



BIA's Tribal Resilience Program

TRP Acting Coordinator/Science Coordinator: Rachael Novak
TRP Staff/Natural Resources Planner: Alyssa Samoy

TRP OVERVIEW, FUNDING, AND
COLLABORATIONS

Presentation Outline

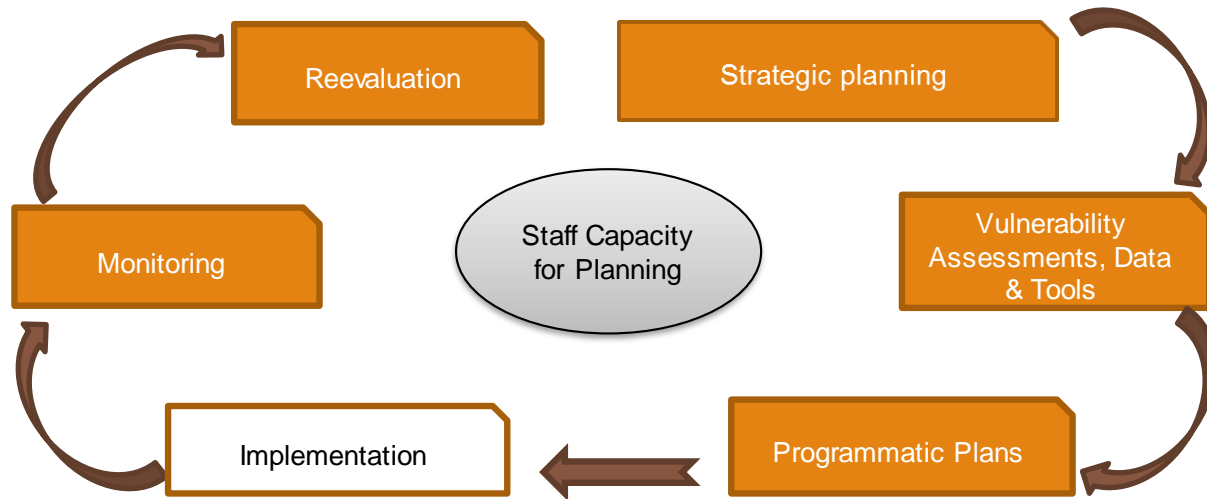
- TRP Overview: Technical and Financial Support
- What types of activities are supported?
- What types of collaborations have been successful?
- Category 6 funding





Tribal Resilience Program (TRP) Overview

- Program supports tribes in planning and prevention of/adaptation to risks posed by climate
- Where we invest: planning, training & new information for decision-making
- Program implementation is the program's responsibility



Tribal Resilience Program (TRP) Overview

Technical Support

Federal Coordination
Training
Online Resources
7 regional tribal resilience liaisons
GIS tech. resources

Financial Support

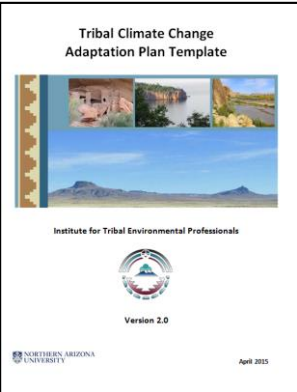
Training Development
Adaptation Planning
Travel support
Capacity building
Ocean & Coastal Planning & Mgmt



TRP Technical Support

TRP Technical Support- Training

- Focus: Tribal Climate Adaptation Planning
 - Training Partner: Institute for Tribal Environmental Professionals
 - 3 in-person trainings since 2016 (often partner w/ANTHC)
 - 2020 training TBD, stay tuned



Feb 2017 training, Institute for Tribal Environmental Professionals

TRP Technical Support- Liaison Network

Background

- BIA TRP funds 7 Resilience Liaisons
- Funded through Tribal Organizations
- Located at DOI's Climate Adaptation Science Centers (CASCs)
- Cover Indian Country and Alaska Native Villages

Serve as extension agents that:

- help tribes access information, data, and expertise at CASC
- facilitate research
- coordinate forums and information exchange

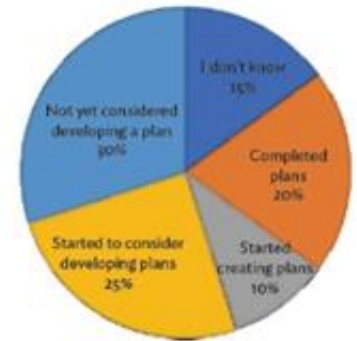


The network is part of a collaborative partnership



TRP Alaska Tribal Resilience Liaison

- Malinda Chase, Aleutian Pribilof Is. Association, AK Climate Adaptation Science Center, malindac@apiai.org
- Can support ongoing adaptation planning needs
- Provide feedback on grant applications to TRP
- Can connect tribal science needs to expertise
- Recent Regional Success:
 - Post-training Needs Assessment: to understand types of planning support AK tribes and staff need



Progress on Tribal climate adaptation planning among trainees (n=20). Source: USGS. 2019. Building capacity for tribal climate adaptation planning in Alaska: a post-training needs assessment.



BIA Regional TRP Contacts

- All 12 BIA Regions have a TRP Point of Contact
- Wear many hats!
 - TRP Funding- Bureau Project Officer
 - Small amount of regional funds
 - **BIA AK Regional Contact:**
 - Rosalie Debenham
 - rosalie.debenham@bia.gov



TRP Funding Program

Background on TRP Funding

- Since 2011, funded 544 awards projects with \$46.3 million
- Annual budget for awards ~\$8-8.5 million
- Yearly Request for Proposal (RFP) funding posted on Grants.gov
- Awarded as **federal grants** since 2018
- 2020 RFP funds solicitation TBD
- Webinar will follow release of RFP (recorded and posted online)
- **Since 2014, BIA Alaska Region received funding for 144 projects for ~\$11.57 million**

What do we fund?

From 2019 RFP

- Adaptation Planning
 - Cat 1: Training and Workshops (\$150,000 max)
 - Cat 2: Adaptation Planning and Data Dev. (\$150,000 max)
 - Cat 3: Travel Support for Adaptation Planning (\$15,000 max)
- Ocean and Coastal Planning
 - Cat 4: Ocean and Coastal Mgmt Planning (max \$150,000)
 - Cat 5: Travel Support for Ocean & Coastal (\$15,000)
- Capacity Building
 - Cat 6: Capacity Building to Develop Cat 2 (\$50,000 max)
- **Potential for changes in 2020 RFP**

Total Applications Received by Alaska Tribes and Tribal Organizations
(97 Applications from 53 Applicants)



