrastructure if not upgrades. VoIP systems do not work for us because our data is so slow - which having at least 25mb download speed has been federally mandated since 2013 - SOA is	4/27/2023 4:07 PM

## State of Alaska Hazard Mitigation Plan Questionnaire #2

way behind. Most coastal communities' fiber access points will be even further below sea level than we already are in the next 5 years.

27	Fixing schools	4/26/2023 3:51 AM
28	Road repairs from the quake.	4/25/2023 4:12 PM
29	Double lane on Parks More trees being cut down causing higher degree of winds	4/25/2023 3:00 PM
30	Poorly developed ideas of road repairs.	4/25/2023 2:20 PM
31	None	4/25/2023 1:48 PM
32	Shoring up the Glacier stream so it doesn't cause anymore erosion.	4/25/2023 1:27 PM
33	Honestly, the mitigation efforts in Mat-su have a long way to go. Lets be honest here how many homeowners can actually say they have benefitted from any state effort since the EQ of 2018. The only reference points any commuter has is overpasses and bridges. Mitigation...Laughable.	4/24/2023 3:21 PM
34	More homes being built on mountainsides subject to landslide and wildfires with limited abatement or permit restrictions.	4/2/2023 8:40 AM

## Q9 Do you have any specific ideas for mitigation projects associated with the identified hazards that you would like the State to consider?

Answered: 25 Skipped: 9

#	RESPONSES	DATE
1	Resiliency or redundancy to electrical infrastructure	7/11/2023 6:18 PM
2	avalanche monitoring systems can help understand when avalanches occur in remote locations even in the dark with no one there. this helps forecasters better understand the size and nature of the current hazard.	7/6/2023 9:44 AM
3	Nothing that is not already considered.	6/29/2023 12:13 PM
4	PREVENTION. Let's stop making the climate worse by weaning ourselves off fossil fuels and moving into non-carbon energy, transportation, plastics, and chemicals.	6/13/2023 3:55 PM
5	No	6/8/2023 7:06 AM
6	STOP approving new mining and oil projects (Ambler, Willow, etc.). They cost the State money that should be used to provide critical services. These projects also add to pollution, greenhouse gas emissions, and degradation of the environment. All of this contributes to a warming Arctic, which in turn causes and exacerbates extreme weather, sea level rise, permafrost melting, and other climate-related disasters...which then cost money. Look at the long-term perspective, and stop spending Alaska's money in a way that causes us more problems in the end.	6/6/2023 9:26 PM
7	Would like evaluation of fire potential on Baranoff given changing climate.	5/31/2023 10:14 AM
8	Alternative route to Anchorage. Use of railway when highway is closed (At a low fee for residents in disaster ).	5/28/2023 7:46 AM
9	Improve state subdivision roads to allow for emergency response; culvert placement and sizing assessment and project to replace undersized culverts to percent futureflood damage; turn lanes and merging lanes onto major highways; rerouting of highway at Simpson hill just south of glennallen before the Richardson highway sluffs into the copper river and shuts off all highway access south of Glennallen	5/27/2023 1:04 PM
10	Shielding the communications systems from solar disruption to prevent loss of requests for help. Redundancies for the backups for any plans.	5/27/2023 12:41 AM
11	Adaptation and relocation over trying to control change	5/26/2023 8:55 PM
12	Culverts Investment in tech solutions to provide quick training to navigate IA and PA after a disaster. Investment in tech solutions for landslide early warning systems, as developed in Sitka. Investment in tech solutions for data assessments for recovery. Housing!!!! We need to prepare for housing crises after disasters. Communities could use assistance on developing housing plans and applying for BRIC housing programs. Most of the BRIC programs for housing preparedness will likely be impractical for rural areas, but for areas like Juneau, where housing is already at crisis level, a landslide or avalanche taking out additional housing units would be devastating. Comms - Southeast Alaska needs more backup solutions for failed communication systems. Systems to prevent oil spills resulting from snow or flooding compromising home oil drums. Moving critical infrastructure out of the tsunami zones. I understand that much of the above falls into Preparedness rather than Mitigation and is unlikely to fall into an HMP. However, rural communities could still use the above.	5/26/2023 8:03 PM
13	Simpson hill in Tazlina and long lake road on Glennallen highway	5/26/2023 5:56 PM
14	Landslide-generated tsunamis. Please see our "Arctic T-SLIP" working group (webpage currently hosted by Woodwell Climate Research Center). Permafrost thaw impact on not just roads but people's homes. This is a slow-moving hazard that people are left completely alone to deal with, it's unacceptable. Can cost people more than the value of their house to address.	5/3/2023 10:37 AM

