

Tribal Climate Resilience Resource Guide

<http://toolkit.climate.gov/tribal>

USER MANUAL

Tribal Climate Resilience Resources

TRAINING

PLANNING

FUNDING

AGENCIES

REGIONS

TRIBES

TKS / TEK

YOUTH

<http://toolkit.climate.gov/tribal>

Contact Us / Provide Feedback

Tribal Climate Resilience Fact Sheet
Qawalangin Tribe of Unalaska

Tribe: Qawalangin Tribe (Unalaska) | BIA Region: Alaska | State: Alaska | Fact Sheet: Fact Sheet

Names (Federal Register): *Qawalangin Tribe of Unalaska*

Federal Links: Select the Agency Acronym for the full Agency Fact Sheet and the link to its right for a more specific regional contact or homepage.

Tribe: Official Website (or groupsite)	BIA Region: Alaska Regional Fact Sheet Alaska Regional Office	DOE: AK
CSC: Alaska	LCC: Aleutian and Bering Sea Islands	FWS: Alaska
USDA CLIMATE HUB: Pacific Northwest	USDA NRCS, USDA USFS: Alaska	NOAA: Region, RISA: ACCAP
EPA: R10	FEMA: R10	HUD: Alaska

Awards

- FY15 Ocean and Coastal Management Planning
- FY15 Travel (Ocean and Coastal)

Documents

- Alaska Public Article: Aleutian Islands' ancient villages, volcanoes slowly reveal their secrets
- APIAI Profile: Unalaska
- Climate Change and Increased Vessel Traffic Concerns
- Unalaska All-Hazard Mitigation Plan

Examples

- Student Paper: Global Warming Effects on Fishing in Unalaska

Groups

- Aleut Corporation
- Aleutian Pribilof Island Association
- City of Unalaska (Intl Port of Dutch Harbor)
- Ounalashka Corporation

Tools

- Aleutian and Bering Climate Vulnerability Assessment (ABCVA)
- Aleutian Islands Risk Assessment

Data & Maps

- SNAP Community Climate Charts: Historical & Projected Temperature & Precipitation
- Alaska Climate Story Map (Request Sign-in using Contact Us / Provide Feedback)

About

Contact Us / Provide Feedback

Getting Started

Building Tribal Resilience

Using the Tribal Climate Resilience Resource Guide

(TCR RG)

<http://toolkit.climate.gov/tribal>

Prepared for the
[Whitehouse Council on Native American Affairs](#) (WHCNAA)
Climate Subgroup

Prepared by the
Bureau of Indian Affairs [Tribal Climate Resilience Program](#) (BIA TCRP)



April
2016

TCR RG Tips and Tricks Revealed!

- Which [Agency Tribes & Climate](#) Resources can help our Tribe or Alaska Native community contend with climate impacts and help plan and implement adaptation strategies?
- Which [Regional Tribes & Climate](#) Resources can help us learn about specific climate impacts, [data](#), solutions, and area intertribal and academic partners that can help us?
- How can [Tribal](#), [Tribal College](#), and [Intertribal Fact Sheets](#) lead me to site-specific agency contacts, resources, [examples](#) and plans to draw from to address our climate concerns?
- Why are [Training](#), [Planning](#) and [Funding](#) links organized into six strategies by *U.S. Climate Resilience Toolkit Tribal Nations Topic*, subtopics: [Assessment and Planning](#), [Adaptation](#), [Mitigation](#), [Disaster Risk Reduction](#), [Relocation](#), and [Capacity Building](#)?
- Why focus on both [Youth](#) and [Guidance for Appropriate Incorporation](#) of [Traditional Knowledges \(TKs / Traditional Ecological Knowledge – TEK\)](#) in climate change initiatives?

<http://www.data.gov/climate/tribal-nations>

DATA TOPICS - IMPACT APPLICATIONS DEVELOPERS CONTACT

CLIMATE - TRIBAL NATIONS

Themes Data Resources Challenges Feedback

Tribal Nations Maps

The Tribal Nations Map Gallery includes printable PDF wall-map versions (24x36) of the Indian and Ceded Lands Web Services found in the data tab.

The Map Gallery also includes interactive maps from federal partners, intertribal groups, and a tribal climate map showcase of example work products to inform climate resilience efforts of tribes, Alaska Natives, and other diverse communities nationwide.

Indian Lands in the United States

Indian Land Areas Judicially Established 1978 and American Indian Reservations

DOE Tribal Energy Programs

Great Lakes Indian Fish and Wildlife Commission Maps

TRIBAL NATIONS IN AGENCY-WIDE FEDERAL SYSTEMS LINKED TOGETHER THROUGH THE TCR RG

U.S. Climate Resilience Toolkit

Get Started Taking Action Tools Topics

About | Contact | Funding Opportunities | FAQ Search

Topics > Tribal Nations >

Tribal Nations

Key points:

- Climate change impacts are projected to be especially severe for many of the 567 federally recognized tribes in the United States that depend on traditional places, foods, and lifestyles.

Tribal Climate Resilience Resources

TRAINING PLANNING

FUNDING TKS / TEK

AGENCIES YOUTH

REGIONS TRIBES

FY16 WHCNA Climate Subgroup Inventory Provide Feedback

<http://toolkit.climate.gov/topics/tribal-nations>

<http://toolkit.climate.gov/tribal>

Start at the TCR Resource Guide (Landing Page)⁵

<http://toolkit.climate.gov/tribal>

Tribal Climate Resilience Resources

TRAINING

PLANNING

FUNDING

TKS / TEK

AGENCIES

YOUTH

REGIONS

TRIBES

<http://toolkit.climate.gov/tribal/>

Contact Us / Provide Feedback

From the [Tribal Climate Resilience Resource Guide Landing Page](#), select one of the eight topics (circles) to explore resources. Choose [Agencies](#), [Regions](#), or [Tribes](#) to visit specific listings or choose a topical webpage: [Youth](#), [Funding](#), [Training](#), [Planning](#), or [Traditional Knowledges \(TKs\) / Traditional Ecological Knowledge \(TEK\)](#).



