

Climate Change Impacts & Tribal/Indigenous Communities



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Tribes & Climate Program

- Since 2009, we have assisted tribes in addressing climate change impacts on tribal lands & resources.
 - *In-person trainings & online webinars*
 - *Tools and technical assistance*
 - *Individual tribes, partnerships*
 - *Outreach and communication:*
 - *webinars, calls, workgroups*
- Grant funded:
 - *Individual tribes, federal agencies, other partnerships*



Tribes & Climate Change Program Team



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Administrative Assistant

CC Advisory Committee



Tribal Representatives	Federal Agency Reps.	Tribal Resilience Liaisons
Jerry Cain Mississippi Band of Choctaw Indians	Lisa Bacanskas USEPA	Malinda Chase Alaska region
Jamie Donatuto Swinomish Indian Tribal Community	Alicia Bell-Sheetter USFS	Chas Jones Northwest region
Mike Durglo Confederated Salish & Kootenai Tribes	Erica Bollerud USEPA	Sara Smith Midwest region
Shasta Gaughen Pala Band of Mission Indians	Ashley Fortune Isham USFWS	Stefan Tangen North Central region
Desirae Mack Alaska Native Tribal Health Consortium	Rachael Novak BIA	April Taylor South Central region
	Chris Swanston USFS, NIACS	Casey Thornbrugh Eastern region
	Paul Wagner USGS	Althea Walker Southwest region

Climate Change Impacts



Storm surge, southern California. Photo credit: US Geological Survey



Salmon drying on a rack in Alaska. Photo credit: David Bezaire and Susi Havens - Bezaire



Rio Grande, NM. Taos Pueblo on right.



Dead ponderosa in Jemez Mountains of NM. Photo credit: Craig D. Allen/ USGS



Brook trout. Photo credit: USFWS



Source: Weather Channel



Kivalina, Alaska. Photo credit US Coast Guard/ Lt. Cdr. Micheal McNeil



Photo credit: M. Lockhart/USFWS



Sand dune migration on Navajo Nation.
Photo credit: M. Hiza, USGS



Photo credit: Josh O'Connor/USFWS

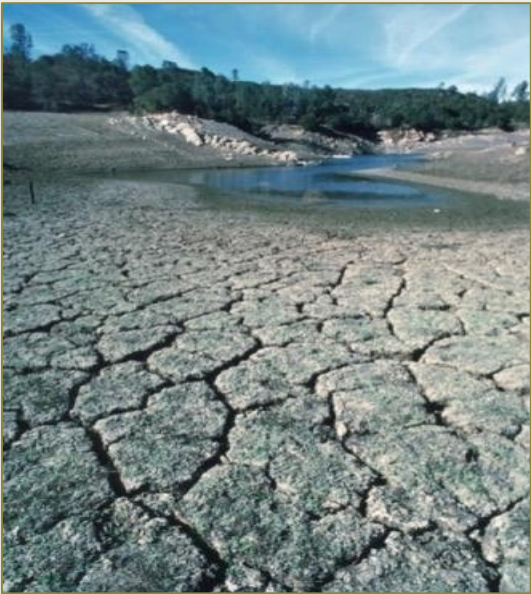
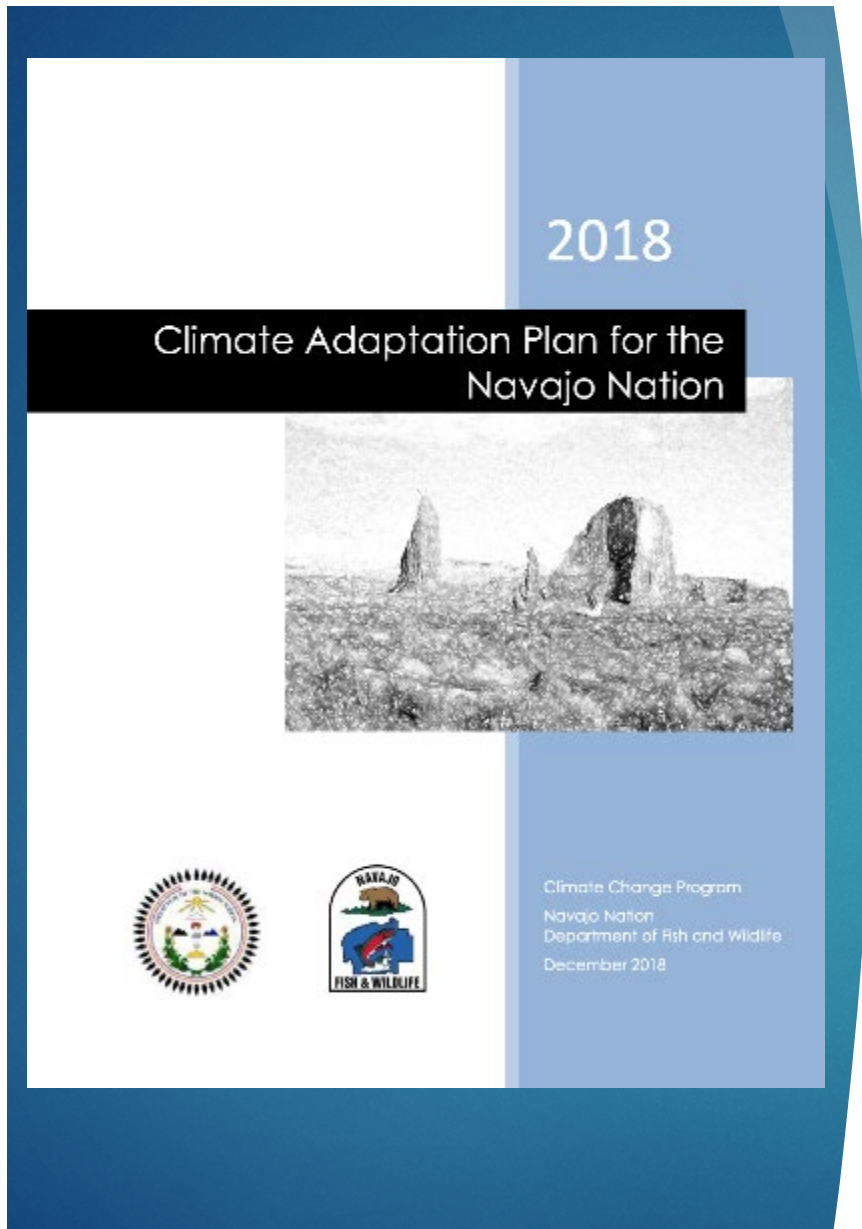


