Proposed by: Dept. of Disaster & Emergency Services
Attorney Review: 11/22/2022

Vote: __Aye __Nay __Absent

MUNICIPALITY OF SKAGWAY, ALASKA RESOLUTION NO. 22-42R

A RESOLUTION OF THE MUNICIPALITY OF SKAGWAY, ALASKA, UPDATING THE MULTI-HAZARD MITIGATION PLAN FOR THE MUNICIPALITY OF SKAGWAY.

WHEREAS, the purpose of the Multi-Hazard Mitigation Plan (MHMP, also called a Local Hazard Mitigation Plan or LHMP) is to: educate residents about the risk of natural hazards in their community and what mitigation actions or projects may be undertaken to reduce the risk to human life and property; and make the community eligible to apply for certain grant funding, including Federal Hazard Mitigation Assistance; and

WHEREAS, the Municipality of Skagway adopted an MHMP in 2009 via Ordinance No. 09-24, and updated the plan on May 7, 2020 through an Alaska Division of Homeland Security and Emergency Management grant (Resolution No. 20-16R); and

WHEREAS, the Planning and Zoning Commission initiated an annual review of the MHMP on November 10, 2022 and continued the public review on November 14, 2022; then approved recommended amendments to the MHMP at a public meeting on November 22, 2022; and

WHEREAS, SMC 3.02.050(C)(2) indicates that updates to the MHMP are recommended to the Borough Assembly and approved by resolution;

NOW, THEREFORE, BE IT RESOLVED by the Borough Assembly of the Municipality of Skagway that the recommended amendments to the Local (Multi) Hazard Mitigation Plan, detailed in Exhibit A, are hereby approved.

PASSED AND APPROVED this day of of Skagway, Alaska.	E, 2022, by the Assembly of the Municipality
	Andrew Cremata, Mayor
ATTEST:	
Steve Burnham Jr., Borough Clerk (SEAL)	-

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The Municipality of Skagway's Assembly adopted the LHMP on date, 20xx May 7, 2020 and submitted the final draft LHMP to FEMA for formal approval.

A scanned copy of the Municipality's formal adoption is included in Appendix C.

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Table 5-1: Identification and Screening of Hazards

Hazard Type	Should It Be Profiled?	Explanation		
Earthquake	Yes	Skagway is located near the Fairweather fault, moving right-laterally approximately 2.25 inches per year, and the Denali Fault which produced the largest on-land earthquake in North America in almost 150 years. This fault has produced six major earthquake events, M7.0 or higher, in the last century.		
Flood (Riverine and/or coastal related floods and resultant erosive scour damages)	Yes	There are two major river systems in the municipality, including the Taiya River and the Skagway River, which runs adjacent to the Skagway townsite. The 1977 Legacy Flood Insurance Rate Maps have designated these areas subject to sheet flooding; however, multiple protective levees constructed on the Skagway River since that time protect the townsite from a 100-year flood.		

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Ground Failure (Avalanche, Landslide/Debris Flow, Subsidence)	Yes	Ground failure occurs throughout Alaska from avalanches, landslides, melting permafrost, and ground subsidence. There are various locations that have been identified in the Municipality that have potential for rockslides and avalanches.
Tsunami (Seiche)	Yes	The 1964 9.2M Earthquake generated a tsunami in the Pacific Ocean impacting many coastal communities along with the Municipality of Skagway. In 1994, the Municipality experienced a locally generated tsunami that caused the death of one person and destroyed infrastructure.
Severe Weather (Cold, Drought, Rain, Snow, Wind, etc.)	Yes	Severe weather impacts the community with climate change influences such as changing El Niño/La Niña Southern Oscillation (ENSO) patterns generating increasingly severe weather events such as winter storms, heavy or freezing rain, thunderstorms and with subsequent secondary hazards such as riverine or coastal storm surge floods, landslides and avalanches, heavy snow, and high wind, and extreme cold temperatures.
Wildland Fire	No <u>Yes</u>	This hazard is not a substantial threat to this community. The community has experienced multiple wildland fires in the past. Increased forest density, change in forest management, and increased summer temperatures increase the potential for wildland fires in the Municipality.
Communicable Diseases	<u>-Yes</u>	The 2020/2021 Coronavirus Pandemic caused widespread infection and illness throughout the world. As a small rural community, Skagway is susceptible to a wide spread of communicable diseases, resulting in significant negative impacts to life, safety and economic viability of the community.
Wildlife Interactions	- <u>Yes</u>	Skagway has experienced increased wildlife activity within the community and amongst residential areas.