Bureau of Indian Affairs

TRIBAL CLIMATE RESILIENCE PROGRAM



Go to <http://www.bia.gov/> and select **Category: Climate Change / TCR**

Spring/Summer 2016 K-12 BIA/BIE Tribal Student Climate Change Photo Contest and 2015 Summer and Fall Contest Winners



- Join! the Tribal Climate Change Photo Contest (PDF flyer)

DUE April 30th (2016 Spring Contest) or August 26th (2016 Summer Contest)

Using a classroom or cell phone camera, take a picture of things of value in your community that climate change might affect, include a climate caption, and submit the photo or questions by e-mail to: bia_climate_photo_contest@bia.gov or by teacher's class instructions. Categories: K-5, 6-8, & 9-12.

- 2015 Summer and Fall Tribal Student Photo Contest Award Winners (pdf)

- ▶ USDA Climate Hubs
- ▶ Climate Action Framework
- CLIMATE MAPS
- ▶ Indian Lands
- ▶ Ceded Lands
- BIA TCR PROGRAM PRODUCTS
- ▶ News! - Youth CC Gathering
- ▶ Download Program Brochure
- ▶ Tribal Climate Resilience Resource Guide

Access the Tribal Climate Resilience Resource Guide here

In addition to the direct link, agencies participating in the WHCNA Climate Subgroup may also provide a link to the TCR RG from their *Tribes* and / or *Climate* webpage.

TCR Resource Guide Listing Pages -1. [Agencies](#)



Tribal Climate Resilience Resources

Agency Program Quick Links

Agency Full Fact Sheets

DOI



Department of the Interior

- ▶ Tribal Climate Resilience Program (BIA TCRP)
- ▶ Climate Science Centers (CSCs)
- ▶ Landscape Conservation Cooperatives (LCCs)
- ▶ NCTC Climate Training (FWS)
- ▶ Native American Programs (FWS)
- ▶ Climate and Land Use Change (USGS)

- ▶ DOI Climate Science Centers (CSCs)
- ▶ DOI Indian Affairs (BIA)
- ▶ Landscape Conservation Cooperatives (LCCs)
- ▶ U.S. Fish and Wildlife Service (FWS)
- ▶ Bureau of Land Management (BLM)
- ▶ Bureau of Ocean Energy Management (BOEM/BSEE)

EPA



Environmental Protection Agency

- ▶ Tribal Environmental Programs (EPA)
- ▶ Climate Change Science (Causes, Indicators)
- ▶ Impacts and Adaptation by Region or Sector
- ▶ State and Local Climate and Energy Program
- ▶ Clean Power Plan Regulations
- ▶ Tribal Info & Mapping Tool (T-FERST)

- ▶ Environmental Protection Agency (EPA)

USDA



U.S. Department Of Agriculture

- ▶ Climate Hubs (USDA)
- ▶ Office of Tribal Relations (USDA)
- ▶ Climate Change Adaptation to Variability (NRCS)
- ▶ USFS Tribal Relations
- ▶ Climate Adaptation Framework (USFS)
- ▶ AIAN Programs (Rural Development)

- ▶ USDA Climate Hubs
- ▶ USDA Natural Resources Conservation Service (NRCS)
- ▶ USDA U.S. Forest Service (USFS)

DOE

- ▶ Tribal Energy Program Funding Opportunities

- ▶ DOE Tribal Energy Program

Choose the [Agencies Icon](#) on the TCR RG Landing page to get to *Quick Links* that provide a few primary *Tribes & Climate* items, and its [Full Fact Sheet](#) for more details.

Agency Fact Sheet: *Example* - NOAA

Tribal Climate Resilience Resources - AGENCY CLIMATE RESOURCES National Oceanic and Atmospheric Administration (NOAA) FACT SHEET

Orientation

NOAA works with a variety of Tribal Nations and Organizations on a diverse array of marine and coastal concerns. Regional Centers also provide climate trends and weather forecasts nationwide.

Services

- AASC Climate Service Catalog (Partner)
- Climate At National Weather Service (NWS)
- National Integrated Drought Information System (NIDIS)
- NOAA Climate.Gov Dashboard, News, Maps, Support
- NOAA Fisheries Tribal Consultation In Alaska
- NOAA Regional Climate Centers
- NOAA Regional Integrated Science And Assessment Programs (RISAS)
- Tribal Relations News And Links (Inter-Agency)

Products

- Alaska ACCAP Select Projects (OA, SNA, Coastal Change, More...)
- CA-NV Decision Support Tools (ArkStorm, Drought, Downscaling, Data Archive, GB Dashboard)
- Climate Assessment For The Southwest Phase III Report
- Climate Information (NCEI)
- El Niño & La Niña (ENSO)
- National Drought Overview (NCEI)
- Poster! 10 Signs Of A Warming World
- Socioeconomics And Climate Change In The Great Lakes Region
- Tribal Resource Guide To U.S. Dept. Of Commerce (Partner)
- Western Water Assessment Decision Support Tools (Climate Dashboard, CRAG, TreeFlow)

Funding

- 2016 NOAA Climate Program Office Funding
- NOAA And Other Grants (Federal-Wide Options)
- NOAA Coastal Funding Opportunities
- NOAA Sea Grant Programs (Zoom Out For Alaska)
- NOAA Species Recovery Grants To Tribes
- TCCG - Possible NOAA Funding Opportunities