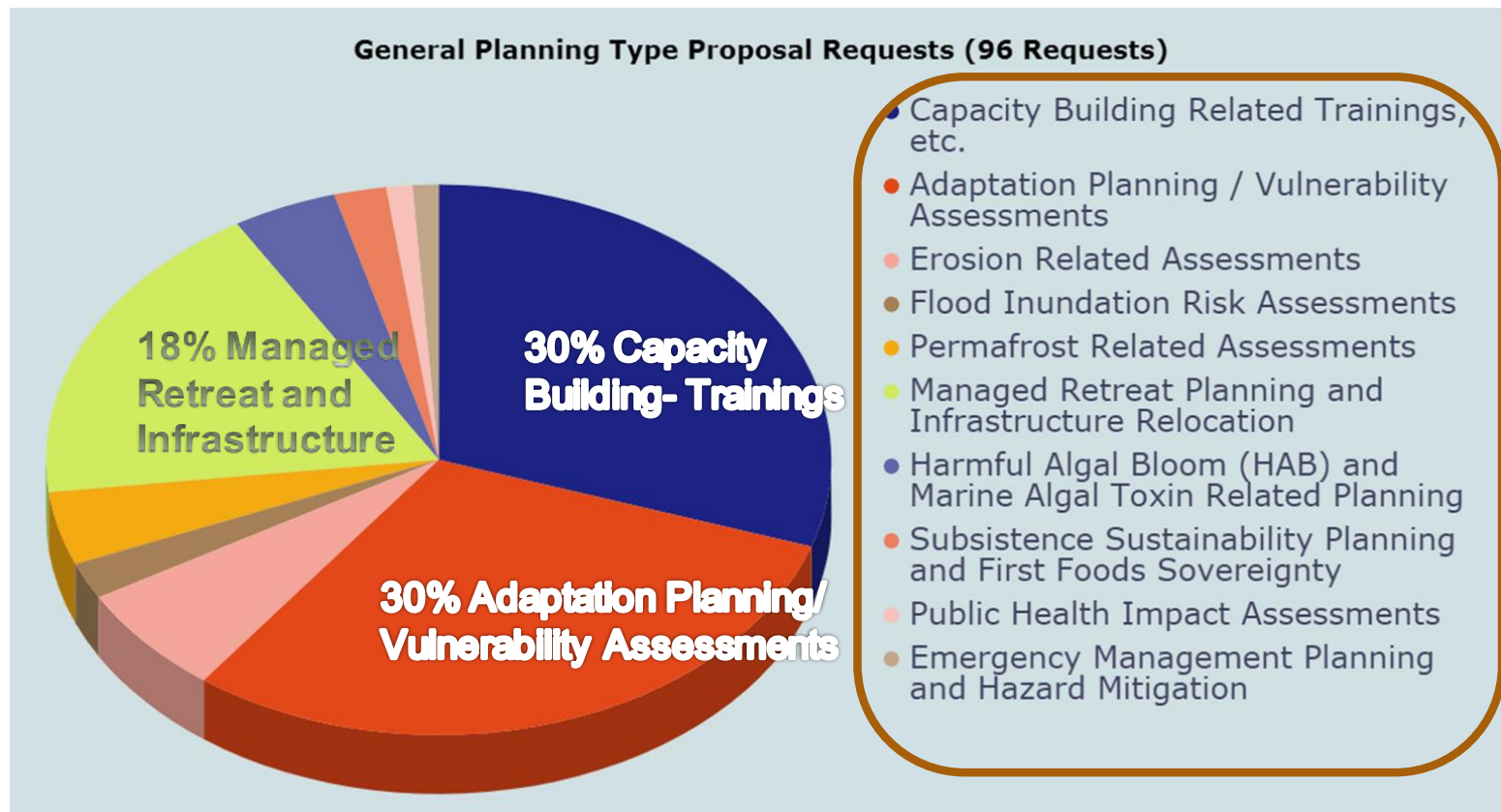
Tribal Resilience Program (TRP)

The funding can also support:

- expansion, protect-in-place, and relocation options for tribes facing intensifying coastal erosion, flooding and permafrost degradation impacts
- activities can include: analysis, monitoring, relocation planning, development of emergency drills and exercises, and the implementation of related actions identified in existing planning documents
 - however the development of, or mobility of, critical infrastructure are not allowed with this funding



Examples of what TRP can fund: AK proposals 2019



Note: Some Tribes were working on multiple focus areas, and sometimes these overlapped and Tribes had more than one focus area. Only one was assigned to each proposal. This chart represents the main focus area assigned to each application. Therefore, a few are under-represented.

Where to find more information

- RFP will be in [grants.gov](https://www.grants.gov) and also the Tribal Resilience website: <https://www.bia.gov/bia/ots/tribal-resilience-program>
- **Timing TBD for 2020, stay tuned, there will be a webinar as well (TBD)**

See 2019 example on TRP website:

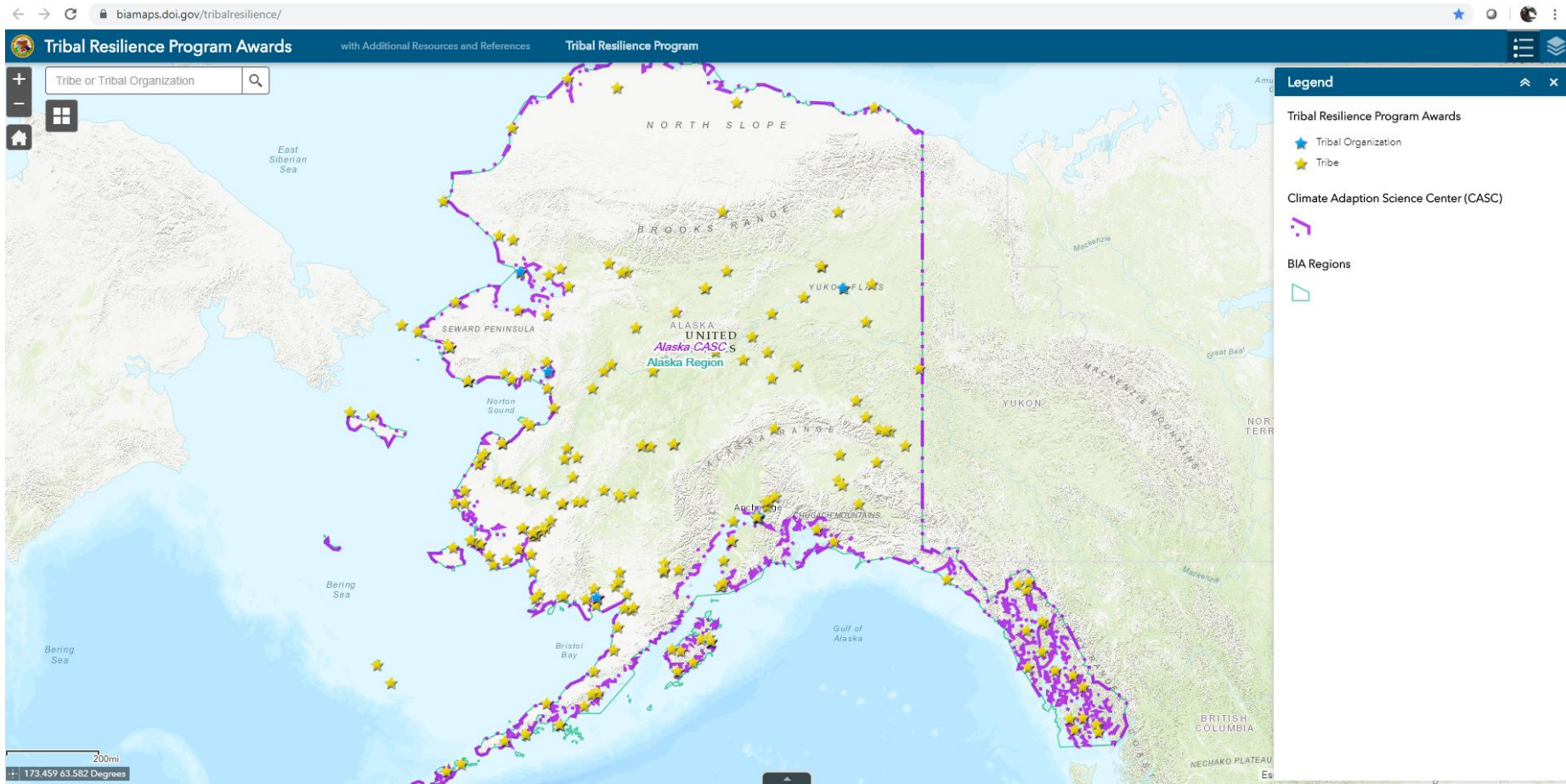
FY 2019 SOLICITATION RESOURCES

- **FY 2019 Application Kit - Tribes (pdf)** - Notice of Funding (proposal requirements)
- **FY 2019 Application Kit - Tribal Organizations and TCU's (pdf)** - Notice of Funding (proposal requirements)
- **Proposal Cover Sheet (fillable pdf)** - to aid in correct filing
- Optional Application Forms (fillable pdf) for:
 - **Category 3: Adaption Planning Travel Support**
 - **Category 5: Ocean and Coastal Management Travel Support**
 - **Category 6: Capacity Building**
- Original FY 2019 Funding Announcement Letter sent to Tribal Leaders (pdf)
- **BIA Regional Contacts (pdf)**
- **FAQ's for Proposal and Awards (pdf)**

