



THE STATE
of ALASKA
GOVERNOR MICHAEL J. DUNLEAVY

Community Resilience and Climate Adaptation Programs

Alaska Division of Community and Regional Affairs

Sally Russell Cox

Presentation to Alaska Climate Adaptation Community of Practice

January 13, 2022

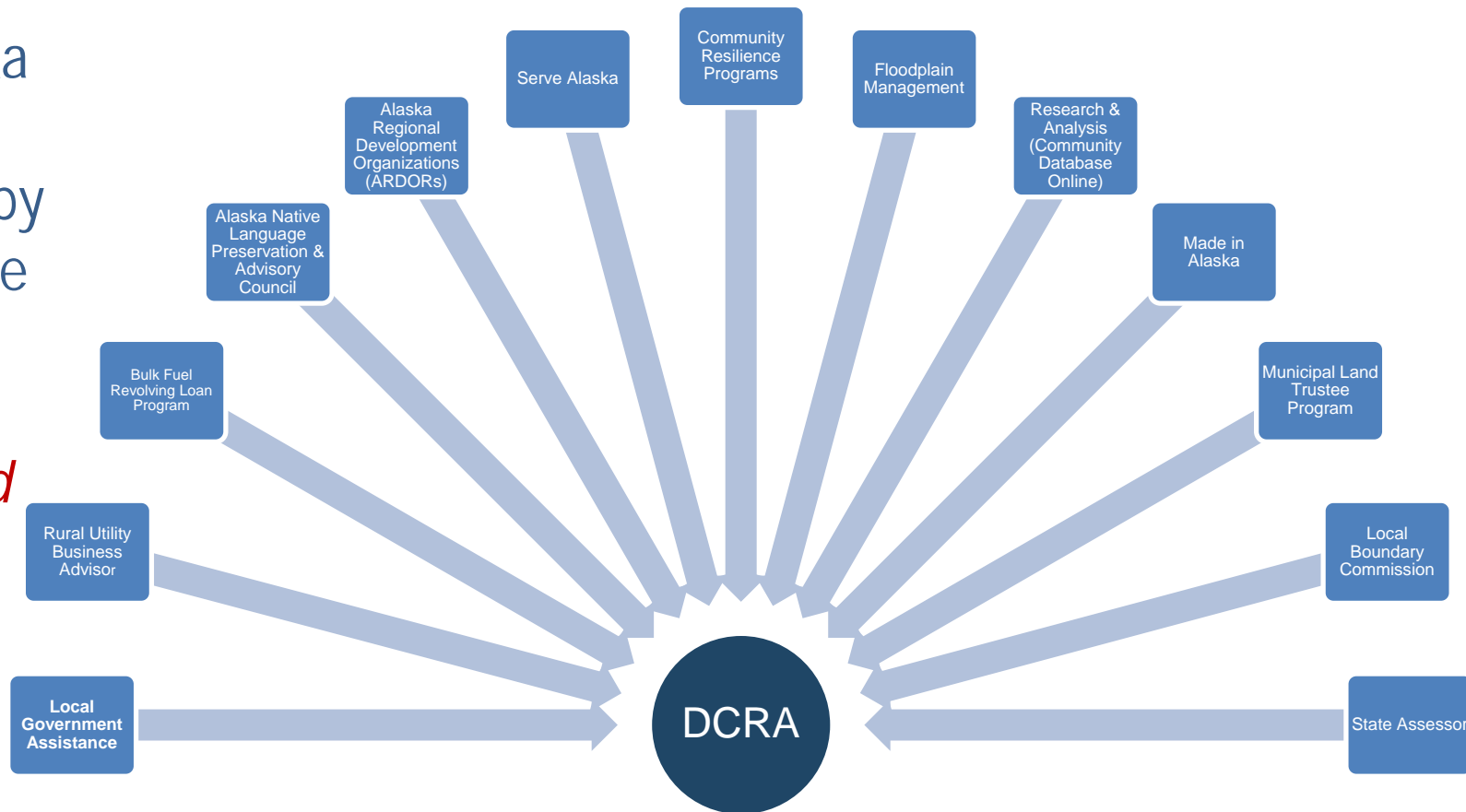


Division of Community and Regional Affairs (DCRA)

Local government agency for the State of Alaska

Article X, Section 14, of the Alaska State Constitution states:

“An Agency shall be established by law in the executive branch of the State government to *advise and assist local governments*. It shall *review their activities, collect and publish local government information, and perform other duties prescribed by law.*”



Mission: *Helping Alaska's communities build sustainable economies and a means of self-governance.*



Community Resilience and Climate Adaptation Programs

Assistance with Newtok Relocation 2006-present

- Newtok Planning Group
- Mertarvik Community Layout Plan
- Mertarvik Strategic Management Plan

Alaska Climate Change Impact Mitigation Program 2008-2011

- Hazard Impact Assessments for X Communities
- Community Adaptation Planning Grants
- Immediate Action Work Group collaboration

Alaska Community Coastal Protection Project 2012 – 2016

- Strategic Management Plans for Kivalina, Shaktoolik and Shishmaref
- Village Interagency Planning Groups for Kivalina, Shaktoolik and Shishmaref,

Risk Mapping, Assessment and Planning (Risk MAP) Program 2012 – present

- Mapping, Risk Assessments and Planning for environmentally threatened communities: Kotlik and TBD

Alaska Coastal Resilience Partnership 2020-present

- Risk Assessments for 44 Communities
- Infrastructure Protection Plans and Project Implementation for 14 communities



Risk Mapping, Assessment, and Planning (RiskMAP)

A DCRA story map



ALASKA RISK MAP: Assisting Alaska Native Villages

The goal of FEMA's **Risk Mapping, Assessment and Planning (Risk MAP) Program** is to increase local resilience by providing communities with hazard information and tools they can use to strengthen local ability to make informed decisions about reducing risk.

Since its deployment in 2009, the Risk MAP Program has primarily focused on communities that participate in the National Flood Insurance Program (NFIP) and the production of **regulatory** Flood Insurance Studies and Flood Insurance Rate Maps.

However, in Alaska, most of the flood and severe storm events are occurring in parts of the state where few communities participate in the NFIP. In addition, flooding isn't the only natural hazard that threatens life and property in Alaska.

Understanding risk is fundamental to making informed local decisions to respond and adapt to that risk. Risk MAP offers a number of **non-regulatory** products and tools that can provide critical information to imminently-threatened communities to help them begin the decision-making process of planning to respond and adapt to the natural hazards that threaten their life safety and future viability.

The following sections provide background on some of the natural hazards threatening Alaska Native villages, efforts to address these hazards, and how Risk MAP can provide assistance to remote rural communities.



<https://dced.maps.arcgis.com/apps/MapJournal/index.html?appid=ab4de854dfe54c32a08ba5902f90ffcf>