Tools

- Climate Data Access (NCEI)
- CRT Partner On: NSIDC Atlas Of The Cryosphere
- CRT Tool Partner For: Atlas Of Community-Based Monitoring And Traditional Knowledge In A Changing Arctic
- CRT Tool Partner For: Climate-Smart Conservation: Putting Adaptation Principles Into Practice
- CRT Tool Partner For: G-WOW Guiding For Tomorrow: Changing Climate, Changing Culture
- CRT Tool Partner For: Ocean Acidification Curriculum Collection
- CRT Tool Partner For: U.S. Drought Portal
- Lead On: Synthesis Of Arctic Research (SOAR)
- Partner On: Community Collaborative Rain, Hail And Snow Network (CoCoRaHS)
- Partner On: Rutgers Global Snow Lab
- U.S. Climate At A Glance (NCEI)
- U.S. Climate Resilience Toolkit (Tribal Nations Topic)

Training

- Inter-Tribal Youth Climate Leadership Congress
- NCAR GLOBE Education Programs (Partner)
- Next Generation Climate Curriculum
- NOAA West Tribal Portal Staff Training Links
- NWS Climate Services Seminar Series
- SCIPP SPL Youtube Video Training Archive
- Subscribe! NOAA Climate Stewards Webinars Alerts
- Teaching Climate

Examples

- CRT Partner On: Alaskan Tribes Join Together To Monitor Harmful Algal Blooms
- CRT Partner On: Assessing The Timing And Extent Of Coastal Change In Western Alaska
- CRT Partner On: Jamestown S'Klallam Tribe Plans For Change On The Olympic Peninsula
- CRT Partner On: Looking To The Future On Alaska's North Slope
- CRT Partner On: Preparing To Respond To Oil Spills In The Arctic
- CRT Partner On: Suquamish, Ocean Acidification Curriculum Collection
- SOAR Lead On: Alaska Fisheries And Communities At Risk From Ocean Acidification

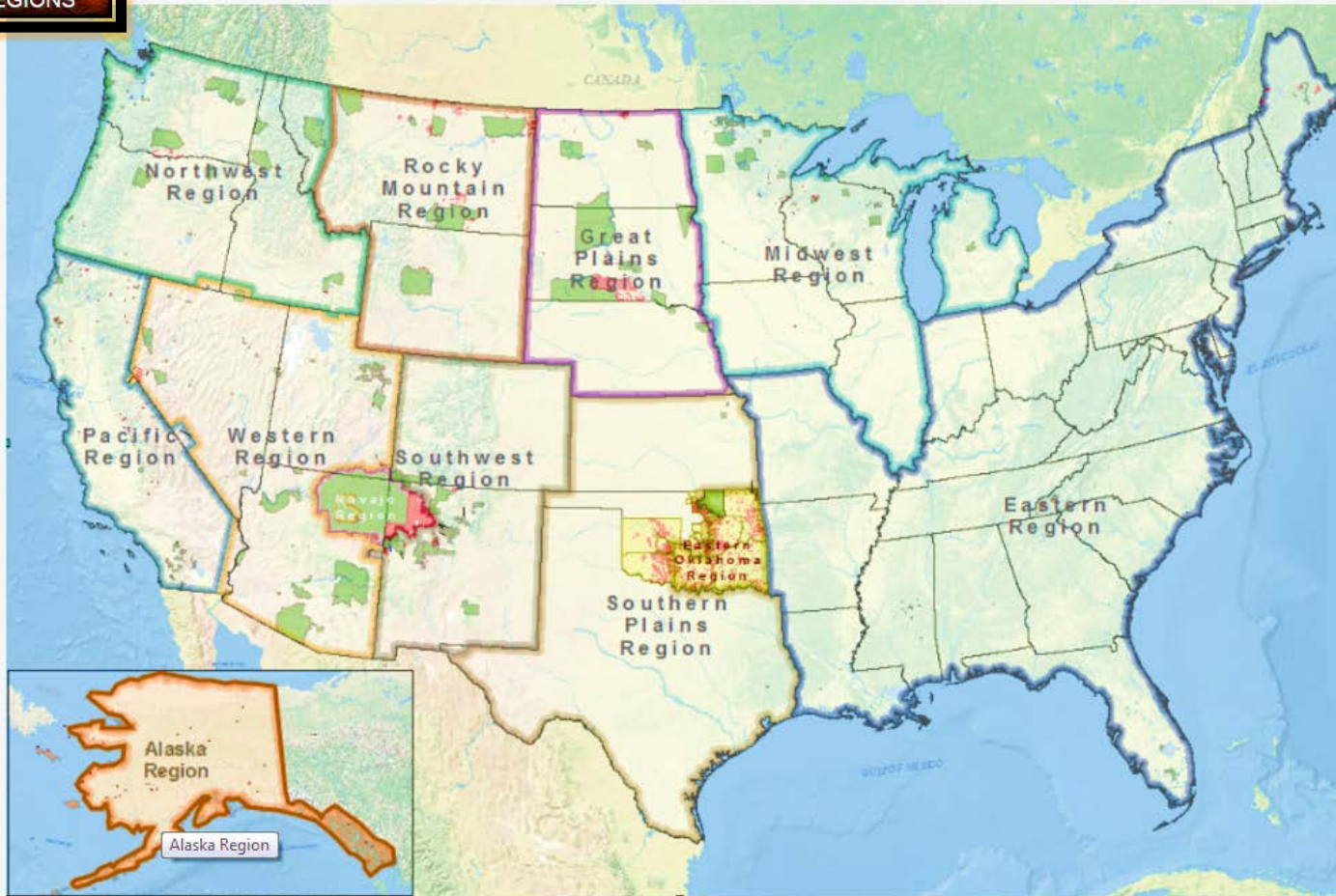
Each Agency Fact Sheet lists Resources and [Tools](#) & [Cases](#) from CRT [Tribal Nations](#) that the Agency developed with Tribes, as well as Funding, Training, Services, and Products that support *either* TRIBES and/or CLIMATE in a *consistent layout* in one unified source.