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5.4.3 **Ground Failures**

5.4.2.3.1 Nature

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Recurrence Probability (Ground Failure)

Few locations in the Skagway area experience recurring ground failure from landslides and avalanches. Roads and community coastal areas are the most susceptible to landslide and avalanche impacts. Community hazard event history coupled with Table 5-3 Hazard Magnitude and Severity categories places Skagway's landslide and avalanche threat as "Likely." "Highly Likely". An event has historically had a greater than (33 percent) chance of occurring in any given year. It is probable the event will occur within the calendar year and the event has up to 1 in 1-year chance of occurring., as the history of events is greater than 20 percent but less than or equal to 33 percent likely per year.

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Recurrence Probability (Severe Weather Events)

Based on previous occurrences and the criteria identified in Table 5-3, it is "Likely" "Highly Likely" Skagway will experience a severe weather event. The hazard is present in the next three years with a (33 percent) years chance of occurring as the history of events is greater than 20 percent but less than or equal to 33 percent likely per year. An event has historically had a greater than 33 percent chance of occurring in any given year. It is probable the event will occur within the calendar year and the event has up to 1 in 1-year chance of occurring.

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Table 7-6: Mitigation Goals and Potential Actions

Hazard	Description	Pros	Cons	Priority
Multiple	Develop a public outreach and education programs regarding potential hazard impacts and personal planning preparations.	Life/Safety issue Risk reduction Benefit to entire community Inexpensive	Staff time	High
Multiple	Develop and implement hazard overlay zoning districts. Overlay zoning is used by communities to apply areaspecific standards and/or conditions. Some overlay zones (e.g., infill and redevelopment) are drafted to permit exceptions or require a less restrictive set of standards than otherwise provided in the zoning regulations.	Benefit to entire community Risk reduction	Staff time	Medium
Multiple	Develop or refine local emergency announcement procedures and back up plans.	Life/Safety issue Risk reduction Benefit to entire community Inexpensive	Staff time	Medium
Multiple	Join Nixle. Nixle is an electronic network systems provider that proactively manages incident communications over multiple paths including voice, text message, email, and social media before, during, and after an event to keep residents safe and informed.	Life/Safety issue/Risk reduction Benefit to entire community Federal and State assistance available	Staff time, >\$50,000	High
Multiple	Develop and install a signage program for hazards posted at key facilities or locations (e.g., at the school for emergency shelter designations).	Life/Safety issue Risk reduction Benefit to entire community	Staff time, >\$5,000	Medium
<u>Multiple</u>	Establish Mutual Aid procedures	Access to additional resources, Benefits the entire community	Staff time	Medium
<u>Multiple</u>	Work with partner and key stakeholders on response to hazards	Access to additional resources, Benefits the entire community	Staff time	High
Multiple	Inventory of supplies, equipment, locations, timelines (expirations and fuel usage), & maintenance scendules	Community preparedness Inexpensive Improved response	Staff time	Low
<u>Multiple</u>	Conduct Table Top Scenarios with response partners	Community preparedness Inexpensive Improved response	Staff time	Medium

Multiple	Create evacuation zones and maps	Life/ Safety Community preparedness, improved response	Staff time	Low
Multiple	Partner with Sitka Sound Science Center Kutí project to understand changes in extreme weather events, conditions of natural hazards in area & their potential impacts on the community	A project already funded (FREE) Access to external resources and experience Increase life/safety Community Preparedness	Staff time	Medium
Multiple	Establish shelter in place and evacuation plans for Dyea residents	Life/ Safety Community preparedness, improved response	Staff Time	Medium
Multiple	Have an assessment of water tank conditions following natural hazard events that could hinder their integrity	Life/ Safety Community preparedness Proactive efforts to prevent secondary impact	<u>Staff Time</u> >\$50,000	Medium
Multiple	Establish multi-agency partnerships for hazard analysis, education opportunities and mitigation	Life/ Safety Community preparedness Proactive efforts to prevent secondary impact	Staff Time	Low
Multiple	Analyze constraints, bottle necks, or limitations regarding our transportation routes including access to bridges, Dyea, Waterfront, and Canada	Life/ Safety Community preparedness Proactive efforts to prevent secondary impact	<u>Staff Time</u> >\$50,000	High
Multiple	Evaluate secondary transportation routes to improve access and evacuation efforts	Life/ Safety Community preparedness Proactive efforts to prevent secondary impact	<u>Staff Time</u> >\$50,000	Medium
Earthquake	Identify buildings and facilities that must be able to remain operable during and following an earthquake event.	Life/Safety issue/Risk reduction Benefit to entire community Inexpensive State assistance available	Staff time	High
<u>Earthquake</u>	Adopt a more current building code	Risk Reduction Improve FEMA grant requirements	Extremely expensive for community members building new homes, Staff time	Low
Earthquake	Contract a structural engineering firm to assess the identified buildings and facilities to determine their structural integrity and devise a strategy to improve their earthquake resistance.	Benefit to entire community Risk reduction	Feasibility and need analysis needed. 1 – 5 years	Medium