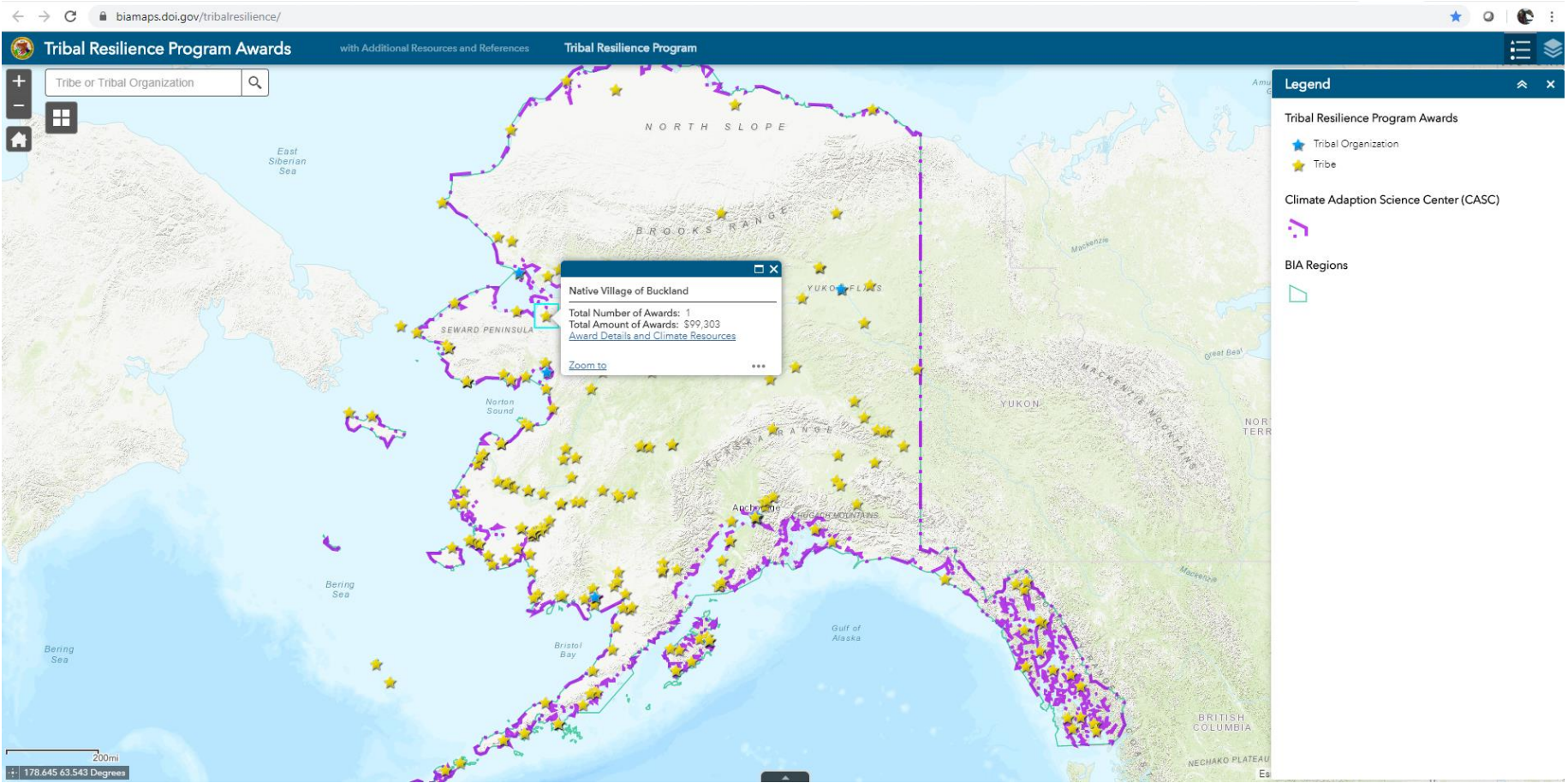


Examples of what has been funded- TRP

<https://biamaps.doi.gov/tribalresilience/>



Examples of what has been funded- TRP



Examples of what has been funded-TRP



Bureau of Indian Affairs Tribal Resilience Program 2019 Funding Awards Summary

Total Number of Awards: 119 **Total Amount Funded: \$8,731,454**

See awards summary
online 2011-2019!

<https://www.bia.gov/bia/ots/tribal-resilience-program>

Tribe: Native Village of Chuathbaluk **Amount Funded:** \$ 63,978

Title: *Native Village of Chuathbaluk Adaptation Plan*

Project Description: Native Village of Chuathbaluk wishes to develop an Adaptation Plan using the steps outlined in U.S. Climate Resilience Toolkit. The Plan will identify important components of the community and determine the risk of harm. The project will help Chuathbaluk address extreme events and harmful environmental trends that impact resources, economy, infrastructure, health and welfare.

Tribe: Native Village of Napakiak **Amount Funded:** \$147,811

Title: *Native Village of Napakiak Managed Retreat Planning*

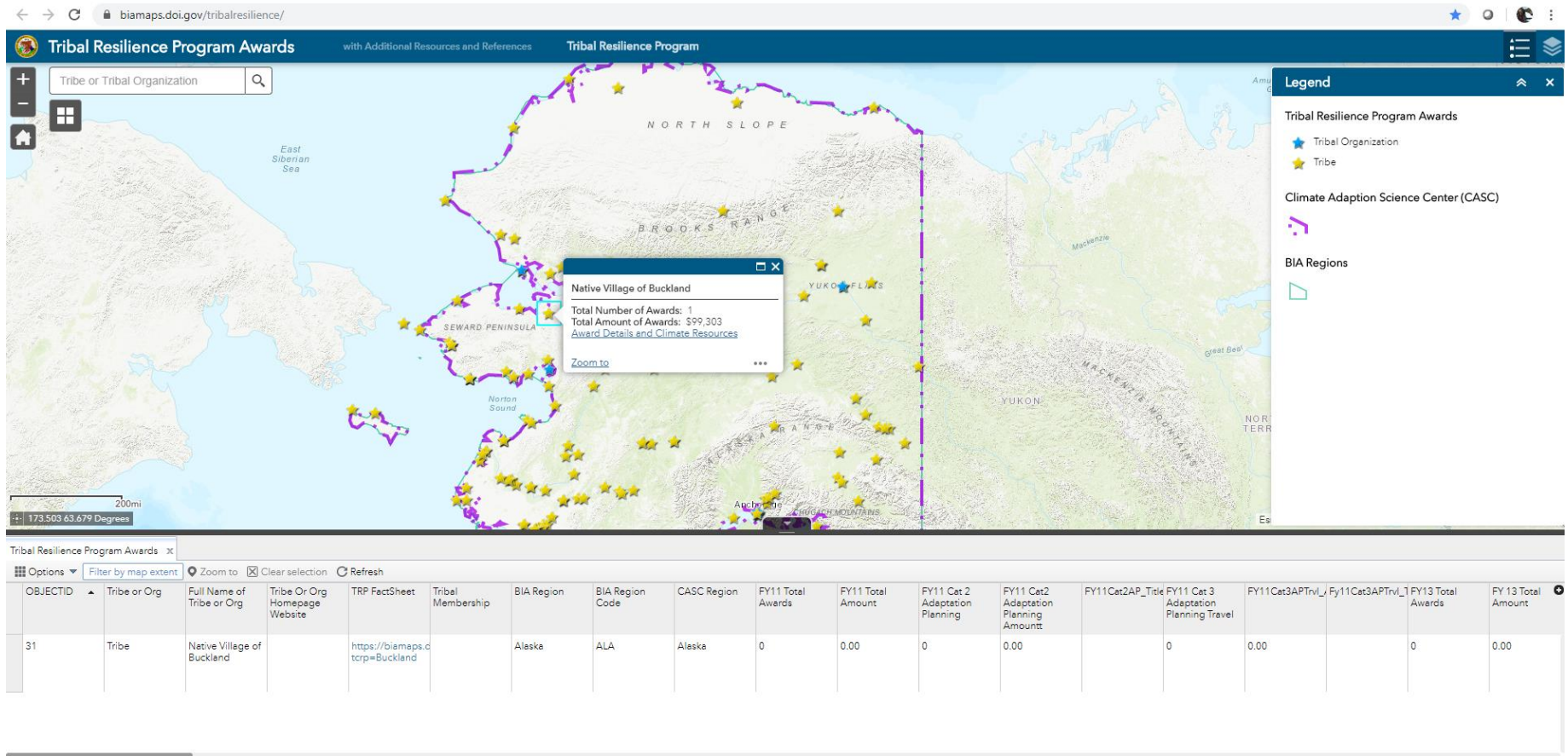
Project Description: Native Village of Napakiak is on an island and due to the severity of environmental threats, the community is forced to retreat to another location. The goal of the project is to ensure essential science for planning efforts and increase the Tribe's capacity to manage the retreat to a new site.