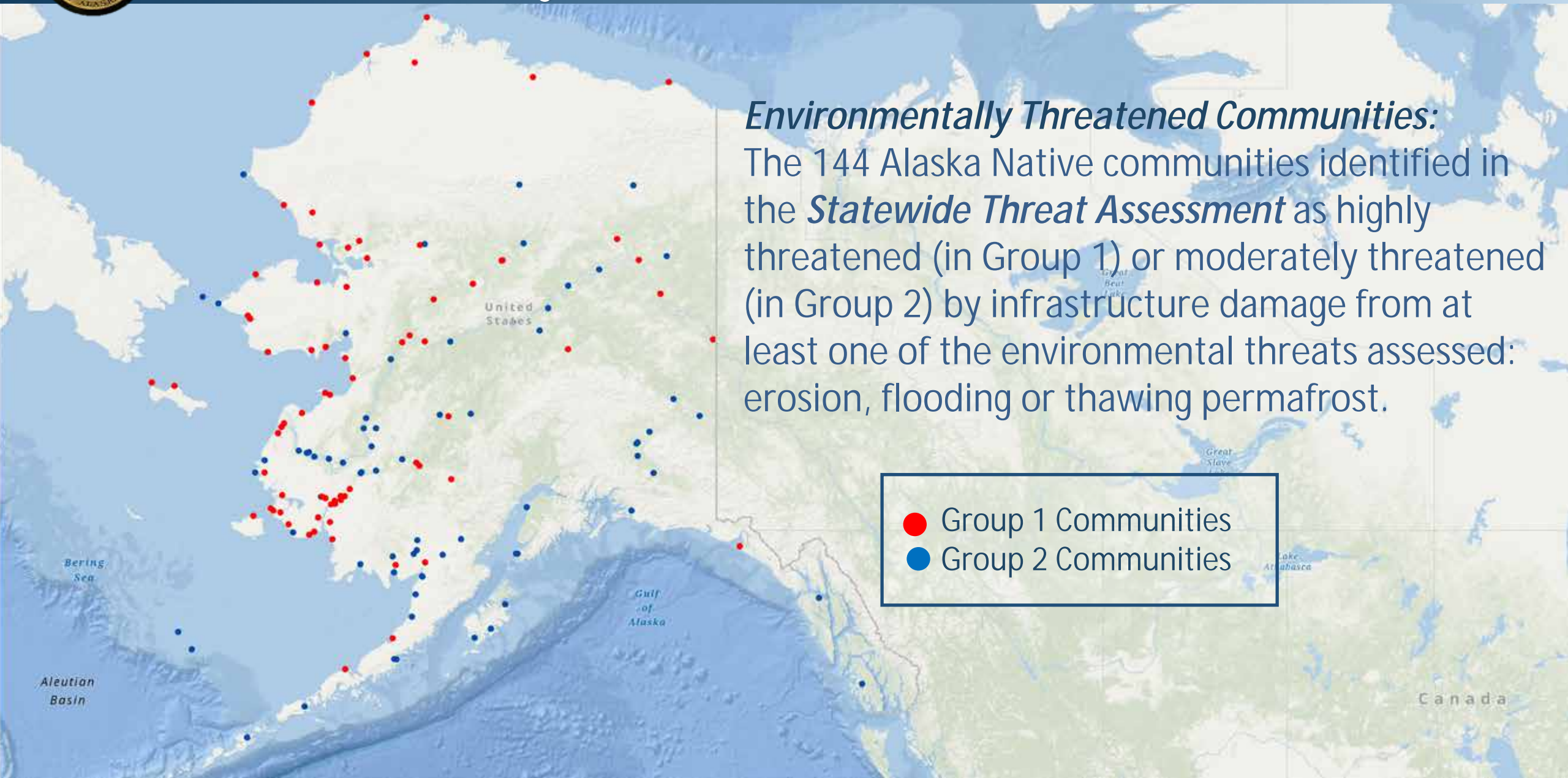


Environmentally Threatened Communities

Environmentally Threatened Communities:

The 144 Alaska Native communities identified in the *Statewide Threat Assessment* as highly threatened (in Group 1) or moderately threatened (in Group 2) by infrastructure damage from at least one of the environmental threats assessed: erosion, flooding or thawing permafrost.

- Group 1 Communities
- Group 2 Communities





Assistance to Environmentally Threatened Communities

State of Alaska / Commerce / Community & Regional Affairs / Planning & Land Management / EVCs

ASSISTANCE TO ENVIRONMENTALLY THREATENED COMMUNITIES

DCRA staff provides assistance to environmentally threatened communities in partnership with the Alaska Native Tribal Health Consortium **Center for Environmentally Threatened Communities**, the Alaska Division of Geological and Geophysical Surveys **Coastal Hazards Program**, the Denali Commission **Village Infrastructure Protection Program**, and a number of other state and federal agencies and organizations. Currently, the focus is on the communities* who were ranked highest for flood, erosion, permafrost degradation and combined threats in a **2019 Statewide Threat Assessment**. DCRA staff assists these communities with local planning as well as providing access to the broad range of local government resources DCRA has to offer.



PLANNING & LAND MANAGEMENT LINKS

[Planning & Land Mgmt Home Page](#)

[Alaska Climate Change Impact Mitigation Program](#)

[Alaska Community Coastal Protection Project](#)

[Alaska Risk MAP Program](#)

[Community Coastal Impact Assistance Program](#)

[Community Profile Maps](#)

[Floodplain Management](#)

[Interactive Mapping](#)

[Municipal Land Trustee Program](#)

[Planning & Land Mgmt Publications](#)

[Community Plans Library](#)

[Who's Planning Alaska](#)

<https://www.commerce.alaska.gov/web/dcra/PlanningLandManagement/EVCs.aspx>



Assistance to Environmentally Threatened Communities

The Communities

For information on community history, culture, economy, governance, critical infrastructure, natural hazard threats and current/proposed efforts to address each the natural hazards impacting each community, please explore the drop-down menu below.

- ▶ Akiak
- ▶ Alakanuk
- ▶ Allakaket
- ▶ Bethel
- ▶ Cheforak
- ▶ Circle
- ▶ Deering
- ▶ Diomede
- ▶ Eagle
- ▶ Emmonak
- ▶ Fort Yukon
- ▶ Galena
- ▶ Golovin
- ▶ Hughes
- ▶ Huslia
- ▶ Kivalina
- ▶ Kotlik
- ▶ McGrath
- ▶ Napakiak
- ▶ Napaskiak
- ▶ Newtok

Drop-down menus with information on community history, culture, economy, governance, critical infrastructure, environmental threats, and current/proposed projects





Assistance to Environmentally Threatened Communities

Summary of environmental threats, meeting documents, reports, studies, plans

▼ Akiak

Akiak experiences severe riverine erosion, flooding, severe weather events, subsidence due to permafrost degradation, and wildland fire. Riverine erosion is Akiak's greatest natural hazard threat. In May 2019, more than 75 feet of riverbank was lost in a single event along a mile-long stretch of the Kuskokwim River, resulting in the loss of several smokehouses and endangering residences. . In 2012, flooding eroded more than 150 feet of the community's riverbank, resulting in the loss of the community's original cemetery, fuel header protective embankment, and a house. As a result of this event, Akiak's tribal and city governments jointly submitted a disaster declaration to the Governor of Alaska requesting disaster relief.

In 2009, the **US Army Corps of Engineers (USACE) Alaska Baseline Erosion Assessment** identified Akiak as a **Priority Action Community** in which erosion is threatening the viability of the community, significant resources are being expended to minimize such threats, or both conditions are present, and the community should be considered for immediate action in either initiating an investigation or continuing with ongoing efforts to manage erosion. The USACE also selected Akiak for a **Detailed Erosion Assessment**. The assessment determined that Akiak was losing 31,900 square feet of land per year (.73 acres). The assessment projected that Akiak would lose an additional 37.33 acres of land with property damages totaling \$373,000 and building damages totaling \$4.5 million over a 50-year period of analysis. The **2009 Government Accountability Office Report on Flooding and Erosion in Alaska Native Villages** identified Akiak as one of 31 Alaska Native Villages facing imminent flooding and erosion threats. At the community's request, Akiak will be prioritized for a new Risk MAP project in 2020.

- [Alaska Community Database Online Story Map for Akiak](#)

▶ **Akiak Interagency Planning Meeting Agendas, Notes and Meeting Materials**

▶ **Akiak Low Earth Orbit Broadband Project**

▶ **Akiak Home Relocation and Managed Retreat Project**

▶ **Akiak Community Plans**

▶ **Akiak Community Profile Maps**

▶ **Akiak Reports and Studies**

▶ **Akiak in the News**



Assistance to Environmentally Threatened Communities

Interactive Map of Environmentally Threatened Communities

Alaska Division of Community and Regional Affairs

Environmentally Threatened Communities

This interactive map shows the location of communities* identified as most threatened by erosion, flooding, permafrost degradation and combined threats in the **2019 Statewide Threat Assessment** funded by the Denali Commission and conducted by the US Army Corps of Engineers and the University of Alaska Fairbanks. For more information on these communities, please also visit DCRA's webpage on [Environmentally Threatened Communities](#).

*Diomedede was added by DCRA

Information Provided by this Interactive Map

Click on the **dot** where a community is located and a **pop-up** will appear providing information specific to that community. The arrow at the top of the pop-up allows you to scroll through the following information for each community:

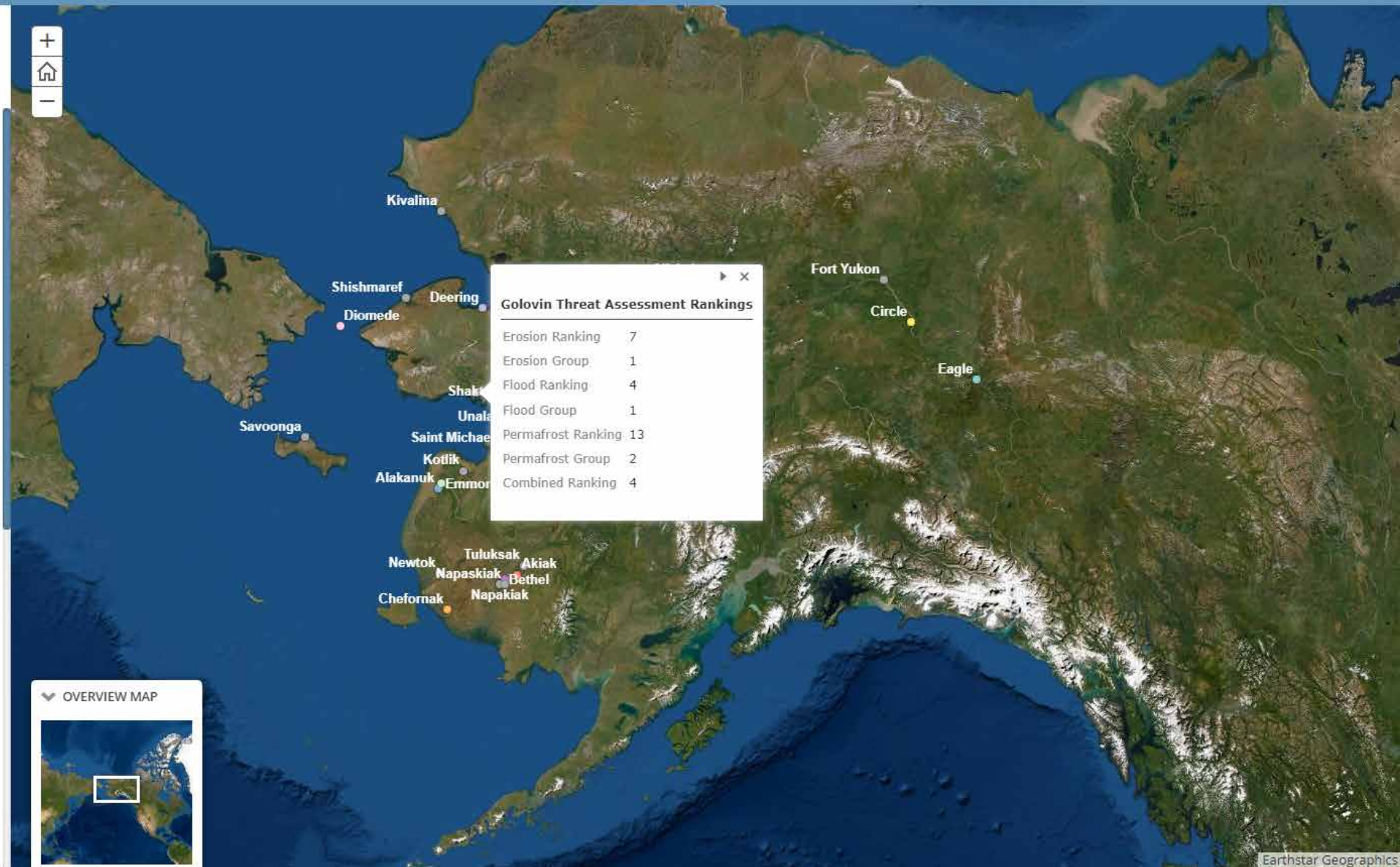
Hazard Summary: this layer provides information on the key hazard threats to the community and provides a summary of the impact of these threats.

Threat Assessment Ranking: this layer provides information on the rank the community received for erosion, flooding, permafrost degradation and combined threats from the **2019 Statewide Threat Assessment** and identifies the group the community was placed in for each of these threats (group 1 being the most threatened communities).

Hazard Study History: this layer provides information on the community's inclusion in the key hazard studies and efforts carried out over the past three decades (excluding the 2019 Statewide Threat Assessment).

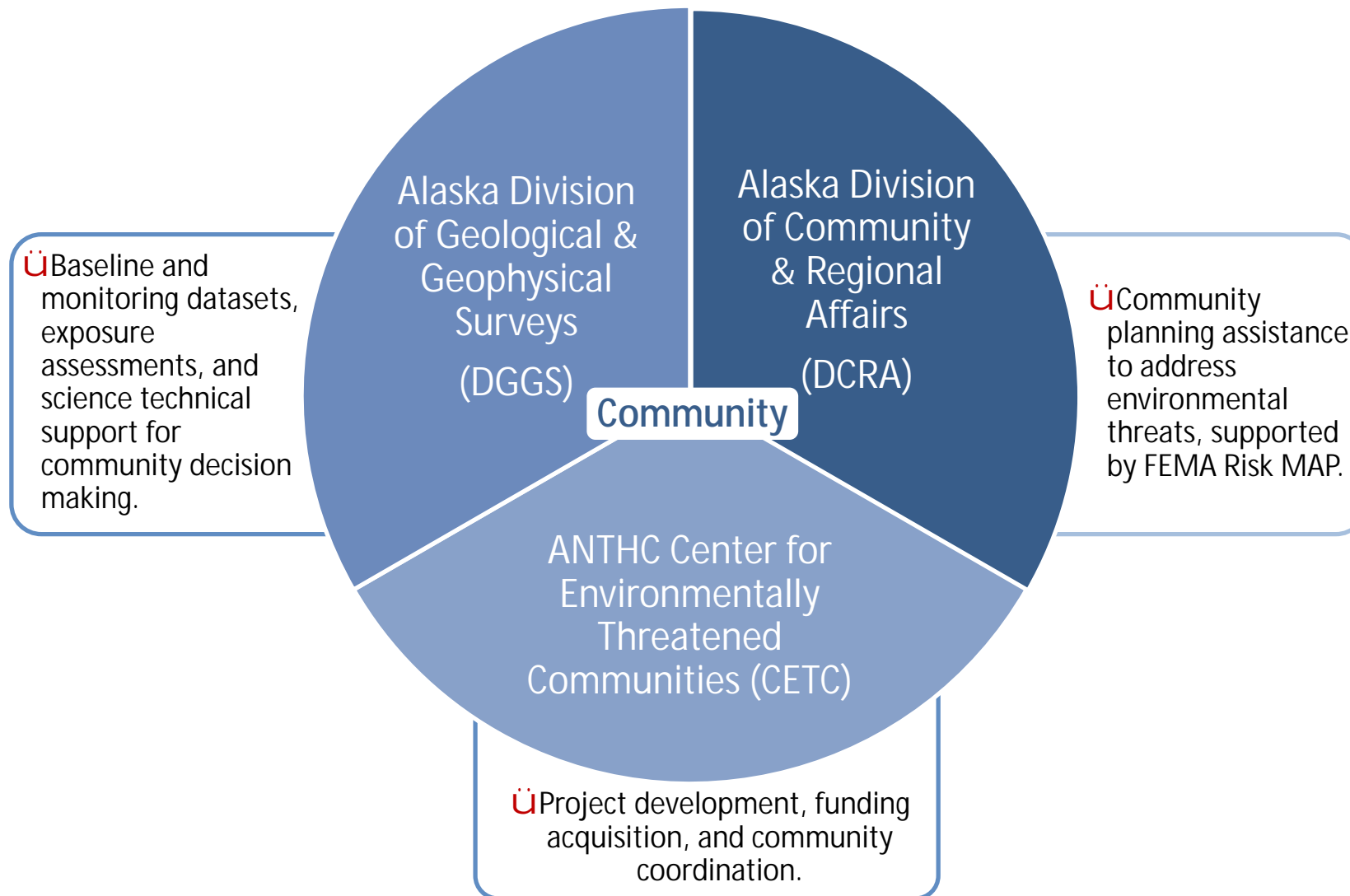
These studies and efforts include:

1. 2009 Baseline Erosion Assessment (US Army Corps of Engineers)
2. 2009 Alaska Native Villages: Limited Progress Has Been Made on Relocating Villages Threatened by Flooding and Erosion (US Government Accountability Office)
3. 2008 Immediate Action Work Group (State of Alaska Climate Change Sub Cabinet)



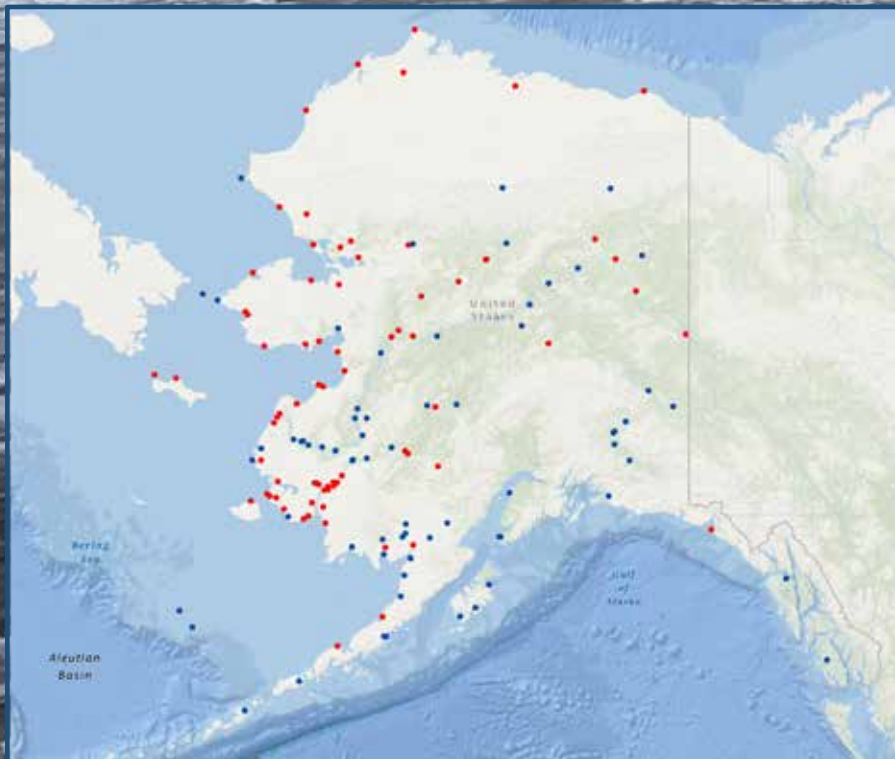


Alaska Coastal Resilience Partnership





Alaska Coastal Resilience Partnership



- Environmentally threatened communities face \$4.3 Billion in costs to infrastructure from environmental threats.
- Most environmentally threatened communities do not have access to baseline risk assessments to quantify the magnitude or severity of threats.