TCR Resource Guide Listing Pages – 2. Regions



Tribal Climate Resilience Resources BIA Regions

Alaska Region | Eastern Region | Eastern Oklahoma Region | Great Plains Region | Midwest Region | Navajo Region
Northwest Region | Rocky Mountain Region | Pacific Region | Southern Plains Region | Southwest Region | Western Region



[About](#)

[Contact Us / Provide Feedback](#)

To provide more site-specific information, resources are also organized by BIA region, since each Tribe in the U.S. is associated with a BIA service area. Select the region for your tribe to access federal-wide support for that area of interest.

Region Fact Sheet: Example – BIA Alaska Region

Tribal Climate Resilience Resources - REGIONAL CLIMATE RESOURCES ALASKA REGION (ALA RO) FACT SHEET

Description of Region: Climate change will bring new challenges to Tribal Nations, especially Alaska Native communities, which experience a relatively greater increase in temperature at higher latitudes and more profound changes to their once frozen world. The federal government seeks to support Alaska Natives and partners through expanded services, funding, training, and government-wide coordination as they contend with these growing challenges and seek to exploit new opportunities.

Federal Links: Select the Agency Acronym for the full Agency Fact Sheet and the link to its right for a more specific regional contact Tribal Fact Sheets to access a Fact Sheet for each Tribe in this Region.

- | | | |
|---|---|---|
| BIA: Alaska - Affiliated Tribal Fact Sheets | DOT/FWHA: Alaska | DOE: AK |
| BOEM: Alaska OCS Region | BLM: Alaska | FWS: Alaska |
| EPA: R10 | FEMA: R10 | HUD: Alaska |
| USDA CLIMATE HUB: Pacific Northwest | USDA NRCS: Locator, USDA USFS: Alaska | NOAA: Region, RISA: ACCAP |
| CSC: Alaska | LCC(s): Arctic Aleutian and Bering Sea Islands Northwest Boreal North Pacific Western Alaska | |

Agency Support Section

- Blue → Agency Fact Sheet
- Orange → Local Agency Contact

Services

- Alaska CC Impact Mitigation Program
- DOE Alaska Native Villages Support
- DOI Federal Subsistence Mgmt Program
- FWS Alaska Native Affairs
- USACE Alaska District Office Services
- USDA Rural Development AIAN Programs

Products

- Alaska Climate Data
- Alaska Native Knowledge Network
- Climate Change In Alaska (State Portal)
- Desk Guide: Working Effectively With Alaska Natives And Organizations
- SeaGrant AK Coastal Adaptation
- SeaGrant AK Federal Resources
- TCCRG Plans - Choose Geography: Alaska
- Toolkit Arctic Peoples And Ecosystems Subtopic

Funding

- AK Coastal Guide Of Federal Programs
- BIA Annual Climate Funding Application Kit
- EPA Region 10 Indian General Assistance Program (I-GAP)
- FWS Tribal Wildlife Grant Program, AK
- General Federal Funding Options
- Other Funding Opportunities (TCCRG) - Choose Geography: AK

Tools

- 7-Gen Environmental Planning
- Arctic Tools In Tribal Nations Theme
- Climate Change Adaptation Planning Manual (SeaGrant/ACCAP)
- CRT Arctic Tools
- IMIQ Hydroclimate Database
- Local Environmental Observer (LEO) Network
- SNAP Climate Projections

Training

- ACCAP Alaska Native Adaptation Webinars
- ACCAP Climate Webinars
- General Climate Training Resources

Examples

- ANTHC Climate And Health Reports
- Chicakloon Salmon Restoration
- CRT Arctic Taking Action Stories
- Expanding Flourishing Arctic Gardens
- NAU ITEP Arctic Profiles
- Newtok Planning Group
- PBS: AK Native Perspectives On Climate

Regional Groups

- Alaska Native Tribal Health Consortium
- Alaskan Native Knowledge Network

Region Fact Sheet resources are organized similarly to Agency Fact Sheets, but they also link to federal-wide agency regional support and area climate support groups.

TCR Resource Guide Listings – 3. [Tribes](#), [TCUs](#), [Groups](#)



Tribal Climate Change Resources QUICK FILTER - jumps as you type! newtok

Tribes

Tribes

Show 100 entries

Tribes	BIA Region	State	Fact Sheet
Newtok Village	Alaska	Alaska	Fact Sheet

Showing 1 to 1 of 1 entries (filtered from 577 total entries) Previous 1 Next

Tab 1. [Tribes](#): Includes all federally-recognized Tribes and Alaska Native communities. Quick Filter to one of interest.

Tribal Climate Change Resources QUICK FILTER - jumps as you type! ili

Tribes TCU's Intertribal Groups

Tribal Colleges and Universities

Show 50 entries

TCU Name	Type	State	City	Fact Sheet
Ilisagvik College	Tribal	AK	Barrow	Fact Sheet

Tab 2. [TCUs](#): Provides information on Tribal Colleges and Universities that may support your climate efforts

Intertribal Groups

Show 50 entries

Intertribal Group	Type	Region	Fact Sheet
Bristol Bay Native Association	Tribal Group	Alaska	Fact Sheet

Tab 3. [Intertribal Groups](#): Provides a listing of groups that partner with Tribes on coordinated climate efforts.

Choose a Tab, Enter a few letters in the Name in the *Quick Filter*, & Select a Fact Sheet.