Flood and Erosion	Build and/or reinforce revetment walls (e.g., a permanent structure designed to prevent the types of subsidence that commonly occur adjacent to waterways) that are affected by erosion.	Life/Safety issue Risk reduction Benefit to entire community	Expensive, at least \$100,000	High
Flood and Erosion	Build and/or reinforce revetment walls (e.g., a permanent structure designed to prevent the types of subsidence that commonly occur adjacent to waterways) in low areas prone to flooding.	Life/Safety issue Risk reduction Benefit to entire community	Expensive, at least \$100,000	Medium
Flood and Erosion	Develop a storm water management plan for sheet flood prone areas of town Federal and State assistance available	Life/Safety issue/Risk reduction Benefit to entire community	Staff time, >\$50,000	Low
Flood and Erosion	Analyze flood zones and flood risks	Life/Safety issue/Risk reduction Benefit to entire community Understand level of risk for proactive action	Staff time, >\$50,000	<u>Medium</u>
Flood and Erosion	In flood prone areas, work with landowner partners to analyze accretion including threat posed by accretion and impact on flooding	Life/Safety issue/Risk reduction Benefit to entire community Understand level of risk for proactive action	Staff time, >\$50,000 Requires involvement from different levels of government	<u>High</u>
Flood and Erosion	Work with State to mitigate or remove concerning accretion areas	Life/Safety issue/Risk reduction Benefit to entire community Understand level of risk for proactive action	Staff time, >\$50,000 Requires involvement from different levels of government	Medium
Flood and Erosion	Confirm National Flood Insurance Program (NFIP) is available for Dyea residents and, if not, work to expand NFIP to Dyea.	Life/Safety issue/Risk reduction Benefit to community members	Staff time, Requires involvement from different levels of government	Medium
Flood and Erosion	Start a repetitive flood properties inventory to meet NFIP criteria	Helps community members access assistance, identifies areas more prone to impacts by natural hazards	Staff time,	Low
Flood and Erosion	Contract an impact study of Ore development on ocean/ river shelves	Life/Safety issue Risk reduction Benefit to community members Responsible development	Expensive, at least \$100,000	<u>Medium</u>
Flood and Erosion	Contract studies of overflow or washout at Lower Lake/ reservoir	Life/Safety issue Risk reduction Benefit to community members Responsible development	Expensive Staff Time	Low

Severe Weather	Research and consider instituting the National Weather Service program of "Storm Ready".	Life/Safety issue Risk reduction Benefit to entire community Inexpensive State assistance available	Staff time	Medium
Severe Weather	Increase back up power generation: Purchase Generators to provide enough back up power to provide essential services and sustain community; Purchase portable generating units for needs for vulnerable populations (elders, medical); Purchase portable generating units for essential services; Explore alternative power sources such as wind and solar for emergency services; Work with Alaska Dept. of Transportation to purchase back-up generator for the airport	Life/Safety Issue Benefit to entire community Federal funding may be available	Expensive, at least \$100,000	Medium
Severe Weather	Encourage weather resistant building construction materials and practices.	Risk and damage reduction. Benefit to entire community.	Potential for increased staff time. Research into feasibility necessary. Political and public support not determined. 1 – 5 year implementation	Low
Tsunami	Siren and lights at both ends of town for tsunami and other hazardous warnings	Life/Safety Project	Staff time, >\$50,000	Low
Tsunami	Develop Emergency Operations Plan, as needed	Life/Safety issue/Risk reduction Benefit to entire community Inexpensive State assistance available 1 – 5 years, or as needed.	Staff time	Medium
Ground Failures	Analyze mountainsides at risk for ground failures, Priority on our main transportation corridors	Life/Safety Issue Benefit to entire community Federal funding may be available	Large project Costs >\$50,000 Staff time	<u>High</u>
Ground Failures	Voice support for State and Federal efforts to offer rockslide/ mudslide/ landslide insurance to property owners	Life/Safety Issue Benefit to community members Inexpensive	Staff time	<u>Low</u>
Ground Failures	Engineer and pursue hazard mitigation projects for high concern areas to reduce risk and impacts of hazards	Life/Safety Issue Benefit to entire community Federal funding may be available Protect infrastructure Increase community resilience	Large project Costs >\$50,000 Staff time	<u>High</u>
Wildland Fires	Profile Wildland Fires and add goals and actions for protection against	Life/Safety Risk Reduction	Staff time	Low