Alaska Coastal Resilience Partnership

Building Capacity and Conducting Coastal Risk Assessments in Remote Alaska Native Communities (National Coastal Resilience Fund)

1. Quantify and assess vulnerability
2. Develop resilience strategies with mitigation solutions (protect-in place, managed retreat, relocation)
3. Obtain funding and implement actions to reduce risk
4. Monitor effectiveness

Protection-in-place: The use of shoreline protection measures and other controls to prevent or minimize impacts. These measures allow the community to remain in its current location.



Managed Retreat: Moving a portion of the community away from hazard prone areas to locations in the community or adjacent to the current site. In order to successfully migrate, a community needs developable land nearby.



Relocation: Moving the entire community to a new location that is not connected to the current site. Relocation is the option of last resort.



Adapted with permission from Mike DeLue; Alaska Climate Adaptation Science Center; 2020.



The Three Phases of Adaptation

RISK ASSESSMENT



- Collect baseline data on erosion, flood, permafrost thaw using community-based observations and scientific data
- Erosion, flood and permafrost modeling and engineering analyses
- Data compiled into risk assessment report for review by community members and leaders

RESULT

Community understanding of risk

PLANNING



- Community develops solutions to mitigate based on technical feasibility, benefits and costs of actions
- Community decides to protect-in-place, retreat and/or relocate and prioritizes related actions, resources and timelines
- Community develops Hazard Mitigation Plan (HMP) and resilience/adaptation plan with prioritization of fundable projects

RESULT

Adaptation/resilience plan and/or HMP

IMPLEMENTATION



- Community manages construction project implementation by working with local or outside project management contractors
- Community acquires and manages project funding
- Community drives project design
- Construction using local workforce

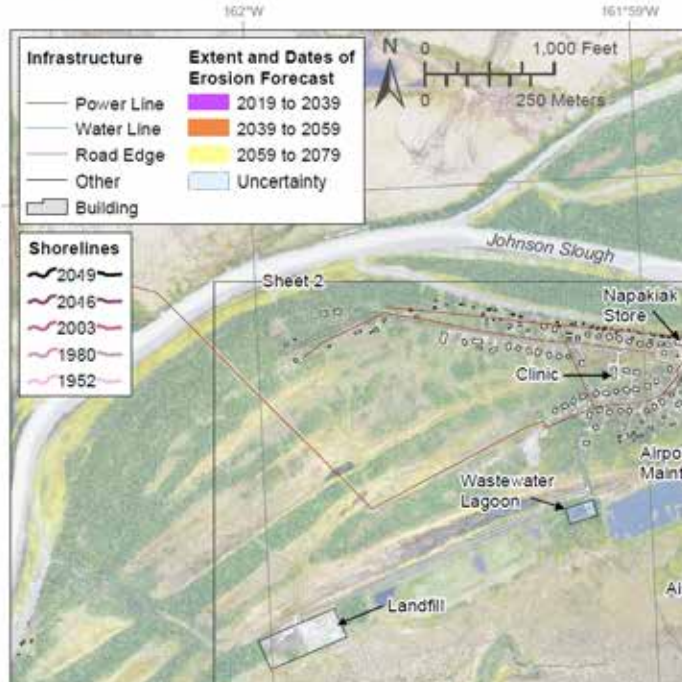
RESULT

Reduced risk to environmental threats



Risk Assessment and Planning Deliverables

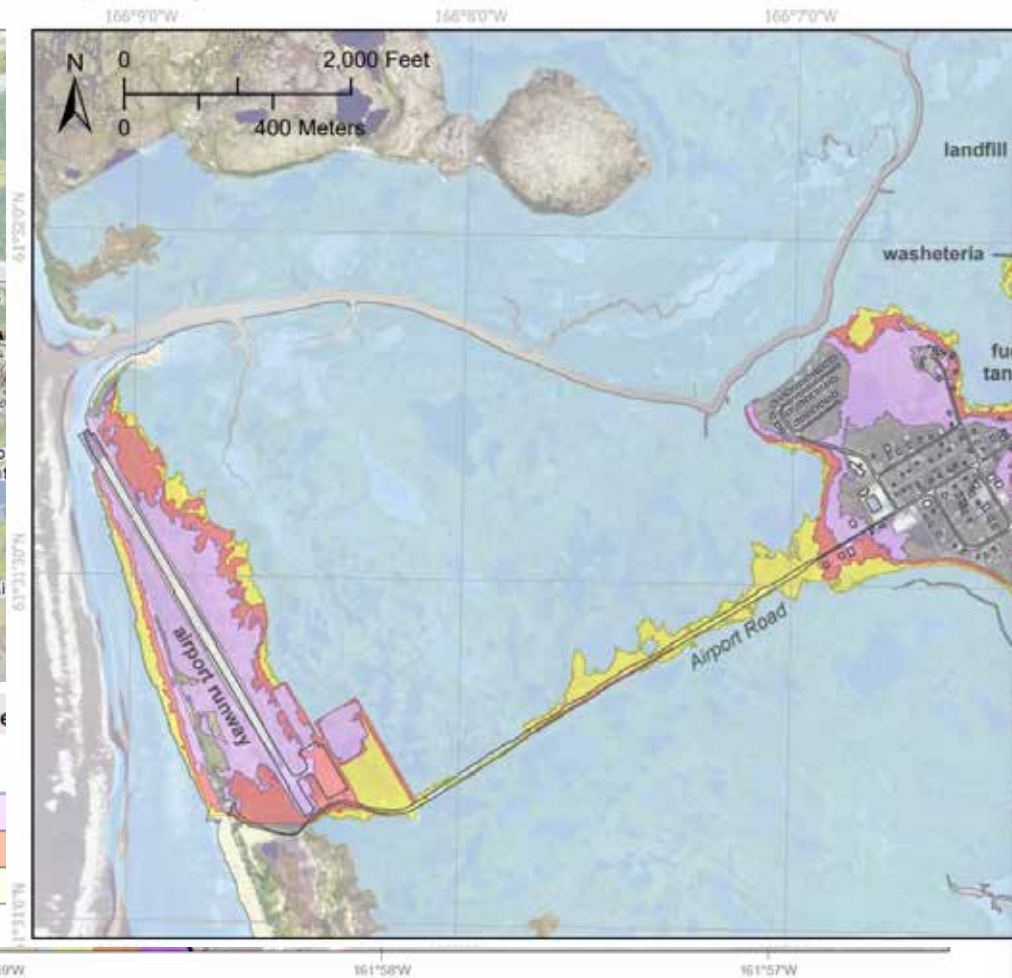
Erosion Forecast Napakiak, Alaska



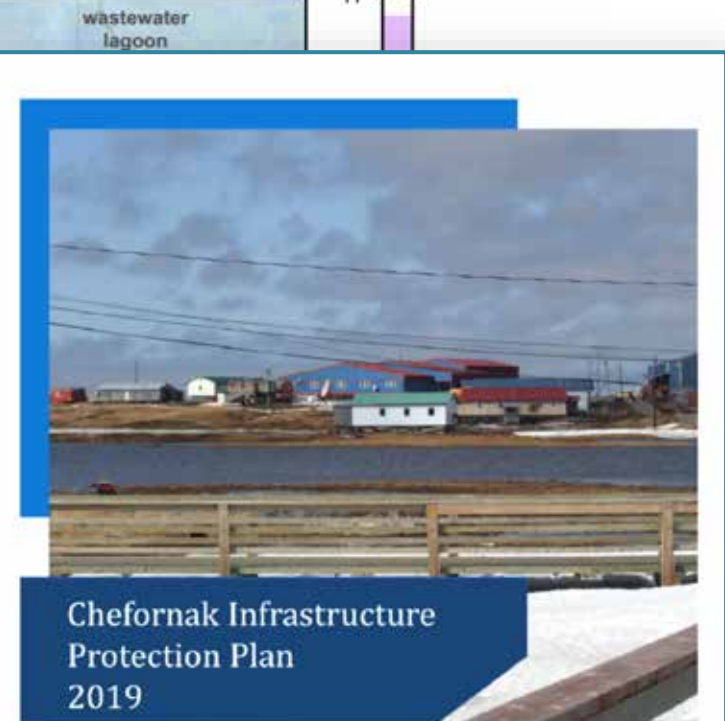
Cost to Replace Exposed Infrastructure

Erosion Forecast Date Range	Buildings & Tank Facilities	Power Lines	Water Lines	Roads
2019 to 2039	\$41,525,900	\$196,500	\$239,100	\$836,400
2039 to 2059	\$13,050,000	\$223,400	\$115,000	\$1,235,000
2059 to 2079	\$8,450,000	\$244,400	\$0	\$951,000
Combined Total	\$63,025,900	\$664,300	\$354,100	\$3,022,400