Find Your Tribal Fact Sheet



1) Choose TRIBES icon from the landing page

2) Jump to Tribe by entering 3 to 4 distinct letters from its Name in the Quick Filter

Tribal Climate Change Resources

QUICK FILTER - jumps as you type! unal

Tribes TCU's Intertribal Groups

Tribes

Show 100 entries

Tribes	BIA Region	State	Fact Sheet
Qawalangin Tribe (Unalaska)	Alaska	Alaska	Fact Sheet
Unalakleet (Native Village)	Alaska	Alaska	Fact Sheet

Showing 1 to 2 of 2 entries (filtered from 577 total entries)

About Contact Us / Provide Feedback

3) Choose Tribal Fact Sheet of Interest

3) Select the Fact Sheet link to open the one for the corresponding Tribe, TCU, or Group shown

Tribal Climate Resilience Fact Sheet
Qawalangin Tribe of Unalaska

Tribal Fact Sheet Example

Agency Support Section

- Blue → Agency Fact Sheet
- Orange → Local Agency Contact

Tribal Climate Resilience Fact Sheet Qawalangin Tribe of Unalaska

Names (Federal Register): *Qawalangin Tribe of Unalaska*

Federal Links: Select the Agency Acronym for the full Agency Fact Sheet and the link to its right for a more specific regional contact or homepage.

Tribal: Official Website (or groupsite)	BIA Region: Alaska Regional Fact Sheet <small>Alaska Regional Office</small>	DOE: AK
CSC: Alaska	LCC: Aleutian and Bering Sea Islands	FWS: Alaska
USDA CLIMATE HUB: Pacific Northwest	USDA NRCS, USDA USFS: Alaska	NOAA: Region, RISA: ACCAP
EPA: R10	FEMA: R10	HUD: Alaska

▶ Awards

- FY15 Ocean and Coastal Management Planning
- FY15 Travel (Ocean and Coastal)

▶ Documents Share Results!

- Alaska Public Article: Aleutian Islands' ancient villages, volcanoes slowly reveal their secrets
- APIAI Profile: Unalaska
- Climate Change and Increased Vessel Traffic Concerns
- Unalaska All-Hazard Mitigation Plan

▶ Examples

- Student Paper: Global Warming Effects on Fishing in Unalaska

▶ Groups Find Regional Partners!

- Aleut Corporation
- Aleutian Pribilof Island Association
- City of Unalaska (Itnl Port of Dutch Harbor)
- Ounalashka Corporation

▶ Tools

- Aleutian and Bering Climate Vulnerability Assessment (ABCVA)
- Aleutian Islands Risk Assessment

▶ Data & Maps

- SNAP Community Climate Charts: Historical & Projected Temperature & Precipitation
- Alaska Climate Story Map (Request Sign-in using Contact Us / Provide Feedback)

Locate Climate Data Links!

About

Ask for Help or Send New Links to Add!

Contact Us / Provide Feedback

ArcOnline: Interactive Story Maps

Alaska Natives, Climate Factors, and Resilience

Rising Temperature

Sea Ice

Tundra Greenness

Coastal

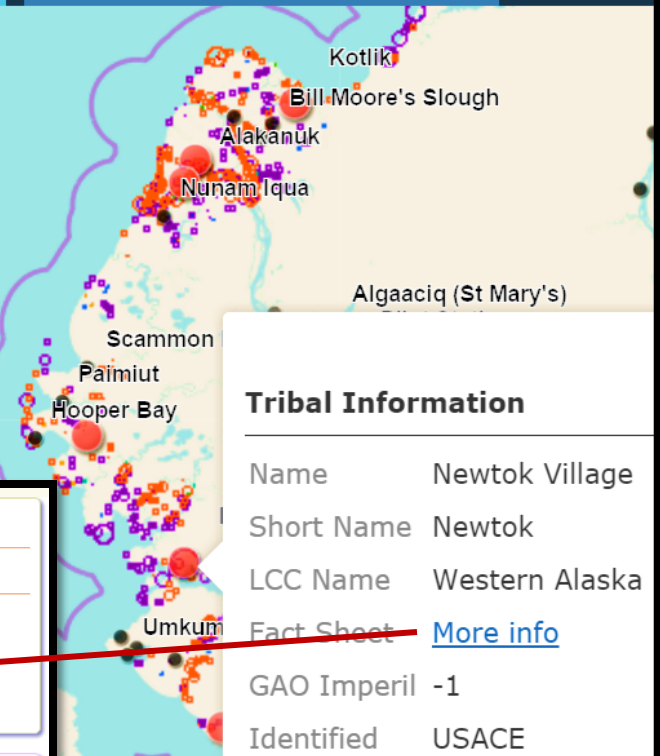
Shifting and Invasive Species



B *I* *I*_x **A** Size



This Map demonstrates where imperiled communities are located according to USACE baseline erosion studies conducted 2006-2008 confirmed in a 2009 GAO report. Select a community to link to a Alaska Native Fact Sheet



Tribal Information

Name	Newtok Village
Short Name	Newtok
LCC Name	Western Alaska
Fact Sheet	More info
GAO Imperil	-1
Identified	USACE

Names (Federal Register): *Newtok Village*

Federal Links: Select the Agency Acronym for the full Agency Fact Sheet and the link to its right for a more specific regional contact or homepage.

Tribal: Official Website (or groupsite)	BIA Region: Alaska Regional Fact Sheet Alaska Regional Office	DOE: AK
CSC: Alaska	LCC: Western Alaska	FWS: Alaska
USDA CLIMATE HUB: Pacific Northwest	USDA NRCS:Locator, USDA USFS: Alaska	NOAA: Region, RISA: ACCAP
EPA: R10	FEMA: R10	HUD: Alaska

Awards

- ACCIMP Community Planning Grant for: Newtok

Groups

- Association of Village Council Presidents
- Calista Corporation

Documents

- Alaska Community Coastal Protection Project (ACCPP): Newtok Planning Group
- GAO 2009 Imperiled Community Identified by: USACE
- USACE 2009 Priority Action Report

Tools

Examples

- CAKEX Case Study: Relocating Newtok due to Coastal Erosion
- News Article: It's Happening Now... The Village is Sinking
- UA Research: A Migratory House for Villages on the Move

Data & Maps

- SNAP Community Climate Charts: Historical & Projected Temperature &

Access TCR Resources from Interactive Story Map and back to map from *Data & Maps* section of each Tribal Fact Sheet.