Communicable diseases	Profile Communicable Diseases and add goals and actions for protection against	Life/Safety Risk Reduction	Staff time	Low
Communicable diseases	Evaluate and create procedures for swift acting medical disasters	Life/Safety Risk Reduction Community preparedness	Staff time	Low
Wildlife Interactions	Profile Wildlife Interactions and add goals and actions for protection against	Life/Safety Risk Reduction	Staff time	Low
Wildlife Interactions	Education for community on living around wildlife	Life/Safety Risk Reduction	Staff time	Low

APPENDIX C - COMMUNITY LHMP ADOPTION RESOLUTIONS

Proposed by: Attorney Review: Vote: Dept. of Disaster & Emergency Services 04/30/2020 6 Aye 0 Nay 0 Absent

MUNICIPALITY OF SKAGWAY, ALASKA RESOLUTION NO. 20-16R

A RESOLUTION OF THE MUNICIPALITY OF SKAGWAY, ALASKA, UPDATING THE MULTI-HAZARD MITIGATION PLAN (MHMP) FOR THE MUNICIPALITY OF SKAGWAY.

WHEREAS, the purpose of the Multi-Hazard Mitigation Plan (MHMP) is to: educate residents about the risk of natural hazards in their community and what mitigation actions or projects may be undertaken to reduce the risk to human life and property; and make the community eligible to apply for Pre-Disaster Mitigation (PDM) Grant Program funding and Hazard Mitigation Grant Program (HMGP) funding; and

WHEREAS, the Municipality of Skagway adopted an MHMP in 2009 via Ordinance No. 09-24, and has recently updated the plan through an Alaska Division of Homeland Security and Emergency Management grant; and

WHEREAS, SMC 3.02.050(C)(2) indicates that updates to the MHMP are recommended to the Borough Assembly and approved by resolution;

NOW, THEREFORE, BE IT RESOLVED by the Borough Assembly of the Municipality of Skagway that the updated Skagway Multi-Hazard Mitigation Plan dated October 2019 is hereby approved.

PASSED AND APPROVED this 7th day of May, 2020, by the Assembly of the Municipality of Skagway, Alaska.

Andrew Cremata, Mayor

Emily Deach Municipal Clerk

(SEAL)

AFTEST



APPENDIX G - ANNUAL REVIEWS

YEAR 1 OCTOBER 2019-OCTOBER 2020: NO REVIEW HELD DUE TO COVID

YEAR 2 NOVEMBER 2020- OCTOBER 2021: NO REVIEW HELD DUE TO COVID

YEAR 3 NOVEMBER 2021 – OCTOBER 2022:

REVIEW INITIATED: BY BOROUGH MANAGER

KICK-OFF MEETING: 11/10/2022

SPECIAL WORK SESSION: 11/14/2022
PLANNING TEAM MEETING: 11/22/2022

ASSEMBLY APPROVAL OF REVIEW AND ADOPTION OF CHANGES BY RESOLUTION:

OUTREACH:

- PUBLIC NOTICES INCLUDING EMAILS AND POSTINGS
- DIRECT OUTREACH TO STAKEHOLDERS INCLUDING: NATIONAL PARK SERVICE, CUSTOMS AND BORDER PROTECTION, SKAGWAY TRADITIONAL COUNCIL, SKAGWAY POLICE DEPARTMENT AND SKAGWAY FIRE DEPARTMENT.
- MEETINGS WITH RESPONDING PARTIES, INCLUDING: SKAGWAY TRADITIONAL COUNCIL, SKAGWAY POLICE DEPARTMENT, SKAGWAY FIRE DEPARTMENT, AND DEPARTMENT OF DISASTER AND EMERGENCY SERVICES

INVOLVED PARTIES: PLANNING AND ZONING, EOC, SKAGWAY POLICE DEPARTMENT, SKAGWAY FIRE DEPARTMENT, AND DEPARTMENT OF DISASTER AND EMERGENCY SERVICES, AND COMMUNITY MEMBERS.