Coastal Flood Impact Map Hooper Bay, Alaska



REPORT OF INVESTIGATION 2021-1
Buzard and others, 2021
HOOPER BAY



Chefnak Traditional Council
P.O. Box 110
Chefnak, AK 995610110

City of Chefnak
PO Box 29
Chefnak, AK 99561

Chefnarmute, Incorporated
P.O. Box 70
Chefnak, AK 99561



Monitoring Progress & Coordinating Efforts

Conducting work and tracking progress with 144 communities requires a consistent and continuously updated catalog.

Resource for agencies and other organizations to understand ongoing activities and remaining gaps.

Data and assessment tracking catalog created in ArcGIS Online database, allows for sharing across organizations and with the public.
<https://dgg.alaska.gov/hazards/coastal/>

Community flooding, erosion, and permafrost risk assessment status

Use the dropdown in the top right to view data. Type or Select Community Shishmaref

General Information	Baseline Data	Monitoring	Risk Assessment
Shishmaref General Information Population: 542 Geographic Setting: coastal	Time Period: 1950, 1985, 2003, 2016 Date Completed: 2018 Source: USGS Link: Modern Imagery: Complete Date: 2016, 2021 Note: fixed-wing Source: USGS, USACE Link: Ortho Topography: Complete Date: 2004, 2021 Note: 2004-lidar, 2021-pending topobathy lidar Source: USACE Link: lidar Bathymetry: Complete Date: 2012, 2021 Source: DGG5, USACE Note: single-beam, topobathy lidar Link: bathymetry First Floor: In progress Elevation Survey: Date: 2021 Source: Denali Commission Link:	Coastal Elevation: In progress Profile Status: Date: 2012, 2017 Source: Alaska Institute for Justice Link: ACPT Community Based Erosion or Flood Monitoring: Date: 2017 Source: Alaska Institute for Justice, ACOOS Link: Monitoring Site	Historical Shoreline Change Rate: Complete Date: 2019 Source: USGS Link: Shoreline Change Report Historical Flood Assessment: Funded Date: 2023 Source: NCRF Link: Baseline Erosion Forecast: Complete Date: 2021 Source: Denali Commission Link: https://dgg.alaska.gov/pubs/id/30672 Hydrodynamic Flood Model: Funded
Statewide Threat Assessment Community: Shishmaref Flood Group: 1 Erosion Group: 1 Permafrost Group: 2 Coastal Group: 1	Water Level Data More information at Alaska Water Level Watch NOAA: None Real-Time Water Level ID: Alternative: GNSS-R Water Level Activity Status: Recommended Date: Source: NOAA: 9469854	Engineering Assessment Engineering Analysis: Recommended Date: Source: Link: Engineering Report: Recommended Date: Source:	

Map for Search Results

This map only flashes the result of the search in the top right. You must select a community using the search in the top right.



Project Phases, Key Partners, Deliverables, Desired Results

RISK ASSESSMENT

*Primary Partner with Community: DGGS
Supported by DCRA + ANTHC*

- Baseline Data Collection to support Flood Modeling (DGGS)
- Community surveys of local knowledge of hazard impacts (DCRA)
- Coastal Erosion and Flood Risk Assessments (DGGS)
- Coastal Flood Modeling (DGGS)
- Assistance to community to understand risk assessments (DCRA + ANTHC)

Deliverables:

- Erosion Forecast Map
- Coastal Flood Impact Map

RESULT:

Community understanding of risk

PLANNING

*Primary Partner with Community: DCRA
Supported by ANTHC + DGGS*

- Community assesses technical feasibility, benefits and costs of solutions and makes a decision to protect-in-place, retreat or relocate (DCRA + ANTHC)
- Community identifies and prioritizes actions, resources and timeline
- Develops strategic actions and sequencing of tasks (DCRA)
- Develops funding strategy (ANTHC)

Deliverables:

- Infrastructure Protection Plan

RESULT:

Community decisions to reduce risk

IMPLEMENTATION

*Primary Partner with Community (ANTHC)
Supported by DCRA + DGGS*

- Community manages construction project implementation by working with local or outside project management contractors (ANTHC)
- Community acquires and manages project funding (ANTHC)
- Community drives project design
- Construction using local workforce

Deliverables:

- A pipeline of fundable projects

RESULT

Reduced risk to environmental threats



Newtok Planning Group Website

State of Alaska / Commerce / Community & Regional Affairs / Planning & Land Management / Newtok Planning Group

NEWTOK PLANNING GROUP

Working together for the safe and healthy future of Newtok at Mertarvik



Mertarvik, October 2019. Photo: Ukpeagvik Iñupiat Corporation (UIC)

The Newtok Planning Group was formed in May 2006 when representatives from state and federal agencies and non-governmental organizations began meeting with Newtok to coordinate assistance for the relocation of the community to a new village site on Nelson Island. The relocation site is called Mertarvik, which in Yup'ik means, "getting water from the spring."



MERTARVIK
Nunaallerteggun ikayugulluta tamamta,
asirluta aknirtenritellerkanntenun,
nuggarillemtenun ciunerkansteni
a community that builds together
for the safe and healthy future of Newtok

The village of Newtok is threatened by advancing erosion caused by the Ninglick River adjacent to the village. This progressive erosion, in combination with permafrost degradation and flooding of the village during seasonal storms has created a serious threat to the existence of the village. Years of erosion studies have concluded that Newtok must relocate as there is no permanent and cost-effective alternative for remaining at the current village site.

NEWTOK PLANNING GROUP QUICK LINKS

Newtok Planning Group Home

Newtok Relocation News

Airport

Community Layout Planning

Community Power/
Alternative Energy

Emergency Response Planning

Geotechnical and Geophysical Studies

Housing

Innovative Readiness Training Program
(IRT) Mertarvik

Mertarvik Access Road

Mertarvik Barge Landing and Staging Area

Mertarvik Evacuation Center

Mertarvik Strategic Management Plan

Mertarvik Relocation Project Steering
Committee

NEPA Documentation

Newtok Environmental Site Inventory and
Assessment

Newtok Village Relocation History

Waterfront Development

of Commun <https://www.commerce.alaska.gov/web/dcra/planninglandmanagement/newtokplanninggroup.aspx>



Newtok Planning Group Reports and Studies

▼ Reports and Studies

- [2018 Mertarvik Townsite Subdivision Plat\(.pdf\)](#)
- [2018 Final Environmental Impact Statement - Mertarvik Infrastructure Development\(.pdf\)](#)
- [2017 Newtok - Mertarvik Overview Booklet\(.pdf\)](#)
- [2017 Mertarvik Community Layout and Overall Site Plan\(.pdf\)](#)
- [2017 Village Housing Assessment for the village of Mertarvik\(.pdf\)](#)
- [2017 Newtok-Mertarvik Relocation Energy Master Plan\(.pdf\)](#)
- [2017 Mertarvik Housing Master Plan\(.pdf\)](#)
- [2016 Newtok Mertarvik Multi-Purpose Building Retrofit Feasibility Study\(.pdf\)](#)
- [2015 Newtok Environmental Site Inventory & Assessment \(NESI&A\) Part I: Hazardous Materials Inventory\(.pdf\)](#)
- [2015 NESI&A Part I: Hazardous Materials Inventory - Appendices A-B\(.pdf\)](#)
- [2015 NESI&A Part I: Hazardous Materials Inventory - Appendices C-D\(.pdf\)](#)
- [2015 NESI&A Part I: Hazardous Materials Inventory - Appendix E\(.pdf\)](#)
- [2015 NESI&A Part II: Assessment\(.pdf\)](#)
- [2015 NESI&A Part II: Figure 1\(.pdf\)](#)
- [2015 Newtok Village Tribal Hazard Mitigation Plan Update\(.pdf\)](#)
- [2015 Mertarvik Paper Plat\(.pdf\)](#)
- [2015 Mertarvik Community Layout Plan\(.pdf\)](#)
- [2014 Airport Layout Plan for the Newtok Airport, Mertarvik, Alaska\(.pdf\)](#)
- [2012 Mertarvik Airport Site Selection Study \(11.5 MB\)\(.pdf\)](#)
- [2012 Mertarvik Airport Site Selection Study: Appendices A - C \(17.6 MB\)\(.pdf\)](#)
- [2012 Mertarvik Airport Site Selection Study: Appendices D - E \(13.1 MB\)\(.pdf\)](#)
- [2012 Mertarvik Waterfront Development Study \(Draft - Main Report\)\(.pdf\)](#)
- [2012 Mertarvik Waterfront Development Study Appendices A-B \(Draft\)\(.pdf\)](#)
- [2012 Mertarvik Waterfront Development Study Appendix C \(Draft\)\(.pdf\)](#)
- [2012 Mertarvik Waterfront Development Study Appendices D-E \(Draft\)\(.pdf\)](#)
- [2012 Mertarvik Strategic Management Plan\(.pdf\)](#)
- [2012 Mertarvik Strategic Management Plan Background Report\(.pdf\)](#)
- [2012 Mertarvik Relocation Plan\(.pdf\)](#)
- [2011 EA and FONSI, Innovative Readiness Training at Mertarvik, Nelson Island, Alaska\(.pdf\)](#)
- [2011 Mertarvik Relocation Report \(.pdf\)](#)