Tribal College: *Example – Ilisagvik College, AK*

Tribal College / University Climate Resilience Fact Sheet

Ilisagvik College

Tribal College or University: *Ilisagvik College*

TCU: Website AIHEC: TCU Profile Related Program: Why Ilisagvik Youth: More Resources

CESU: NORTH AND WEST ALASKA

▶ Awards

▶ Documents


▶ Examples

▶ Affiliated Tribes

▶ Tools

▶ Data & Maps

- Inupiat (Community of the Arctic Slope)
- Atkasuk Village (Atkasook)
- Kaktovik Village (aka Barter Island)
- Wainwright (Village of)
- Anaktuvuk Pass (Village of)
- Barrow (Native Village, Inupiat Traditional Govt.)
- Point Lay (Native Village)
- Point Hope (Native Village)
- Nuiqsut (Native Village)



- HOME
- ABOUT CESU
- CESU COUNCIL
- CURRENT CESU UNITS
- NETWORK RESOURCES
- NEWS AND ANNOUNCEMENTS
- MEETINGS OF INTEREST
- CONTACT US
- SEARCH


COOPERATIVE ECOSYSTEM STUDIES UNITS

NATIONAL NETWORK

NORTH AND WEST ALASKA

COOPERATIVE ECOSYSTEM STUDIES UNIT

NATIONAL INFORMATION PORTAL



NORTH AND WEST ALASKA CESU HOMEPAGE

TCU pages include its website and related climate links, [AIHEC](#) listing with contacts, link back to [Youth Resources](#), Tribes, and one or more [CESUs](#) to join for discounts & support.

Intertribal Groups: *Examples – BBNA & GLIFWC*

Group Name: *Bristol Bay Native Association*

Type: Tribal Group Region: Alaska Group: Website Additional Focus: Website Details

Description: Alaska Native Association or Nonprofit formed when ANSCA Native Corporation was provided to provide government services for community health and well being. Bristol Bay Native Association, Inc. is a Tribal Consortium, made up of 31 Tribes and is organized as a non-profit corporation to provide a variety of educational, social, economic and related services to the Native people of the Bristol Bay region of Alaska. The Mission of BBNA is to maintain and promote a strong regional organization supported by the Tribes of Bristol Bay to serve as a unified voice to provide social, economic, cultural, educational opportunities and initiatives to benefit the Tribes and the Native people of Bristol Bay in SW Alaska. BBNA's Natural Resource Programs protect the rights of Bristol Bay villages to choose how to continue to meet their subsistence, cultural, and economic needs. Consistent with solid stewardship, sustainability and self-reliance, the program helps advance our village's natural resource management goals.

- ▶ **Awards**
 - Ocean and Coastal Management Planning for: *Practical Methods for Bristol Bay Villages to Document and Plan for Climate Change*
- ▶ **Documents**
 - BBNA Implementation Strategy, Recovery, and other regional energy plans
- ▶ **Examples**
 - Partner on: *Assessing the Timing and Extent of Coastal Change in Western Alaska*
- ▶ **Affiliated Tribes**
 - Koliganek (New Koliganek Village Council)
 - Perryville (Native Village)
- ▶ **Tools**
- ▶ **Data & Maps**

Intertribal Groups include Sections for Member Tribes - *with links back to their Fact Sheets!* + Tools, Data & Maps, Awards, Examples, and Climate Documents.

Intertribal Climate Resilience Fact Sheet
Great Lakes Indian F&W Commission

Group Name: *Great Lakes Indian F&W Commission*

Type: Tribal Group Region: Great Lakes Group: Website Additional Focus: Website Details

Description: The Great Lakes Indian Fish & Wildlife Commission is commonly known by its acronym, GLIFWC. Formed in 1984, GLIFWC represents eleven Ojibwe tribes in Minnesota, Wisconsin, and Michigan who reserved hunting, fishing and gathering rights in the 1837, 1842, and 1854 Treaties with the United States government. GLIFWC provides natural resource management expertise, conservation enforcement, legal and policy analysis, and public information services in support of the exercise of treaty rights during well-regulated, off-reservation seasons throughout the treaty ceded territories. GLIFWC is guided by its Board of Commissioners along with two standing committees, the Voigt Intertribal Task Force and the Great Lakes Fisheries Committee, which advise the Board on policy.

- ▶ **Awards**
- ▶ **Documents**
- ▶ **Examples**
- ▶ **Affiliated Tribes**
- ▶ **Tools**
 - CRT Tool: *G-WOW Guiding for Tomorrow: Changing Climate, Changing Culture*
- ▶ **Data & Maps**
 - GLIFWC Map of Ceded Tribal Territories

Training Resources by CRT Strategy



TRAINING

Tribal Climate Resilience Resources Training

Orientation

Climate Change Training Resources are listed by the six strategies/subtopics described in the U.S. Climate Resilience Toolkit, [Tribal Nations Topic](#).