ANNUAL REVIEW FORM

Annual Review Questionnaire

PLAN SECTION	QUESTIONS	YES	NO	COMMENTS
PLANNING	Are there internal or external organizations and agencies that have been invaluable to the planning process or to mitigation action	x		- Engineer firms - Comp Plan - Department of Disaster and Emergency Services; - Police Department; - Fire Department; - Skagway Traditional Council - Sitka Sound Science Center

			1	
PROCESS	Are there procedures (e.g., meeting announcements, plan updates) that can be done more efficiently?	Х		 Scheduling EOC Could be done better but improve current procedures
	Has the planning team undertaken any public outreach activities regarding the LHMP or implementation of mitigation actions?	X		- COVID-19 limited ability to conduct public outreach - Meet with rock and federal experts
	Has a natural and/or manmade/ technologically caused disaster occurred during this reporting period?	Х		 Ground Failure-> Rockslide Disaster on 8/3/2022 Winter Weather Storm December 2020 2020-2022 Covid-19 Pandemic
HAZARD PROFILES	Are there natural and/or human-made/ technologically caused hazards that have not been addressed in this LHMP and should be?	х		 Wildland Fires Communicable Diseases Wildlife Interactions
	Are additional maps or new hazard studies available? If so, what have they revealed?	х		DHS&EM Tsunami – Need to add Dyea Kuti SSSC Rockslide Analysis FEMA risk index
VULNERABILITY	Do any critical facilities or infrastructure need to be added to the asset lists?		X	- Felt list was extensive enough
ASSESSMENT	Have there been development patterns changes that could influence the effects of hazards or create additional risks?	х		Increase in extreme weather events- Atmospheric Rivers Increased rockslides
	Are there different or additional resources (financial, technical, and human) that are now available for mitigation planning in the municipality?	х		 Kuti project BIL DHS&EM Tsunami study Core of Engineers State sources Hired Engineers
MITIGATION STRATEGY	Are the goals still applicable?	х		 Identify specific broad goals of this plan including: Increase life & safety of community members Reduce Risk Benefit entire community Increase preparedness Improve community outreach Protect and build a resilient economy
	Should new mitigation actions be added to the Mitigation Action Plan (MAP)?	х		 Revetment/ Dike construction for flood control In flood prone areas, see if accretion is impacting flooding and posing a threat Work with State to mitigate or remove accretion Establish multi-agency partnerships for hazard analysis, education opportunities and

	Y	mitigation efforts Inventory of supplies, equipment, locations, timeline of them lasting, & maintenance schedule (Identify available Haz Mat tech equipment in the community)- Low Modernize building code- Establish Mutual Aid Relationship procedures Create Evacuation Zones and Maps Profile Wildland Fires and add goals and actions for protection against Analyze mountainsides at risk for ground failures, Priority on our main transportation corridor- Top Engineer mitigation projects for high concern areas to reduce hazards- Top Work with partner and key stakeholders on response to hazards- top Analyze flood zones and flood risks Tabletop scenarios Partner with Sitka Sound Science Center Kuti project Support State and Federal efforts to offer rockslide, mudslide insurance Expand flood plain and insurance to Dyea Start a repetitive flood properties inventory to meet NFIP criteria Shelter in place and evacuation plans for Dyea Impact study of Ore development on shelves Studies of lake overflow or washout Water tank assessments Access to bridges, Dyea, waterfront and Canada- Top Look at secondary transportation routes Evaluate and create procedures for swift medical disasters Education for community on living around wildlife Evaluate and procedures for swift medical disasters
Do existing mitigation actions listed in the Mitigation Strategies' MAP need to be reprioritized?	X	 Increase priority of ground failure engineer Focus on transportation corridors
Are the mitigation actions listed in the MAP appropriate for available resources?	x	All at once, no. With a phased approach, manageable