Legacy Programs: Alaska Climate Change Impact Mitigation Program

HOME PROGRAMS RESOURCES PUBLICATIONS NOTICES AND COMMENT

State of Alaska / Commerce / Community & Regional Affairs / Planning & Land Management / ACCIMP

ALASKA CLIMATE CHANGE IMPACT MITIGATION PROGRAM



The Alaska Climate Change Impact Mitigation Program (ACCIMP) was established to provide technical assistance and funding to communities imminently threatened by climate-related natural hazards such as erosion, flooding, storm surge, and thawing permafrost. The intent of the program is to help impacted communities develop a planned approach to shoreline protection, building relocation and/or eventual relocation of the village.

The ACCIMP seeks to create safe, healthy and sustainable communities by increasing community resilience to climate-related natural hazards.

The ACCIMP is implemented through a two-step process

1. **HAZARD IMPACT ASSESSMENTS** are conducted to identify and define the hazard impacts in the community, to assess how those hazards impact the community, and to develop recommendations for how the community might best mitigate those hazard impacts; and
2. **COMMUNITY PLANNING GRANTS** allow communities to carry out one or more of the recommendations from the Hazard Impact Assessment. Results of community planning efforts will provide a common blueprint for investment of federal assistance and state and local resources as well.

PLANNING & LAND MANAGEMENT LINKS

- Planning & Land Mgmt Home Page
- Alaska Climate Change Impact Mitigation Program
- Alaska Community Coastal Protection Project
- Alaska Risk MAP Program
- Community Coastal Impact Assistance Program
- Community Profile Maps
- Floodplain Management
- Interactive Mapping
- Municipal Land Trustee Program
- Planning & Land Mgmt Publications
- Community Plans Library
- Who's Planning Alaska



- 5 Hazard Impact Assessment Reports (*Atmautluak, Elim, Kipnuk, Nelson Lagoon, Quinhagak*)
- Study reports for 6 Community Planning grants (*Atmautluak, Kipnuk, Kivalina, Koyukuk, Newtok, Shaktoolik, Shishmaref, Unalakleet*)

<https://www.commerce.alaska.gov/web/dcra/PlanningLandManagement/ACCIMP.aspx>



Legacy Programs: Alaska Community Coastal Protection Project

State of Alaska / Commerce / Community & Regional Affairs / Planning & Land Management / Alaska Community Coastal Protection Project

ALASKA COMMUNITY COASTAL PROTECTION PROJECT



Completed in 2016, the **Alaska Community Coastal Protection Project** focused on three of the most imminently threatened villages in Western Alaska: the communities of Kivalina, Shaktoolik and Shishmaref. The project was based on the premise that careful planning, agency collaboration and strong community leadership are essential to successfully addressing the needs of imperiled communities.

Through this effort, comprehensive **Strategic Management Plans** were prepared for each community. These plans take a comprehensive approach to increasing community resilience to climate impacts and natural hazards by strengthening local capacity, assessing and guiding community and infrastructure development, and supporting environmental protection and human safety. The Strategic Management Plans received a **National Recognition Award** by the American Council of Engineering Companies (ACEC) for **ACEC's 2018 Engineering Excellence Awards**.

During the planning process, Village Inter-Agency Planning Groups were organized for each community. **These planning groups continue to be held to help each community implement the strategic actions within each strategic management plan (see below).**

- Kivalina Inter-Agency Planning Work Group
- Shaktoolik Inter-Agency Planning Work Group
- Shishmaref Inter-Agency Planning Work Group

PLANNING & LAND MANAGEMENT LINKS

[Planning & Land Mgmt Home Page](#)

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[Alaska Community Coastal Protection Project](#)

[Alaska Risk MAP Program](#)

[Community Coastal Impact Assistance Program](#)

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[Floodplain Management](#)

[Interactive Mapping](#)

[Municipal Land Trustee Program](#)

[Planning & Land Mgmt Publications](#)

[Community Plans Library](#)

[Who's Planning Alaska](#)



- Background Planning Reports + Strategic Management Plans for Kivalina, Shaktoolik, and Shishmaref



Community Database Online



Home

What's New

Datasets

Economic
Data

Query Tool

REST API

Metadata

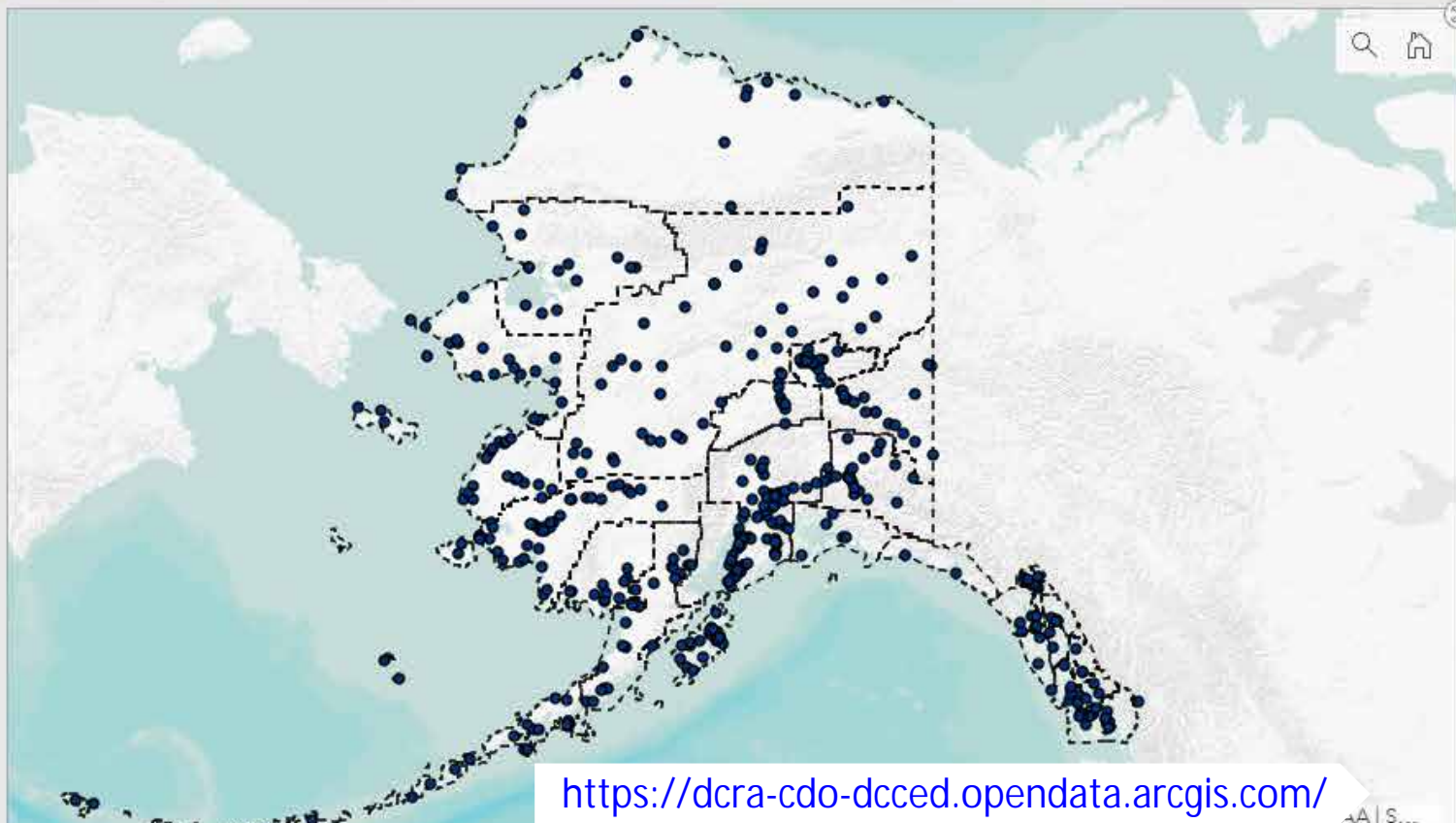
DCRA

Feedback

Order Digital Data for Communities: [Click Here](#)

Order Printed Maps: [Click Here](#)

- Adak
- Adak Station
- Afognak
- Akhiok
- Akiachak
- Akiak
- Akutan
- Alakanuk
- Alatna
- Alcan Border
- Aleknagik
- Aleneva
- Aleutians East Borough
- Allakaket
- Alpine
- Ambler
- Anaktuvuk Pass



<https://dcra-cdo-dccd.opendata.arcgis.com/>



Community StoryMaps

Alakanuk, Alaska

Please click "Print This StoryMap" for an ADA-compliant StoryMap.