## State of Alaska Hazard Mitigation Plan Questionnaire #2

15	I think that my community may be vulnerable to landslide events triggered by extreme rain like those that have happened in Haines and Sitka. It would be helpful to know what areas are most at risk. Also we have had severe blowdown events that have damaged homes and seem to be getting more frequent. It would be helpful if there was accurate wind forecasts to help anticipate these events.	5/1/2023 7:14 PM
16	More fuel reduction projects near populated areas, more water storage in areas without piped/municipal water sources, more multi-agency (including BLM, DOD) drills	5/1/2023 11:22 AM
17	No	4/28/2023 5:36 PM
18	Provide alternate connection between the MatSu and Anchorage. The highway is a single point of failure and a bridge failure or highway failure would leave the MatSu isolated	4/27/2023 8:32 PM
19	Eliminate the root cause - applying limiting mitigations to funding sources. Each community and region is different. Each community has it's own solutions. Stop promulgating regulations that implicate our livelihoods.	4/27/2023 4:07 PM
20	Put fire highdrants on Anchorage Hillside in case of wildfire out break	4/26/2023 3:51 AM
21	No	4/25/2023 3:00 PM
22	Massive snow storms and plowing	4/25/2023 1:48 PM
23	I would like the state to look at the Long Lake area and re-do the road in that section. It's terrifying.	4/25/2023 1:27 PM
24	The Glenn Hwy is still sliding into the Mat-su river in a plethora of places. The road to Valdez is still has areas sliding into the Copper River with more houses in danger.... The State is not doing anything about houses being washed away into what the State Calls "Pristine World Class Fishing Waters" Hey..how about we modify the Stafford Act to address these issues and slow rolling disasters such as Permafrost degradation. Maybe we can actually move these houses limit new construction and stop allowing property to pollute the waterways. Almost every waterway in the state has huge issues with erosion and loss of real property.	4/24/2023 3:21 PM
25	Need significant input of historic Indigenous knowledge regarding where develop should NOT be done and greater flexibility for relocation mitigation. Post-typhoon Merbok demonstrated a need for more localized measurement capabilities.	4/2/2023 8:40 AM

Q10 If you have any images of your community that you would like to share, upload them here.(Please add your contact information below to get credit for your image if it is used in the Plan)

Answered: 1 Skipped: 33

#	FILE NAME	FILE SIZE	DATE
1	inbound2784839097290465344.jpg	5.4MB	5/27/2023 1:03 PM



## Q11 About you (not required)

Answered: 17 Skipped: 17

ANSWER CHOICES	RESPONSES	
Name	94.12%	16
Company	0.00%	0
Address	0.00%	0
Address 2	0.00%	0
City/Town	0.00%	0
State/Province	0.00%	0
ZIP/Postal Code	0.00%	0
Country	0.00%	0
Email Address	100.00%	17
Phone Number	88.24%	15

#	NAME	DATE
1	Thomas E Mattice	7/6/2023 9:44 AM
2	Bob Carmichael	6/29/2023 12:13 PM
3	Patti Saunders	6/13/2023 3:55 PM
4	Jason	6/8/2023 7:06 AM
5	Kira Lena Lajarnie	6/6/2023 9:26 PM
6	Wanda Thomas	5/28/2023 7:46 AM
7	Marnie Graham	5/27/2023 1:04 PM
8	Fawn Talladay	5/27/2023 12:41 AM
9	Kim Larson	5/26/2023 8:55 PM
10	Donna ewan	5/26/2023 5:56 PM
11	Anna Liljedahl	5/3/2023 10:37 AM
12	Bretwood Higman	5/1/2023 7:14 PM
13	Julie Jessen	5/1/2023 11:22 AM
14	Scott langley	4/27/2023 8:32 PM
15	Leanna Mack	4/27/2023 4:07 PM
16	Daryl Schaffer	4/2/2023 8:40 AM

#	COMPANY	DATE
	There are no responses.	

#	ADDRESS	DATE
	There are no responses.	

State of Alaska Hazard Mitigation Plan Questionnaire #2

#	ADDRESS 2	DATE
	There are no responses.	
#	CITY/TOWN	DATE
	There are no responses.	
#	STATE/PROVINCE	DATE
	There are no responses.	
#	ZIP/POSTAL CODE	DATE
	There are no responses.	
#	COUNTRY	DATE
	There are no responses.	
#	EMAIL ADDRESS	DATE
1	Tom.mattice@juneau.org	7/6/2023 9:44 AM
2	bob.carmichael@alaska.gov	6/29/2023 12:13 PM
3	saunders.patti@gmail.com	6/13/2023 3:55 PM
4	jasong302@live.com	6/8/2023 7:06 AM
5	kira_a@live.com	6/6/2023 9:26 PM
6	wandafulalaska@gmail.com	5/28/2023 7:46 AM
7	mgraham5898@gmail.com	5/27/2023 1:04 PM
8	magickaliger@hotmail.com	5/27/2023 12:41 AM
9	kimlarsen22@aptalaska.net	5/26/2023 8:55 PM
10	sheinz@chilkoot-nsn.gov	5/26/2023 8:03 PM
11	donnaewan@yahoo.com	5/26/2023 5:56 PM
12	alijedahl@woodwellclimate.org	5/3/2023 10:37 AM
13	hig314@gmail.com	5/1/2023 7:14 PM
14	juliekjessen@gmail.com	5/1/2023 11:22 AM
15	denali1973@gmail.com	4/27/2023 8:32 PM
16	leanna.russell@gmail.com	4/27/2023 4:07 PM
17	dschaffer2@alaska.edu	4/2/2023 8:40 AM
#	PHONE NUMBER	DATE
1	9072099207	7/6/2023 9:44 AM
2	19073012628	6/29/2023 12:13 PM
3	9072782802	6/13/2023 3:55 PM
4	19073988836	6/6/2023 9:26 PM
5	907-315-1986	5/28/2023 7:46 AM
6	9072595899	5/27/2023 1:04 PM
7	9076991131	5/27/2023 12:41 AM
8	9077663885	5/26/2023 8:55 PM
9	90730956	5/26/2023 5:56 PM
10	9077999780	5/3/2023 10:37 AM

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11	9072906992	5/1/2023 7:14 PM
12	907-306-2331	5/1/2023 11:22 AM
13	9073151296	4/27/2023 8:32 PM
14	9075193768	4/27/2023 4:07 PM
15	703-243-1584	4/2/2023 8:40 AM