▶ Training for Adaptation Planning and Vulnerability Assessments

- [NAU ITEP TCC Climate Change Adaptation Planning](#)
- [NAU ITEP TCC Upcoming and Archived Webinars](#)
- [NAU ITEP TCC Events Calendar \(Exhaustive List of Nationwide Options\)](#)
- [FWS NCTC Climate-Smart Conservation](#)
- [FWS NCTC Vulnerability Assessment \(Regular Version\)](#)
- [FWS NCTC Vulnerability Assessment \(Online, Self-Paced Version\)](#)

▶ Training for Adaptation Strategy Prioritization and Implementation

▶ Training for Mitigation, Renewable Energy Development, and Energy Efficiency

- [DOE Tribal Energy Program Education and Training: Workshops](#)
- [DOE Tribal Energy Program Education and Training: Webinars](#)

▶ Training for Emergency Planning and Disaster Risk Reduction

- [FEMA Training](#)
- [NDPTC Disaster Preparedness Training Options](#)
- [UN ISDR Climate and Disaster Risk Management Online Course](#)

▶ Training for Relocation and Coastal Management

▶ Tribal Climate Curriculum

- [Guidelines for Considering Traditional Knowledges in Climate Change Initiatives](#)
- [National Climate Assessment, C.12. Indigenous Peoples, Lands, and Resources](#)
- [Tribal Nations \(and Arctic\) in the U.S. Climate Resilience Toolkit tools, cases in six strategies](#)
- [G-wow Guiding for Tomorrow \(Great Lakes\)](#)
- [CYCLES - Teaching Teachers Grades 5-12 in N. Minn](#)
- [POSOH Sustainability Cohort Project \(community wide, cross-institutional collaborations\)](#)
- [Ocean Acidification Curriculum Collection \(OACC - Suquamish lead\)](#)
- [NCTC vulnerability assessment on demand, Climate Smart](#)

Training Resources include links to [NAU ITEP TCC Climate Adaptation Training](#) that both BIA and EPA promote. [CSCs](#) and [LCCs](#) also sponsor [NCTC climate courses](#). Other options are listed by strategy, such as [FEMA training for Disaster Risk Reduction](#).

Planning Resources by CRT Strategy



Planning Support

Orientation

Tribal Climate Change Planning Resources are listed by the six strategies/subtopics described in the U.S. Climate Resilience Toolkit, [Tribal Nations Topic](#). See also the [Funding Section](#) and the [Training Section](#) and for specific courses and curriculum of interest. The [PNW TCC Tribal Climate Change Resource Guide](#) includes additional and expanding resources by topic; some sections are also highlighted below.

Adaptation Planning and Vulnerability Assessments

- [PNW TCCG: Climate Planning Resources](#)
- [PNW TCCG: Adaptation Plan Listings](#)
- [ANTHC CCH Climate Change & Health Assessment Reports](#)
- [ANTHC Seven Generations Planning](#)
- [NAU ITEP TCC Climate Adaptation Planning Toolkit](#)
- [NCCWSC/EcoAdapt Climate Registry for the Assessment of Vulnerability \(CRAVe\)](#)
- [CRT Tribal Nations: Assessment and Planning](#)

Adaptation Strategy Prioritization and Implementation

Mitigation, Renewable Energy Development, and Energy Efficiency

- [DOE Tribal Energy Program Funding, Assistance, Projects, more...](#)
- [IEED Tribal Energy && Mineral Development Toolbox](#)
- [IEED Tribal and Environmental Information Clearinghouse](#)
- [EPA Clean Power Plan](#)
- [EPA Clean Energy Incentive Program \(State Interest Due 9/6/16!\)](#)
- [CRT Tribal Nations: Mitigation](#)

Emergency Planning and Disaster Risk Reduction (DRR)

- [FEMA and Tribal Nations: A Pocket Guide](#)

Relocation and Coastal Management

- [Federal Resources for Climate Resilience in Alaskan Communities](#)
- [National Sea Grant Resilience Toolkit](#)
- [CRT Tribal Nations: Relocation](#)

Capacity Building

- [CRT Tribal Nations: Capacity Building](#)
- [CDI Tribal Nations: Capacity Building Tools Listings](#)
- [PNW TCCG: Tribal Climate Groups](#)

[Contact Us / Provide Feedback](#)

Planning Resources include links to [Tribal Climate Adaptation Plans](#), [Topical Tribal Examples](#), links to specific agency programs and support, and a focus on six strategies with references to National Climate Assessment recommendations and applicable tools. For specific needs, use the feedback form to request resource assistance, data, maps, or models.

Funding Options by CRT Strategy



FUNDING



Tribal Climate Resilience Resources Funding

Orientation

Tribal Climate Change Federal Funding resources are listed by the six strategies/subtopics described in the U.S. Climate Resilience Toolkit, [Tribal Nations Topic](#). The PNW TCC Tribal Climate Change Resource Guide includes more exhaustive funding options.

▶ Funding for Adaptation Planning and Vulnerability Assessments

- BIA Tribal Climate Resilience Program: Awards for Planning and Training
- PNW TCCG: Funding Search

▶ Funding for Adaptation Strategy Prioritization and Implementation

- EPA Indian General Assistance Program (I-GAP)
- EPA Tribal 319 Grants for Non-Point Source Water Pollution
- EPA Tribal 106 Grants for Water Pollution Control
- EPA Tribal Air Grants

▶ Funding for Mitigation, Renewable Energy Development, and Energy Efficiency

- DOE Tribal Energy Program Funding
- IEED Tribal Energy Development Capacity Grant Program
- EPA Clean Energy Incentive Program (State Interest Due 9/6/16!)

▶ Funding for Emergency Planning and Disaster Risk Reduction (DRR)

- FEMA and Tribal Nations: A Pocket Guide

▶ Funding for Relocation and Coastal Management

- Federal Resources for Climate Resilience in Alaskan Communities
- HUD Indian Community Development Block Grant Program

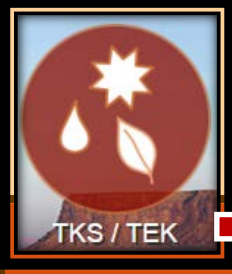
▶ Funding for Capacity Building

- Indian Loan Guarantee Program
- Youth Capacity Building Page

Contact Us / Provide Feedback

Funding Resources by Strategy provides an example of a few federal funding options for each strategy, but more specific programs can be found on each Agency Fact Sheet. Contact us about leveraging groups and networks.