Tribe: Native Village of Nunapitchuk **Amount Funded:** \$148,275

Title: *Native Village of Nunapitchuk Permafrost Vulnerability Assessment*

Project Description: Native Village of Nunapitchuk is relocating to another site due to erosion, permafrost degradation, and flooding. The Tribe plans to produce a vulnerability assessment to predict and address the expected severe impacts in their coastal community.

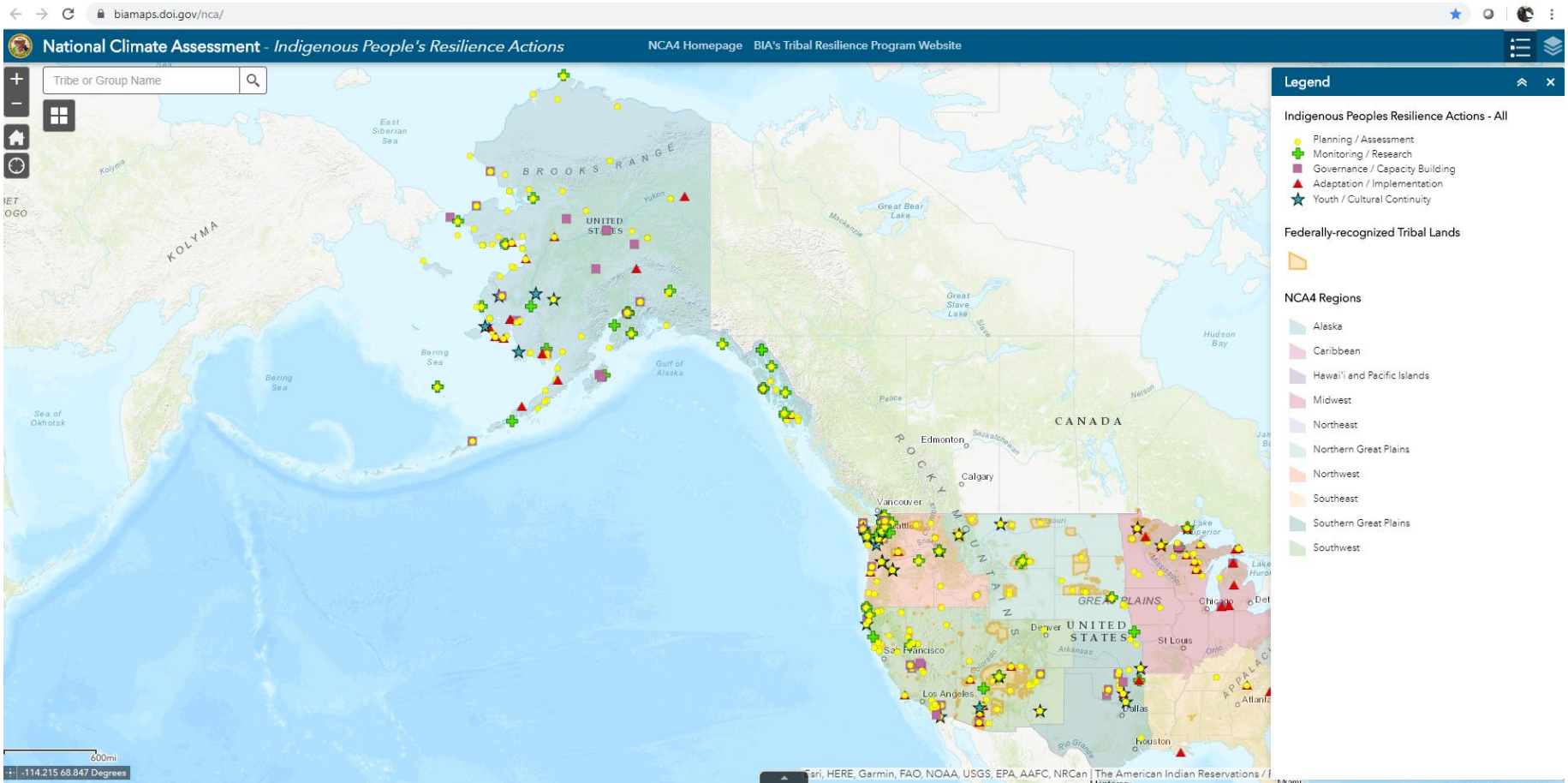
Examples of what has been funded-TRP



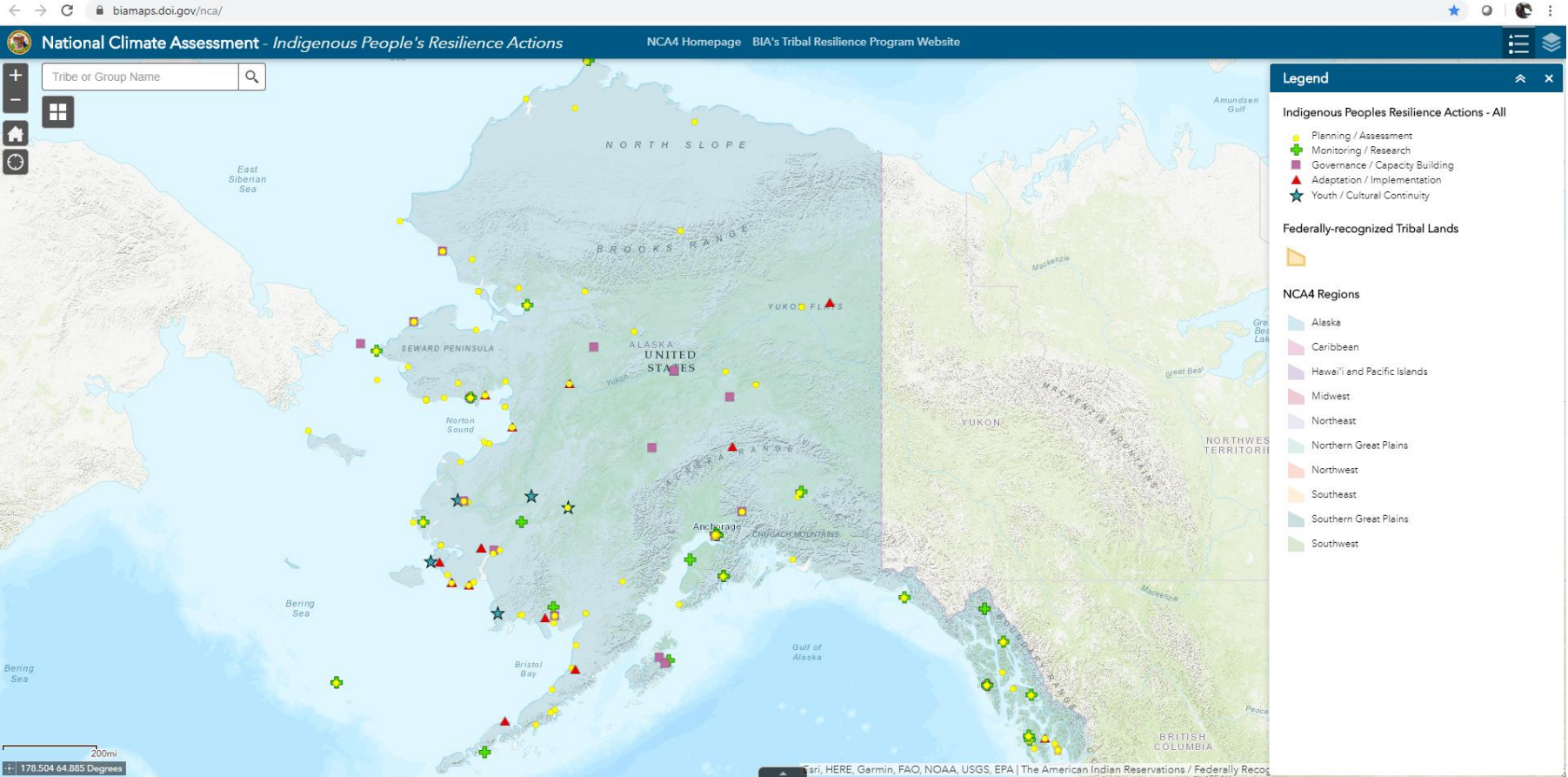
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Examples of what has been funded- NCA4 Map