ANNUAL REVIEW SUPPORTING INFORMATION

MUNICIPALITY OF SKAGWAY

LOCAL HAZARD MITIGATION PLAN

Mitigation Action Prog	ress Report (Continued)			
Plan Goal(s) Addressed: Benefit to entire community, inexpensive, life/safety issues, risk reduction.				
	g education opportunities for the public.			
	eady program, distribution of tsunami brochures to public,			
An year and an and control of grants	and FD, Joining national programs for community alertness,			
	nouncements, and installment of notification infrastructure			
Project Status	Project Cost Status			
On Schedule	▼ Cost Unchanged			
☐ Completed	Cost Overrun**			
Delayed*	** Explain:			
* Explain:	Explain.			
	Cost Underrun***			
Concoled				
☐ Canceled	*** Explain:			
-				
Summary of progress on project for this report:				
A. What was accomplished during this reporting period				
related to tsunami hazards; Additional tsunami evacuation route signs in				
	s. Chief Reddick met with Dyea Board to discuss evacuation plans			
Met with Sitka Sounds Science Center re: landslide monitoring and	response, new communication equipment for repeater at Goat Lake			
Dept. of Disaster and Emergency Services (DES) has met multiple tim	nes to discuss local emergency planning, joined Nixle and StormReady			
B. What obstacles, problems, or delays did you enco	unter, if any? Due to the covid-19 pandemic,			
planning and reviewing efforts for other natural hazards w	as paused as Municipal focus was directed towards			
pandemic response.				
C. How was each problem resolved? N/A				
Next Steps: What is/are the next step(s) to accomplis	h over the next reporting period?			
	unami brochure for public; partner with STC and SSSC regarding natural hazard analysis			
-				
mitigation, and public outreach; complete and distribute tsunami evacuation brochures to the public. Develop community brochures and magnets regarding preparation needs and emergency response. Partner with Red Cross, Municipal Departments				
and the school to educate students.	julioy response. Farmer with read Gross, Maniapar Departments			
Other Comments:				
-				

LOCAL

MUNICIPALITY OF SKAGWAY

	Mitigation Actio	n Progres	s Repo	ort
Progress Report Period:	May 7, 2020	То	November	r 2, 2022
	(Date)	₩	3	(Date)
Project Title: Public Out	reach & Education Program	Project ID#:	LHMP-00	01
Responsible Agency:	/IOS Dept. of Disaster & Er	mergency Servic	es	
Address: P.O. Box 415				
: Skagway, AK 9984	0			
Contact Person: Emily [Deach	Title: Deputy	/ Boroua	h Manager
Phone #(s): 907-983-97		Email Address		each@skagway.org
-				
List Supporting Agencies	and Contacts:	•		
Skagway Police Department, C	Chief JJ Reddick; Skagway Fir	e Department, Ch	ief Emily Ra	uscher; Geophysical Institute UAF
Dmitry Nicolsky; State Division	n of Homeland Security, Cu	ırtis Johnson; NO	AA Nationa	Weather Service, Aaron Jacobs
Total Project Cost: Sta	ff Time, \$50,000	550		
Anticipated Cost Overrun	/Underrun:			
Project Approval Date:	May 7, 2020	Project Sta	rt Date:	May 7, 2020
Anticipated Completion D	Date: Ongoing			
Description of project (de	scribe each phase, if app	licable, and the	time frame	e for completing each phase:
The DES, Skagway PD, and Skagv	vay FD will work together to devel	op and conduct publi	c outreach and	d education on potential hazard impacts
and personal planning prepa	arations, with assistance fro	om the State DH	S&EM and	National Weather Service.

Milestones	Complete	Projected Completion Date
Chief Reddick met with Dyea Board to discuss evacuation plans, public safety	November 2, 2022	
DHS&EM Meeting to Develop Tsunami Brochure for public	October 26, 2022	
Attended KUTI Geohazards Monitoring Workshop	October 25, 2022	
Meet with NOAA/NWS Hydrologist re: Tsunami Ready Program	September 1, 2022	
Met w/Sitka Sound Science Center re: Landslide Monitoring & Response	August 17, 2022	
Public presentation from UAF re: Maritime Guidance for Boaters	April 5, 2022	
Signed up for Nixle	2013	
Joined Storm Ready	2019	
Refine local emergency procedures and back-up plans		December 2024
Install a signage program for hazards at key facilities and locations		August 2023
Update Siren and lights at both ends of town for tsunami and other hazardous warnings		July 2024