Print This StoryMap



Do you see any inaccurate information? If so, please [click here](#).

Current Population: 747 (Population Year: 2020)

Incorporation Type: 2nd Class City

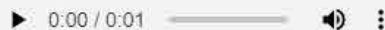
Native Community Name: Alarneq (Language: Central Yup'ik)

Native Community Name Translation: The Result of an Error

English Pronunciation: uh LUCK uh nuck

Native Place Name

Pronunciation:



English Pronunciation:

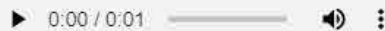


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DCCED's GIS Data Portal



DCCED's Data Portal

Helpful Links

[CDO: Community Database Online](#) - [Economic Data Hub](#) - [Enterprise Internal Portal](#) - [Community and Regional Affairs Homepage](#)

<https://dccd.maps.arcgis.com/home/index.html>

Featured Maps

Featured maps displayed on the carousel here. Discover more maps and apps in the Gallery and Content tabs.



DCCED's GIS Data Portal

Featured Maps

Featured maps displayed on the carousel here. Discover more maps and apps in the Gallery and Content tabs.



Web Map
Alaska Entity Contacts Directory
Alaska Entity Contacts Directory
Web Map.



Web Mapping Application
Bulk Fuel Inventory Facilities St...
Web app displaying bulk fuel
inventory facilities and energy
regions across Alaska.



Web Mapping Application
Kotlik, Alaska: Environmental H...
A community profile of the Village of
Kotlik.



Web Mapping Application
Interactive Map of Environment...
A map showing communities
identified as highly vulnerable to
erosion, flooding and permafrost.



Web Experience
Alaska Recovery Dashboard
Alaska Recovery Dashboard.



Web Mapping Application
Community Resilience and Clim...



Web Mapping Application
Boundary Changes in Alaska
All known attempted boundary
changes in Alaska that have gone
through the Local Boundary




Web Mapping Application
Teachers Across Alaska
Teachers Across Alaska: Counts by
school and district.

<https://dced.maps.arcgis.com/home/gallery.html?view=grid&sortOrder=asc&sortField=title>



Community Resilience Dashboards and StoryMaps




DCRA Program Analysis
Environmentally
Threatened Communities



Statewide Threat
Assessment Dashboard



Traditional Livelihoods in
Alaska Threatened by
Climate Change




Environmentally Threatened C...
A map showing communities
identified as highly vulnerable to
erosion, flooding and permafrost



Kotlik, Alaska: Environmental ...
A community profile of the Village of
Kotlik.




Alaska Risk Map: Assisting Alas...
A overview of the new Alaska Risk
Mapping, Assessment and Planning
(Risk MAP) Program focus on



Risk MAP Communities
A map showing the 17 boroughs and
cities involved with the Risk Mapping,
Assessment and Planning (Risk MAP)



FEMA Region 10 Risk MAP Process
This story map provides detailed
information on each phase of the
Risk MAP process.



Risk Mapping, Assessment an...
A map of Alaska showing the State
priority HUC-8 watersheds (and the
communities within them) for Risk



Interactive Map of Environmen...
A map showing communities
identified as highly vulnerable to
erosion, flooding and permafrost

<https://dced.maps.arcgis.com/home/gallery.html?view=grid&sortOrder=asc&sortField=title>



DCRA Community Plans Library

State of Alaska / Commerce /

PLANNING & LAND MANAGEMENT


Community Plans Library Search

The Division of Community and Regional Affairs (DCRA) has designed and implemented the Community Plans Library (CPL) for the purpose of collecting and sharing community plans from across the state including comprehensive plans, strategic plans, land use plans, transportation plans, and other planning documents. This library is an evolving resource that grows over time as communities, agencies, and planners voluntarily submit plans to be housed in a shared database and website.

The Community Plans Library (CPL) is searchable by region, community, year, or plan type. Search results are available via PDF document download or email notification.

Community: Borough, Census Area: Alaska Region:

Location: 

Category: 

Year: 





DCRA Community Plans Library

Found 113 plans. [New Search](#)

Community	Title of Plan	Type of Plan	Date Published	Contact	Alaska Region
Akutan	City of Akutan Community Plan	Community Plan	2005	City of Akutan	Southwest Region
Alatna	Alatna Community Plan	Community Plan	2020	Alatna Tribal Council	Interior Region
Aleknagik	Aleknagik Community Plan 2013 Update	Community Plan	2013	City of Aleknagik	Western Region
Allakaket	Allakaket Community Plan 2010	Community Plan	2010	City of Allakaket	Interior Region
Allakaket	Allakaket Community Plan 2018	Community Plan	2018	City of Allakaket	Interior Region
Aniak	Aniak Community Plan	Community Plan	2001	City of Aniak	Western Region
Anvik	Anvik Community Plan 2016	Community Plan	2016	City of Anvik	Interior Region
Arctic Village	Arctic Village Community Plan	Community Plan	2019	Arctic Village Traditional Council	Interior Region
Atka	Atka Community Development Plan	Community Plan	2006	City of Atka	Southwest Region
Beaver	Beaver Community Plan	Community Plan	2016	Village of Beaver	Interior Region
Birch Creek	Birch Creek Community Plan	Community Plan	2015	Birch Creek Tribal Council	Interior Region
Birch Creek	Birch Creek Community Plan	Community Plan	2015	Birch Creek Tribal Council	Interior Region
Buckland	Buckland Community Comprehensive Development Plan 2006-2016	Community Plan	2006	City of Buckland	Northwest Region
Buckland	Buckland Community Master Plan	Community Plan	1999	City of Buckland	Northwest Region
Chalkyitsik	Chalkyitsik Community Plan	Community Plan	2009	Chalkyitsik Village Council	Interior Region
Chalkyitsik	Chalkyitsik Community Plan	Community	2015	Chalkyitsik Village	Interior Region



DCRA Community Plans Library

Found 226 plans. [New Search](#)

Community	Title of Plan	Type of Plan	Date Published	Contact	Alaska Region
	2018 State of Alaska Hazard Mitigation Plan	Hazard Mitigation Plan	2018		
Akiachak	Akiachak LHMP 2013	Hazard Mitigation Plan	2013	Akiachak, Limited	Western Region
Akiak	Akiak LHMP 2013	Hazard Mitigation Plan	2013	City of Akiak	Western Region
Akiak	Akiak Native Community Multi-Hazard Mitigation Plan	Hazard Mitigation Plan	2019	City of Akiak	Western Region
Akiak	Draft Akiak Native Community Multi-Hazard Mitigation Plan	Hazard Mitigation Plan	2019	City of Akiak	Western Region
Alakanuk	Alakanuk LHMP 2013	Hazard Mitigation Plan	2013	City of Alakanuk	Western Region
Alakanuk	City of Alakanuk and Native Village of Alakanuk Multi-Jurisdictional Hazard Mitigation Plan Update	Hazard Mitigation Plan	2021	City of Alakanuk	Western Region
Alakanuk	City of Alakanuk Local Hazard Mitigation 2018 Plan Update	Hazard Mitigation Plan	2018	City of Alakanuk	Western Region
Alakanuk	Hazard Mitigation Plan	Hazard Mitigation Plan	2007	City of Alakanuk	Western Region
Alatna	Native Village of Alatna Tribal Hazard Mitigation Plan	Hazard Mitigation Plan	2018	Alatna Tribal Council	Interior Region
Alatna	The Native Village of Alatna Hazard Mitigation Plan	Hazard Mitigation Plan	2010	Alatna Tribal Council	Interior Region
Aleutians East Borough	Communities of the Aleutians East Borough Multi-Jurisdictional Multi-Hazards Mitigation Plan	Hazard Mitigation Plan	2010	Aleutians East Borough	Southwest Region
Allakaket	The City of Allakaket Hazard Mitigation Plan	Hazard Mitigation Plan	2010	City of Allakaket	Interior Region
Ambler	Northwest Arctic Borough Multi-Jurisdictional Hazard Mitigation Plan - Ambler	Hazard Mitigation Plan	2019	City of Ambler	Northwest Region
Anchorage	All Hazard Mitigation Plan	Hazard Mitigation Plan	2004	Municipality of Anchorage	Southcentral Region
Anchorage	All Hazards Mitigation Plan Update	Hazard Mitigation Plan	2011	Municipality of Anchorage	Southcentral Region