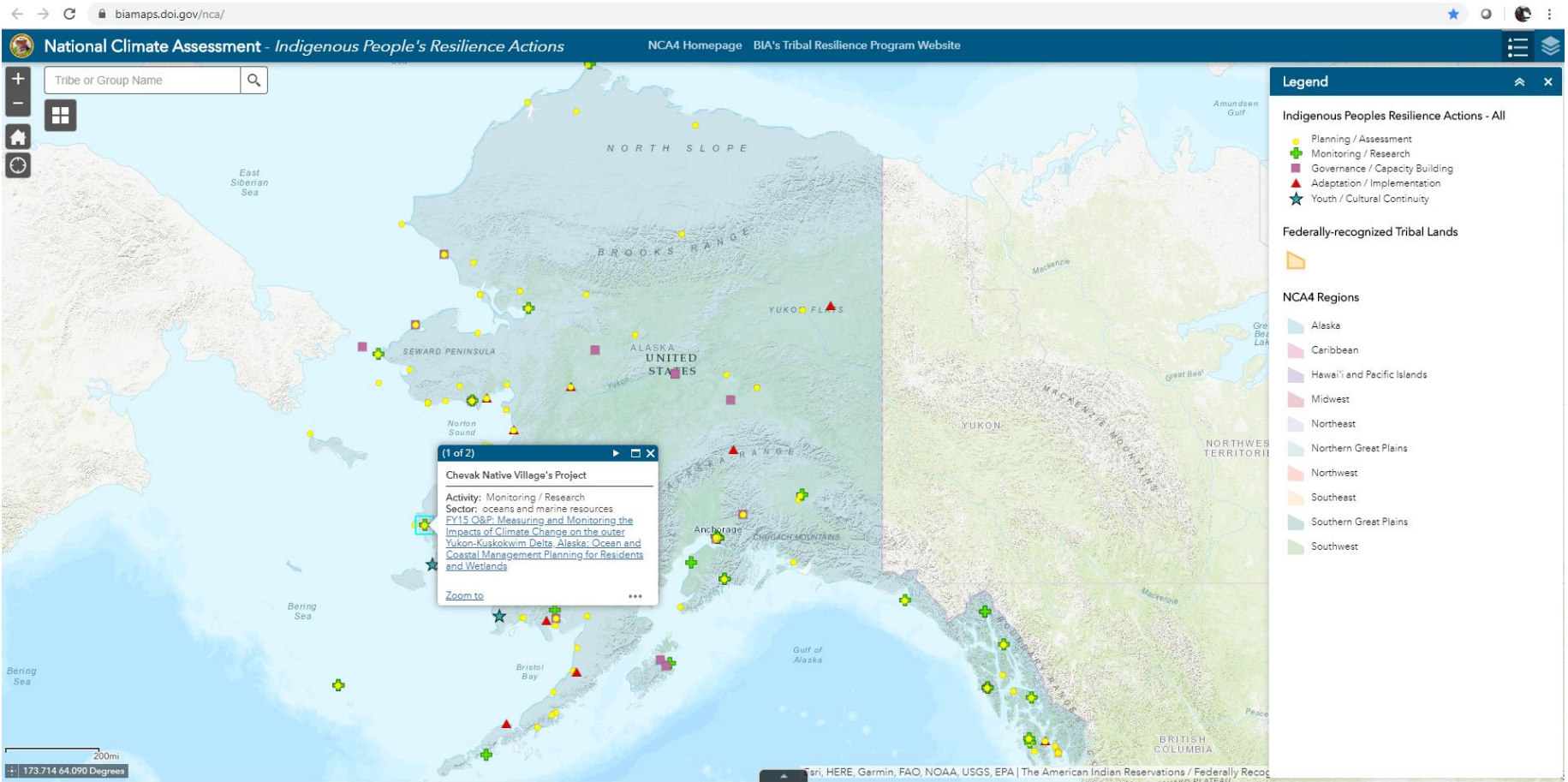
<https://biamaps.doi.gov/nca/>



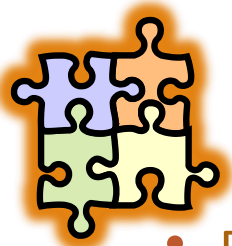
Examples of what has been funded- NCA4 Map



Examples of what has been funded- NCA4 Map



**What types of collaborations have
been successful?**



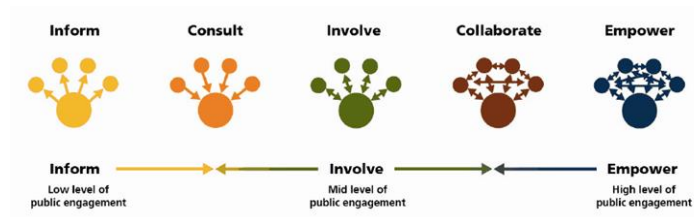
Successful Collaborations- General

- Partnerships (tribal, state, federal, academic, non-profit, cities and village corporations, etc.)
 - Access needed technical expertise (where meets current needs)
 - Build capacity
 - Leverage resources (= supplemental points in scoring)
 - Provide broader benefits (= supplemental points in scoring)
 - Some are necessary- E.g., if a tribe is proposing to do infrastructure risk planning but the infrastructure is owned and operated by the city or village corporation, are they working w/that entity in planning and are there letters of support?
- Make sure you're involved (so end product meets needs)



Successful Collaborations-General (cont.'d)

- Discuss elder and youth involvement!
- Get leadership on board
- Elaborate on community involvement and reporting methods to the community- how will they be involved



- Explain capacity-building features of proposed work (e.g., trainings for staff)
 - Some planning involves outside expertise- such as the hiring of a contractor.
 - If so, expand on that relationship and direct tribal involvement with the contractor
 - How is the expertise and end product related to tribal capacity building?



Mechanism for Regional Partners (cont.'d) Cooperative Ecosystem Studies Units (CESUs)

Want to partner with expertise at a university?

BIA partnership in the CESU network

- allows tribes to access to expertise at a low 17.5% indirect cost rate= more funds to support project

See if your partner is at a participating institution

- <http://www.cesu.psu.edu/>

Write it into your proposal





Tribal Resilience Program (TRP)

- Helpful list of regional partners:

https://www.bia.gov/sites/bia.gov/files/assets/bia/ots/tcrp/TRPcontacts_1218.pdf

- CASCs, LCCs, RISAs, USDA Climate Hubs
- BIA Tribal Resilience Program POCs
- Rosalie Debenham, BIA AK Office
- Tribal Resilience Liaisons at DOI Climate Adaptation Science Centers (CASCs)