LOCAL

Mitigation Action Progress Report			
Progress Report Period: May 7, 2020	То	November	2, 2022
(Date)			(Date)
Project Title: Enhancement of community plans and Municipal Preparedness	Project ID#:	LHMP-00	02
Responsible Agency: MOS Dept. of Disaster & En	nergency Servic	es	
Address: P.O. Box 415			
: Skagway, AK 99840			
Contact Person: Emily Deach	Title: Deputy	y Boroug	h Manager
Phone #(s): 907-983-9708	Email Address	s(s) : e.de	each@skagway.org
-			
List Supporting Agencies and Contacts:			
Skagway Permitting Official, Skagway Police Department, Chief JJ Reddicl	k; Skagway Fire Depa	artment, Chief E	mily Rauscher; Geophysical Institute UAF,
Dmitry Nicolsky; State Division of Homeland Security, Cu	rtis Johnson; NO	AA National	Weather Service, Aaron Jacobs
Total Project Cost: Staff Time, >\$300,000			
Anticipated Cost Overrun/Underrun: N/A			
Project Approval Date: May 7, 2020	Project Sta	art Date:	Undetermined
Anticipated Completion Date: Ongoing			
Description of project (describe each phase, if applicable, and the time frame for completing each phase: Conduct work with the community, EOC and Emergency departments to understand locations and natural hazards within the community.			
Refine and/or create resources to enhance the community's preparedness and ability to respond to disasters.			
terme and/or create resources to enhance the community's preparedness and ability to respond to disasters.			

Milestones	Complete	Projected Completion Date
Complete hazard overlay zoning districts		2023
Develop or refine emergency announcement procedures and back up plans		2024
Identify critical buildings and facilities in emergency response		2024
Assess and strategize improvement plan for critical buildings and facilities		2025
Develop a stormwater management plan		2025
Conduct a condition assessment of the School, which is the primary emergency shelter		2023
Emergency routes		2023
Develop Emergency Operations Plan		2024

MUNICIPALITY OF SKAGWAY

LOCAL HAZARD MITIGATION PLAN

	Mitigation Action Prog	gress Repor	t (Continued)		
Plan (Goal(s) Addressed: Increase of life and safety of community	members, reduce risks, Ir	mprove community preparedness, and benefit entire community		
Goal:	Develop community resources to en	hance local	planning and response abilities		
Succe	ess Indicators: Creation of hazard zone overlay, devel	op and refine annour	ncements and plans, increase signage and mapping		
Have a	an effective and executable response plan.				
Projec	Project Status Project Cost Status				
х	On Schedule	х	Cost Unchanged		
	Completed		Cost Overrun**		
	Delayed*	** Explain:			
* Expl	ain:				
			Cost Underrun***		
	Canceled	*** Explain:	g		
Summ	nary of progress on project for this report:				
A. Wh	at was accomplished during this reporting peri	od?			
Addition of	zoning changes and recommendations to 2030 Comprehensive Plan, dept. of Disas	ster and Emergency Service	s (DES) has met multiple times to discuss local emergency planning,		
Produce	ed and placed hazard signage related to rock slide area acc	ess, assessment of	school condition, creation of a storm water map,		
B. Wh	nat obstacles, problems, or delays did you enco	unter, if any?	Due to the covid-19 pandemic,		
plannir	ng and reviewing efforts for other natural hazards w	vas paused as M	unicipal focus was directed towards		
pander	mic response.				
C. Ho	w was each problem resolved? N/A				
Next S	Steps: What is/are the next step(s) to accomplis	h over the next	reporting period?		
Fund n	eeded planning and implementation actions; Cond	luct condition ass	sessment of the School;		
Identify	all existing plans and announcements.				
Other	Comments:				

LOCAL

Mitigation Action Progress Report			
Progress Report Period: May 7, 2020	То	November 2, 2022	
(Date)		(Date)	
Project Title: Building Community Resilience	Project ID#:	LHMP-003	
Responsible Agency: MOS Dept. of Disaster & E	- mergency Servic	es	
Address: P.O. Box 415			
: Skagway, AK 99840			
Contact Person: Emily Deach	Title: Deput	y Borough Manager	
Phone #(s): 907-983-9708	Email Address		
-	-		
List Supporting Agencies and Contacts:	-		
Skagway Police Department, Chief JJ Reddick; Skagw	vay Fire Departm	nent, Chief Emily Rauscher; AK DOT;	
Skagway Firefighter Association; EOC; FEMA; & Alaska Department of Milit	tary & Veteran Affairs I	Division of Homeland Security & Emergency Management	
Total Project Cost: Staff Time, > \$500,000			
Anticipated Cost Overrun/Underrun: N/A			
Project Approval Date: May 7, 2020	Project Sta	art Date: May 7, 2020	
Anticipated Completion Date: Ongoing	***		
Description of project (describe each phase, if app Upgrade and improve community infrastructure to withs	olicable, and the stand the negativ	e time frame for completing each phase: e impacts of natural disasters and invest in	
natural disaster response equipment and facilities.			
		-	