DCRA Community Plans Library

Found 12 plans. [New Search](#)

Community	Title of Plan	Type of Plan	Date Published	Contact	Alaska Region
Newtok	2008 Mertarvik Community Layout Plan	Other Plan	2008	Newtok Native Corporation	Western Region
Newtok	2011 Mertarvik Community Layout Revision	Other Plan	2011	Newtok Native Corporation	Western Region
Newtok	2012 Mertarvik Relocation Plan Graphic	Other Plan	2012	Newtok Native Corporation	Western Region
Newtok	2012 Mertarvik Strategic Management Plan	Other Plan	2012	Newtok Native Corporation	Western Region
Newtok	2012 Mertarvik Strategic Management Plan Background Report	Other Plan	2012	Newtok Native Corporation	Western Region
Newtok	2015 Mertarvik Community Layout Plan	Other Plan	2015	Newtok Native Corporation	Western Region
Newtok	2017 Mertarvik Community Layout and Overall Site Plan	Other Plan	2017	Newtok Native Corporation	Western Region
Newtok	2017 Mertarvik Housing Master Plan	Other Plan	2017	Newtok Native Corporation	Western Region
Newtok	2017 Newtok-Mertarvik Relocation Energy Master Plan	Other Plan	2017	Newtok Native Corporation	Western Region
Newtok	2020 Hazard Mitigation Plan Update for Newtok and its Subdivision of Mertarvik	Hazard Mitigation Plan	2020	Newtok Native Corporation	Western Region
Newtok	Local Hazards Mitigation Plan	Hazard Mitigation Plan	2008	Newtok Native Corporation	Western Region
Newtok	Newtok Hazard Mitigation Plan	Hazard Mitigation Plan	2015	Newtok Native Corporation	Western Region





DCRA Community Plans Library

Found 12 plans. [New Search](#)

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Newtok	2011 Mertarvik Community Layout Revision	Other Plan	2011	Newtok Native Corporation	Western Region
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Newtok	2012 Mertarvik Strategic Management Plan Background Report	Other Plan	2012	Newtok Native Corporation	Western Region
Newtok	2015 Mertarvik Community Layout Plan	Other Plan	2015	Newtok Native Corporation	Western Region
Newtok	2017 Mertarvik Community Layout and Overall Site Plan	Other Plan	2017	Newtok Native Corporation	Western Region
Newtok	2017 Mertarvik Housing Master Plan	Other Plan	2017	Newtok Native Corporation	Western Region
Newtok	2017 Newtok-Mertarvik Relocation Energy Master Plan	Other Plan	2017	Newtok Native Corporation	Western Region
Newtok	2020 Hazard Mitigation Plan Update for Newtok and its Subdivision of Mertarvik	Hazard Mitigation Plan	2020	Newtok Native Corporation	Western Region
Newtok	Local Hazards Mitigation Plan	Hazard Mitigation Plan	2008	Newtok Native Corporation	Western Region
Newtok	Newtok Hazard Mitigation Plan	Hazard Mitigation Plan	2015	Newtok Native Corporation	Western Region

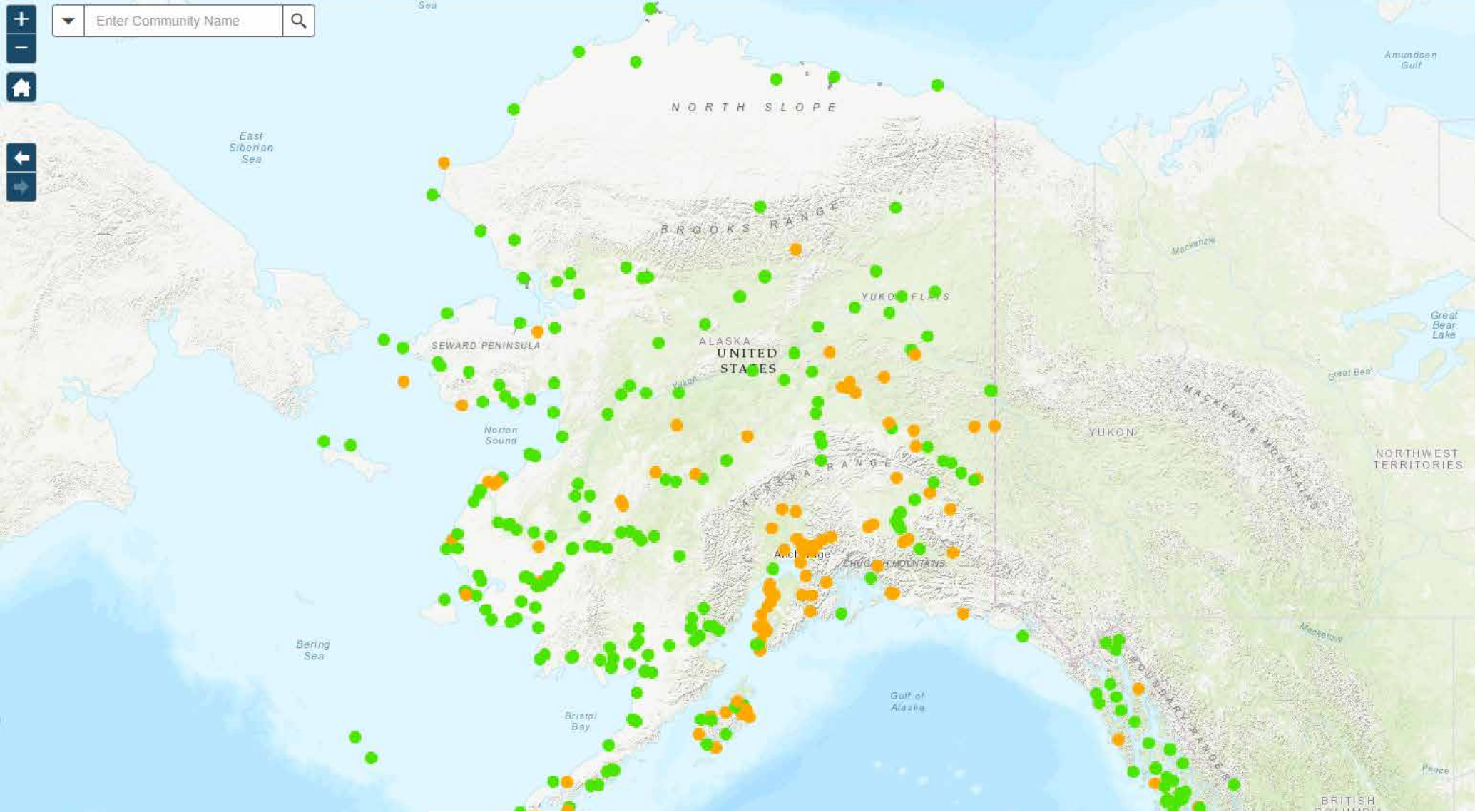




DCRA Community Profile Maps

ALASKA DCRA Community Profile Maps DCRA Website

Enter Community Name:



Legend

- Community Profiles
- Profile Map Available for Community
- Orange dot: No
 - Green dot: Yes



DCRA Community Profile Maps

ALASKA DCRA Community Profile Maps DCRA Website

Enter Community Name

Legend

Community Profiles

Profile Map Available for Community

- No
- Yes

Profile Map: Yes

USGS Quad Map: Nulato C-2

Meridian:

Township:

Range:

Section:

Attachments:

- [Galena 2009 Area Map Sht 1 24x36.pdf](#)
- [Galena 2009 Area Map Sht 2 24x36.pdf](#)
- [Galena 2009 Area Map Sht 3 24x36.pdf](#)
- [Galena 2009 Sht 1 24x36.pdf](#)
- [Galena 2009 Sht 2 24x36.pdf](#)
- [Galena 2009 Sht 3 24x36.pdf](#)
- [Galena 2009 Sht 4 24x36.pdf](#)
- [Galena 2009 Split 24x36.pdf](#)

Zoom to

Click on a green dot and a list of all profile maps come up for that community



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