 		Bureau of Indian Affairs (BIA) Tribal Resilience Program (TRP) BIA TRP National and Regional Contacts
BIA Tribal Resilience Program Coordinator - for national BIA TRP Program questions and federal coordination Rachael Novak, rachael.novak@bia.gov , 202-219-1652 1848 C St. NW, MIB 4631, Washington DC, 20240 BIA TRP Federal-wide Resources and IT / GIS Support: David O'Donnell, GISP, david.o'donnell@bia.gov , 303-231-5249		
BIA Tribal Resilience Regional Contacts Regional POC / Alternate(s) - For questions on 638 resilience-related contracts, funding, training, and BIA resilience projects Tribal Resilience Liaisons - Serving at the Climate Science Center regional scale, sponsored by an inter-tribal organization, liaisons provide technical assistance / extension services / CSC integrated research for area Tribes through an annual work plan Landscape Conservation Cooperatives: LCCs provide resilience data & projects through partnerships across large landscapes		
BIA Alaska Region	AK CSC Tribal Liaison	Regional Resilience Resources
POC: Rosalie Debenham rosalie.debenham@bia.gov 907-586-7444 Alternate: Keith Kahlan keith.kahlan@bia.gov	Malinda Chase malinda@apal.org , o: 907-474-2768, c: 907-460-8438 Through Aleutian Pribilof Islands Assoc; for the Alaska Climate Science Center (hosted site) / IARC University of Alaska Fairbanks (930 Koyukuk Drive) PO Box 757340, Fairbanks, AK 99775	Landscape Conservation Cooperatives: Aleutian and Bering Sea Islands, Arctic North Pacific (SITC), Northwest Boreal, Western Alaska (AK wide CPA; for data sharing)
BIA Eastern Region	Eastern Tribal Liaison	Regional Resilience Resources
POC: Harold Peterson harold.peterson@bia.gov 915-564-6838 Alternates: Chester McChes, chester.mcchese@bia.gov and Leonard "Lindy" Rawlings leonard.rawlings@bia.gov	Casey Thornbrugh (cthornbrugh@usafinc.org , c: 615-589-1629) Through the United South and Eastern Tribes, Inc. for the Northeast CSC (hosted site) & Southeast CSC (hosted site) Northeast Climate Science Center, U. of Massachusetts 233 Morrill Science Center (mail) [126A/office] 611 North Pleasant Street, Amherst, MA 01003-9297 Midwest Tribal Liaison for NE CSC: Sara Smith ssmith@menominee.edu , 920-202-6278 Through CMN Sustainable Development Institute for the Northeast Climate Science Center (hosted website) USFS - Northern Forest Research Station, St. Paul, MN 55108	Landscape Conservation Cooperatives: Appalachian Gulf Coast Plains & Ozarks (CPA), Gulf Coast Plains (CPA), Peninsular Florida, South Atlantic, North Atlantic, Upper Midwest & Great Lakes, Great Lakes Restoration Initiative
BIA Eastern Oklahoma	SC CSC Tribal Liaison	Regional Resilience Resources
POC: Allison Ross allison.ross@bia.gov 918-781-4660 Alternate: Lisa Ahevl lisa.ahevl@bia.gov	April Taylor/ April.Taylor@choctaw.nsn.gov tel: 580-235-7430 Chickasaw Nation / Choctaw Nation Consortia Member South Central CSC (hosted website)	Landscape Conservation Cooperatives: Eastern Tallgrass Prairie and Big Rivers, Gulf Coast Plains & Ozarks (CPA), Gulf Coast Plains (CPA)
BIA Great Plains	North Central CSC Tribal Liaison	Regional Resilience Resources
POC: Diane Mann-Klagner diane.mann-klagner@bia.gov 605-226-7621 Alternate: Wayne Stone wayne.stone@bia.gov	Stefan Tangen Stefan.Tangen@gmail.com , 907-487-5127 North Central Climate Science Center (hosted website) Dr. Robin O'Malley, Director, USGS, romalley@usgs.gov Dr. Shannon McNeely, NC CSC Tribal Project Lead Shannon.McNeely@colorado.edu , 970-491-1852	Landscape Conservation Cooperatives: Plains & Prairie Potholes, Great Plains, Missouri River Recovery (Tribe)

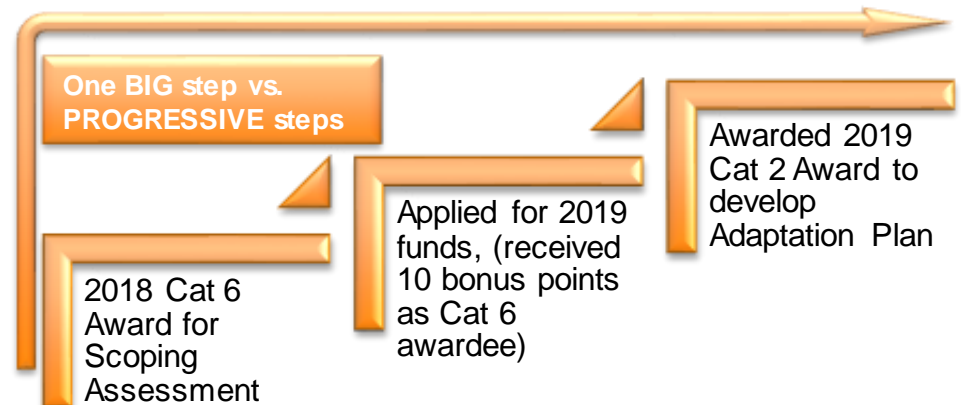
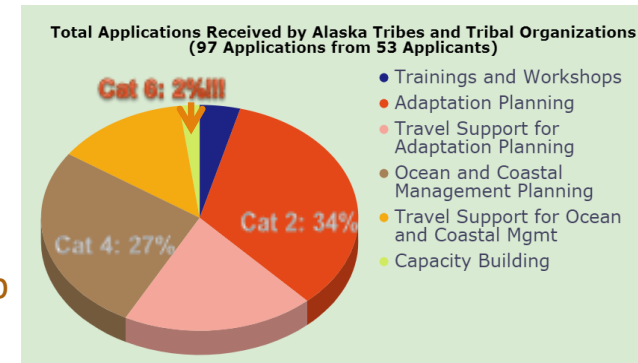
A Note on Category 6

- Focus is on Capacity Building to Develop Cat 2 in future funding cycles (\$50,000 max in 2019)
- Allows for half to full-time staff to focus on coordinating a scoping needs assessment
- Benefits
 - Fewer applications- not open to all- only those who have not received a larger award previously can apply
 - Gives additional (one-time) **10 points** to Category 2 applications in future funding cycles- can make a big difference in a very competitive field
 - Often a more appropriate foundation/starting point for tribes just starting out
 - Do not discount the lower award amount, can be a doorway to more funds in future funding cycles



Cat 6 Example: A Step-wise Approach

- **2018:** Chilkat Indian Village
- Amount Funded 2018: \$ 50,000
- Title: Building the Capacity of the Chilkat Indian Village to Develop an Adaptation Plan for the Chilkat River Valley Project
- Description: Supported a part-time position over a year to build tribal capacity by coordinating a tribal adaptation planning process for the Chilkat River Valley and coastal areas. Built the capacity of the Chilkat Indian Village, as well as the Chilkoot Indian Association. Plan to develop a Cat 2 proposal in 2019.
- **2019:** Chilkat Indian Village funded \$149,350
- Funded to coordinate the development of a Chilkat River Valley Tribal Adaptation Plan and ultimately protect the long-term vitality of the Village of Klukwan



A Few Take-home Points

- **BIA's TRP can provide technical and financial support but...**
 - Focus is on planning, not implementation, need other resources for implementation
 - Grants can be helpful for managed retreat, site expansion, or relocation planning and design
- **Contact available technical resources for support** (AK liaison, POC, CESU, web tools, ACCAP, AK CASC, ANTHC, AK DDGS Coastal Hazards Pgm, etc.)
- **Consider a step-wise approach- appropriate to capacity level**
 - Category 6 Capacity-building may be best approach if starting out (bonus points)
 - Category 3 or 5 Travel grant to access training and build capacity
- **See TRP geospatial resources for examples of what has been funded**
- **Consider ways to strengthen collaborations** (communicate to fully benefit from partner expertise, leverage resources, build capacity, create broad benefits, ensure end product meets needs of your community, etc.)

Links to Tools and Resources

[BIA Tribal Resilience Homepage](#)

<https://www.bia.gov/bia/ots/tribal-resilience-program>

[Tribal Resilience Award and Reference Web Map-](#)

<https://biamaps.doi.gov/tribalresilience/>

[National Climate Assessment Actions Web Map-](#) <https://biamaps.doi.gov/nca/>

[Tribal Resilience Resource Guide](#)


<https://biamaps.doi.gov/tribalresilience/resourceguide/>

[US Climate Resilience Toolkit-](#) <https://toolkit.climate.gov/topics/tribal-nations>

[BIA Tribal Resilience Award Funding Solicitation](#)

[See homepage](#)

Ahe'hee'!/Thank you! And Contact Info



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Rosalie Debenham, AK Tribal Resilience POC
(among other hats!)
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Rosalie.debenham@bia.gov

Malinda Chase, AK Tribal Resilience Liaison
Aleutian Pribilof Islands Association and
Alaska Climate Adaptation Science Center
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Capacity & Training