Traditional Knowledges / Traditional Ecological Knowledge Integration



Tribal Climate Resilience Resources Traditional Knowledges / Traditional Ecological Knowledge

Guidelines for Considering Traditional Knowledges in Climate Change Initiatives will help protect knowledge and holders of TKs

Orientation

Indigenous traditional knowledges (TKs) have emerged in national and international arenas as rich information for indigenous and non-indigenous climate assessments, policies, and adaptation strategies. With this growing recognition, however, comes potential risks to indigenous peoples in sharing TKs in federal and other non-indigenous climate change initiatives. These resources assist Tribes, Agencies, and other Partners build respectful, complimentary efforts together.

Guidance

- Tribal Nations Summary and References
- Guidelines for TK, Primer, Ethics Essay in Toolkit
- NP-NH Climate Change Workshop II Report
- First Stewards 2012 Witness Report
- Rising Voices Reports and Outcomes
- AIAN Guide to Build Cultural Awareness

Examples

- CMN SDI Model to Inform Climate Initiatives

Research Papers

- CMN SDI Model
- Best of 2 Worlds: TEK in ESB Management
- CC and Indigenous Peoples in the U.S.
- Guarding Against Exploitation: TEK & CC
- Engagement that Honors TKs
- TCCG Publications
- IPCC Portal Publications - Books

Videos

- Braids of Truth, Part Two: Climate Change
- ITEP: Adapting to Change

Federal TEK Awareness

- ACCNRS TK Guidelines and Primer - Summaries
- CC Through an Intersectional Lens
- USFS Exploring Role of TEK in CC Initiatives
- USFS Briding the Gaps that Divide
- US FWS Basic TEK Info
- NIH TEK and Its Value for EHS
- NIH TEK Workshop Day 2
- EPA Using TEK to Adapt to CC
- EPA TSC: TEK in Policy and Decision Making
- NOAA TEK and CC Impacts
- NPS Integrating TEK into NRM
- Tribal Engagement in CSCs and

When working with Tribal Nations, federal and academic projects and partners are often enriched by the deeply integrated understanding of the relationships among all living things that indigenous people have honed since time immemorial. This may lead to breakthroughs in adaptation through keen natural observations, unique perceptions, and a focus on harmonious ways. Learn more with [TKs/TEK](#) links!

Youth Resources for Next Generation Progress

Tribal Climate Resilience Resources Youth and Climate



Orientation

Tribal Youth are increasingly impacted as their families and communities attempt to sustain tribal lifeways in the face of climate disruptions. Climate change curriculum, educational groups, internships, and programs may help Tribal Youth gain a sense of empowerment to address climate challenges.

▶ Tribal Youth, Education, and Climate Groups

- Bureau of Indian Affairs Tribal Climate Resilience Program
- Bureau of Indian Education Schools
- American Indian Higher Education Consortium (AIHEC)
- American Indian Association of Engineering and Science (AISES)
- National Indian Education Association (NIEA)

▶ Tribal Student Climate and STEM Career Funding

- NASA Tribal College and University ELO Program Internships
- CMN SDI Indigenous Planning Summer Institute
- NAU ITEP Environmental Education Outreach Program
- American Indian College Fund Internships, Fellowships, Scholarships, and Opportunities

▶ Tribal Climate Curriculum

- Guidelines for Considering Traditional Knowledges in Climate Change Initiatives
- National Climate Assessment, C.12. Indigenous Peoples, Lands, and Resources
- Tribal Nations (and Arctic) in the U.S. Climate Resilience Toolkit tools, cases in six strategies
- G-wow Guiding for Tomorrow (Great Lakes)

Youth Topics include Climate Groups to join, Student Funding, Climate Curriculum, Climate Programs, Examples, Research Tools, and College-Ready Support Tools.

Contact / Feedback Form – Help & Suggestions

Tribal Climate Resilience Resources

TRAINING

PLANNING

FUNDING

TEK / TKS

AGENCIES

YOUTH

REGIONS

TRIBES

<http://toolkit.climate.gov/tribal/> | [About](#) | [Site Map](#) | [Disclaimer](#) | [Privacy](#) | [Accessibility](#) | [FOIA](#) | [Contact / Feedback](#)

Feedback Category *

Please enter the main type of feedback

- Suggestion to Improve TCR RG
- Broken Link on TCR RG
- Other TCR RG Error
- Climate Change data
- Climate Change funding
- Climate Change resources
- Climate Change documents
- U.S. Climate Resilience Toolkit
- Other Climate Change issues
- Other Feedback

If you'd like a direct response, please include your Name & your feedback

and either an email or phone

If you need a response to your feedback

**For *direct* assistance:
Include your Name,
Email and/or Phone!**

Contact Us / Provide Feedback

Select the [Feedback Form](#) from the right-hand, bottom corner of the Landing Page or the footer on any page in the TCR RG for help, to suggest links, or to report issues.



Getting the Most out of the *Tribal Climate Resilience Resource Guide*

- Tribal Liaisons can visit a [Region](#) or [Tribal Fact Sheet](#) with a Tribe or Intertribal Group to discuss resources and option for considering climate
- A Tribe can visit each [Agency Fact Sheet](#) to gain better understanding of the full breadth of federal support
- College faculty and advisors can review the [Youth page](#) with students interested in [STEM fields](#) & climate change
- Academic and non-profit partners should carefully review the [Traditional Knowledges \(TKs\)](#) section to ensure respectful, well-integrate climate projects and policies that protect knowledge and knowledge-holders

THANK YOU FOR YOUR FEEDBACK

For Questions concerning the Tribal Climate Resilience Resource Guide, Support for Federal or Tribal Climate Coordination Initiatives, or Finding Federal-wide Tribes and Climate Resources or Mapping/Modeling support, contact BIA Tribal Climate Resilience Program (TCRP) IT/GIS Systems and Services:

Margaret T. Herzog, PE, PMP, PhD

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