Complete	Projected Completion Date
continuous	
	?
	?
continuous	
	2030
	2025
	2026
continuous	
	continuous

MUNICIPALITY OF SKAGWAY

LOCAL HAZARD MITIGATION PLAN

Mitigation Action Pro	gress Repo	rt (Continued)
Plan Goal(s) Addressed: Increase of life and safety of communi	ty members, reduce risks,	Improve community preparedness, and benefit entire community
Goal: Create a community of preparedne	ss through in	frastructure and equipment
Success Indicators: Developed procedures, plans an	d announcement f	for response in the event of a natural disaster.
Project Status	Project Cost S	Status
	х	Cost Unchanged
☐ Completed		Cost Overrun**
☐ Delayed*	** Explain:	
* Explain:		
_	🗀	Cost Underrun***
Canceled	*** Explain:	-
Summary of progress on project for this report:	4 - 50	
A. What was accomplished during this reporting per	o a an- o ^{si} e	SRC-50
Budgeting for planning and implementation actions. Depar		
local emergency planning. Equipment purchase. Moved old siren to Dy		**
Addition of commercial kitchen to School. New roof on Recreation Center. New gene		15/ 15/ 7/1 15/ 11/ 10/
Purchased tow-behind generator for emergencies – can be towed and sta	**************************************	
B. What obstacles, problems, or delays did you enco	ounter, if any?	Due to the covid-19 pandemic,
planning and reviewing efforts for other natural hazards	was paused as N	funicipal focus was directed towards
pandemic response.		
C. How was each problem resolved? N/A		
Next Steps: What is/are the next step(s) to accompli	sh over the next	t reporting period?
Skagway River levee repair; Taiya River/Dyea levees ar	nd development;	Install new generator at the school
Other Comments:		

- New generator at School will be ready in Spring of 2023 also provides backup power to Well #4
- Purchased tow-behind generator for emergencies can be towed and staged at emergency

12 Encourage Weather Resistant Construction

- New roof on Recreation Center
- Addition of commercial kitchen to School
- School building condition assessment
- Budgeting for levee repair and construction

13 Tsunami Siren and Lights

- Replaced tsunami siren at Recreation Center with new
- Moved old siren to Dyea/West Creek area

14 Develop Emergency Operations Plan

• To be addressed by DES

1 Public Outreach & Education Program

- Chief Reddick met with Dyea Board to discuss evacuation plans, public safety
- DHS&EM meeting to develop tsunami brochure for public
- Met with NOAA/NWS hydrologist re: tsunami ready program
- Met with Sitka Sounds Science Center re: landslide monitoring and response
- Public presentation from UAF re: maritime guidance for boaters (tsunami)
- Dept. of Disaster and Emergency Services (DES) has met multiple times to discuss local emergency planning

2 Develop and Implement Hazard Overlay Districts

 Planning to bring item to P&Z meeting to begin discussion and implementation of recommendations from 2030 Comprehensive Plan re: zoning changes

3 Local Emergency Announcement Procedures and Backup Plans

- Dept. of Disaster and Emergency Services (DES) has met multiple times to discuss local emergency planning
- DES proposed FY23 budget allocation to fund needed planning and implementation actions
- New communication equipment for repeater at Goat Lake-003

4 Join Nixle

• The MOS has joined Nixle-001

5 Signage Program for Hazards

- Produced and placed hazard signage related to rockslide area access
- Need to delve into further through DES

6 Identify Buildings to Remain Operable During Earthquake

- Need to delve into further through DES
- School condition assessment

7 Assess Buildings and Facilities

• FY23 funding to conduct a condition assessment of the School, which is the primary emergency shelter

8 Build/Reinforce Revetments re: Erosion

- FY23 budget allocation for Skagway River levee repair
- FY23 budget allocation for Taiya River/Dyea levees and development

9 Develop Storm Water Management Plan

• Will address through DES

10 Research Storm Ready Program w/NWS

• Chief Reddick has confirmed that Skagway joined

11 Increase Backup Power Generation