Building capacity to enhance local environmental management



Tribal Capacity & Training

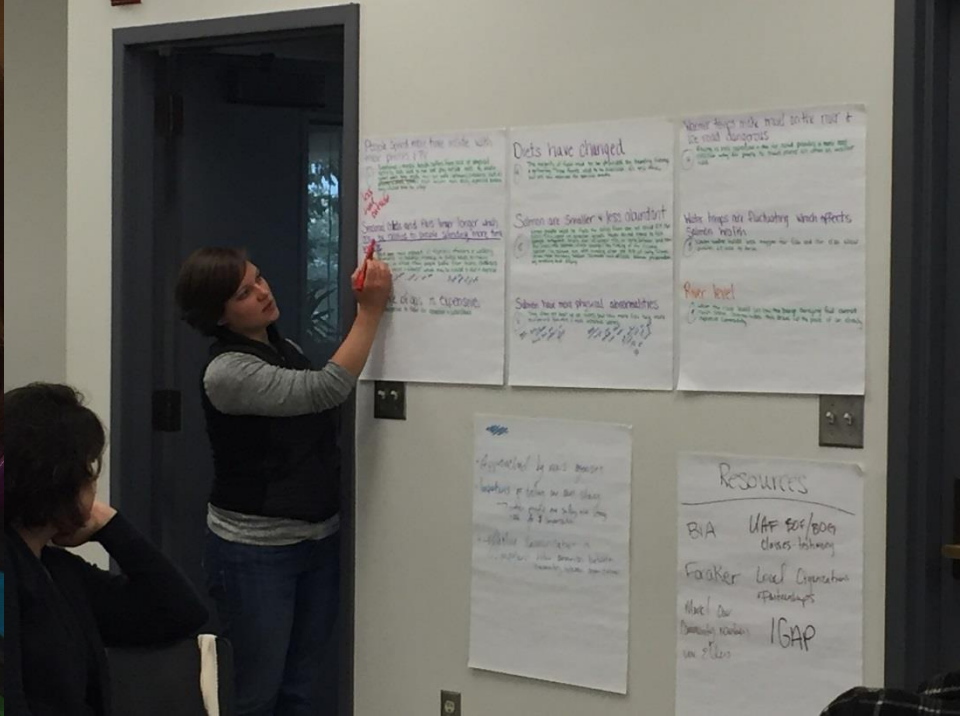
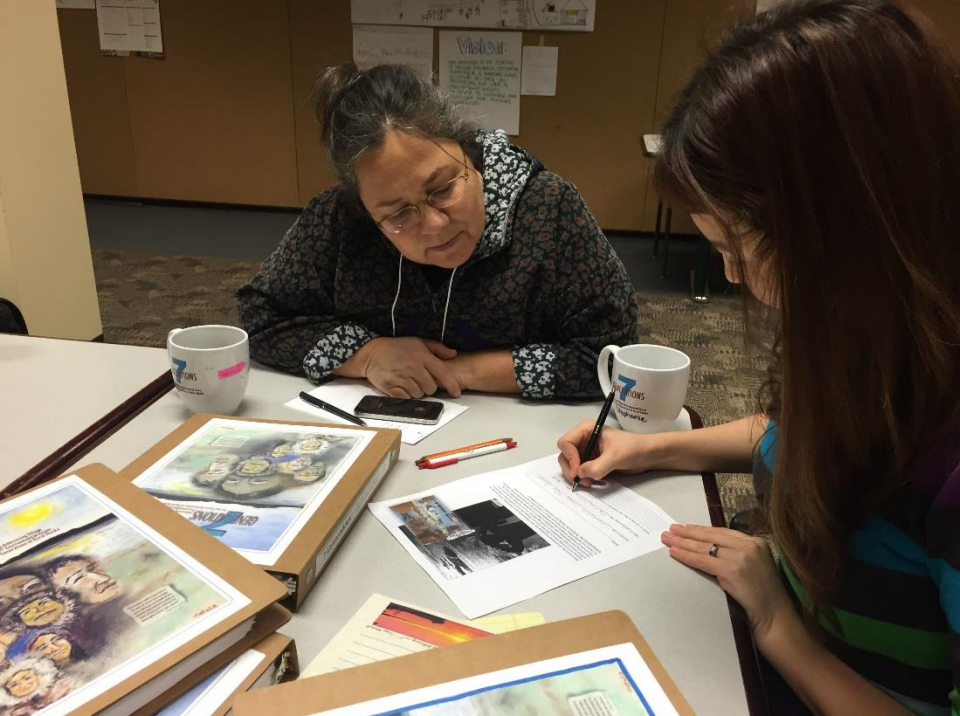
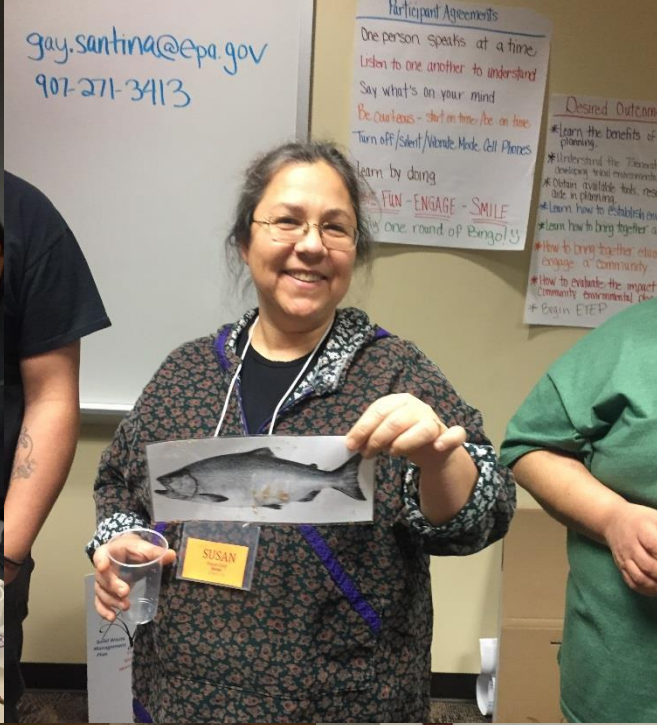
(907) 729-3492

(907) 729-4043

ceh@anthc.org



**ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM**



7 Generations

Participants will learn a community-based approach for developing local environmental plans. The training focuses on team building, community involvement, identifying environmental concerns that can impact health, and learning about ways to address local issues.

Project Development

Hands on project development workshop based on what is identified in a Tribe's EPA Tribal Environmental Plan (ETEP)

** Pre-work will be assigned and must be completed prior to attending the workshop.

Climate Change Adaptation Plan Development

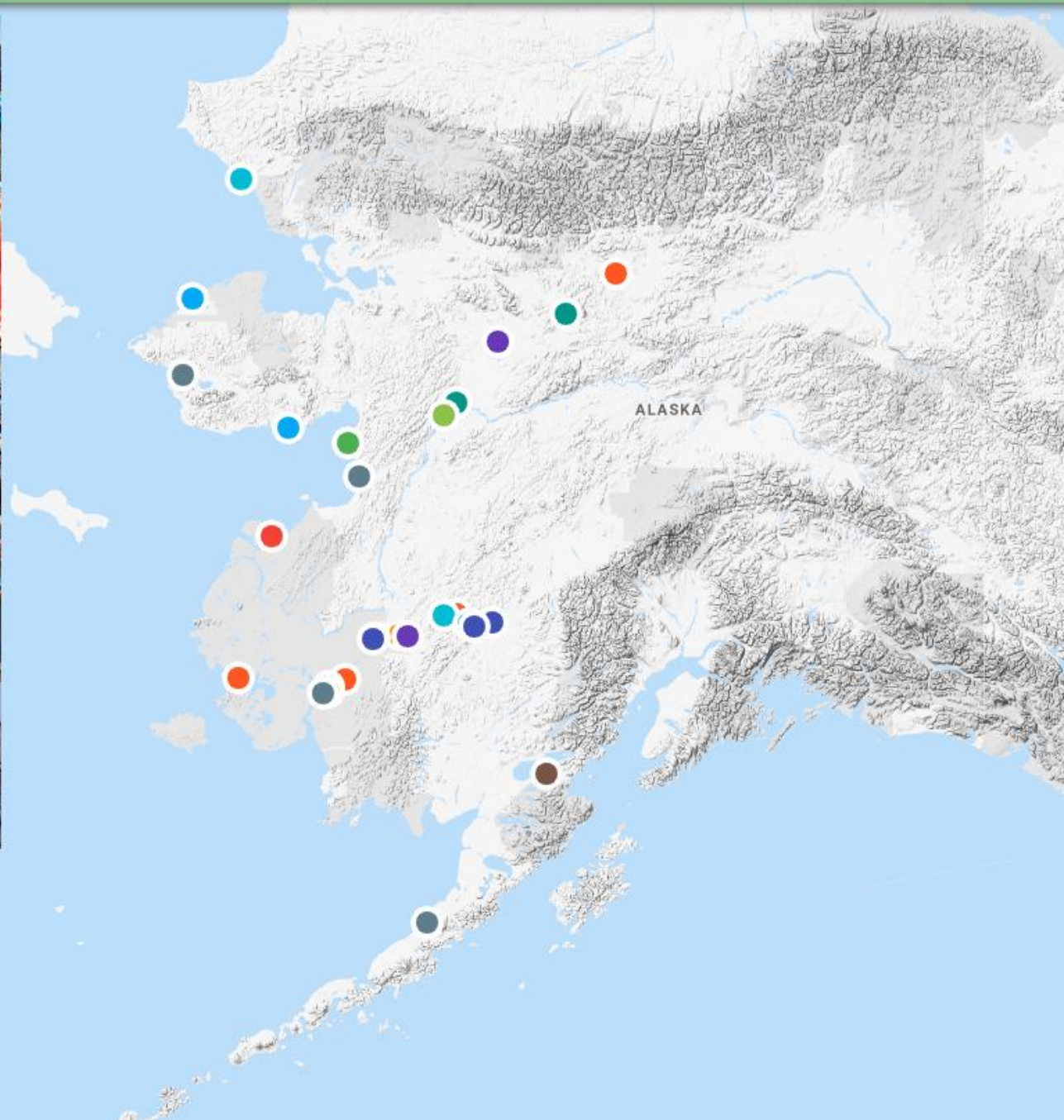
This training is based off of the 7 Generations plan development process, but is oriented toward understanding the environmental changes happening in your community, and developing a plan to address those changes.



**ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM**



7G Climate Change Adaptation Workbook



Food Security Goal: Increase the availability of cost effective foods by increasing Meshik Farm yield

Description:

Port Heiden residents began the Meshik Farm in 2015. Building off a history of traditional reindeer herding, a total of 39 reindeer were flown to the community farm from Stebbins/St. Michaels. They graze within a fenced area over a tundra segment, adjacent to the village, feeding on the local vegetation and a specialized reindeer pellet. In addition to the reindeer herd, the Meshik Farm also raises rabbits, chickens, and pigs. Animal pens are constructed through creative re-use of materials. Warming temperatures have increased the growing season, opening the possibility of expanding agriculture opportunities to both feed livestock and provide vegetables to residents.

Public Health Impact:

- Variability in subsistence harvest, including salmon health, has caused residents to rely more heavily on shelf-stable foods and meat flown in from urban areas at a high cost.

Public Health Benefit:

- Creation of vegetable garden plots provide a source of produce
- Barley and other fodder crops decrease the cost of raising livestock and increase livestock yield (i.e. meat, milk, eggs)
- Reduce the cost of healthy foods

Economic Benefit:

- Sale of produce and animal products can support local jobs

Short Term Actions



Network with other communities supporting gardens to develop best practices

ACTIVE



SNAP Chart Port Heiden Alaska
rcp85 standard prism 2km hire



SNAP Chart Port Heiden Alaska
rcp85 standard prism 2km hire



Snow Water Equivalent Port H



SnowPack Vulnerability Port H

Purpose of the Center for Environmentally Threatened Communities

We support residents of rural Alaskan communities who are experiencing infrastructure impacts due to flooding, erosion, and permafrost degradation

Project development and coordination

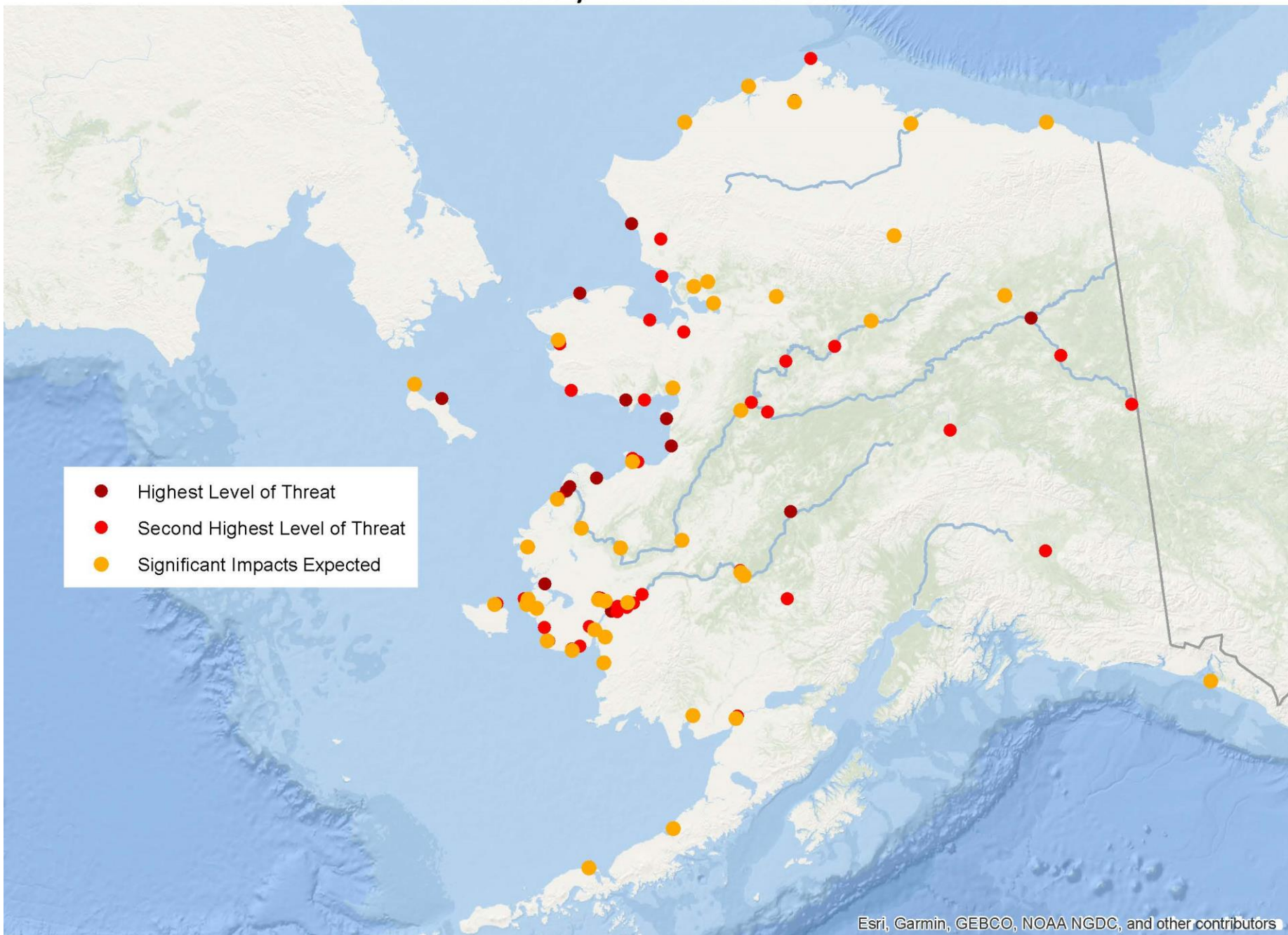
Grant writing

Technical assistance

Training



Environmentally Threatened Communities



Our Work – Napakiak, Alaska



Understanding Risk: Risk assessments related to erosion, flooding, and permafrost degradation; data collection; erosion monitoring; etc.

Planning: Community planning meetings, community coordinator position

Implementation: Develop a new subdivision site and relocate threatened infrastructure

How CETC Can Support Your Community

We can support non-ETCs with:

- Call 729-5684 any time for free technical assistance
 - “We need to move five houses”
 - “We want a sea wall”
 - “We want to relocate”
 - “How we get started addressing erosion, flooding, and permafrost?”
- [Subscribe to our newsletter](#) for relevant resources and to learn what other communities are doing
- Templates for grant applications
- Connecting you to trainings, technical experts, and other resources



Contact Us:

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