Photo credit: USDA NRCS



- Water
- Feral Horses
- Communication
- Enforcement & Compliance
- Pollution, Air Quality & Illegal Dumping
- Grazing Management

LA JOLLA BAND OF LUISEÑO INDIANS

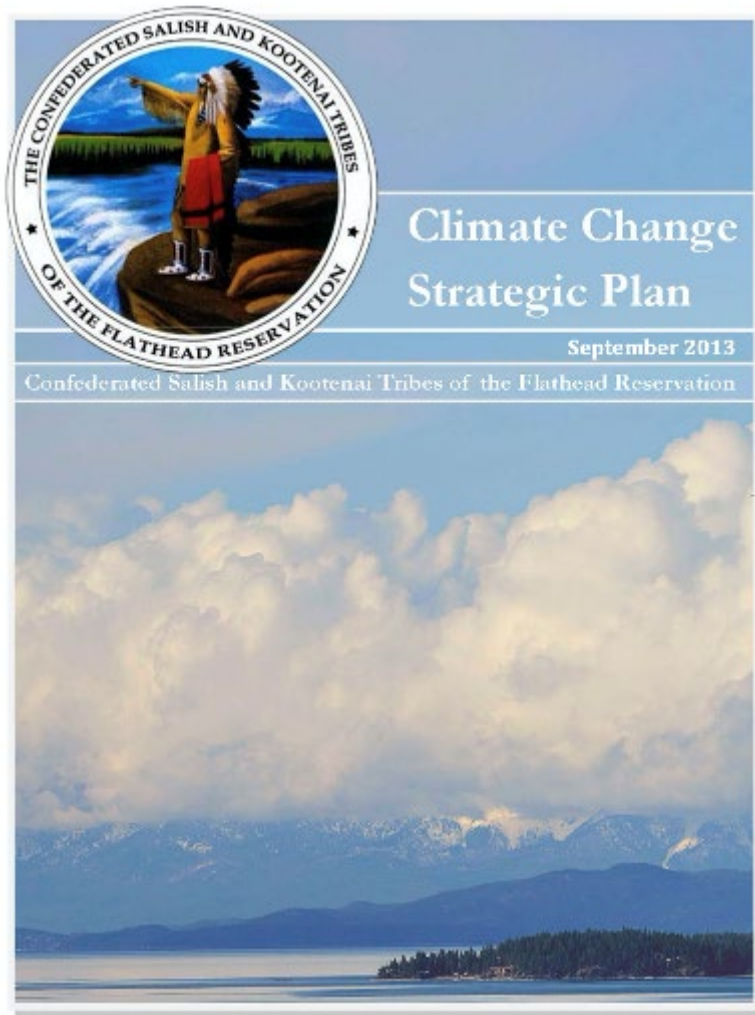
ADAPTATION PLAN



||||| 2019 LIVING DOCUMENT |||||



- Natural & Cultural Resources
- Human Health & Wellness
 - Drought
 - Wildfire
 - Storms
 - Heat



- Forestry, Wildfire, Air Quality
- Land, Noxious Weeds & Agricultural Impacts To The Land
- Fish, Habitat & Species
- Wildlife, Drier Wetlands, Alpine & Grassland Ecosystems
- Water quantity
- Cultural Survival
- People, Services & Resources

- Rising Sea Waters
- Coastal, Wetland Erosion
- Severe Storms
- Habitat Loss
- Water Quality
- Shellfish Harvests
- Rodents, Pests, Vector Diseases

SHINNECOCK INDIAN NATION
CLIMATE CHANGE ADAPTATION PLAN

October 2013



Quapaw Nation of Oklahoma

- Drought
- Earthquake
- Expansive Soils & Subsidence
- Flooding
- Severe Weather
- Tornado
- Wildfire



**QUAPAW NATION OF
OKLAHOMA**

**2017 TRIBAL HAZARD
MITIGATION PLAN**

(October 2017 FEMA Review)

ENTERING
QUAPAW (O-GAH-PAH)
NATION



Lac du Flambeau Tribe

- Plant & Animal Epidemic
- Illegal drug crisis
- Severe thunderstorms, hail
- Forest & wildland fires
- Hazardous materials
- Tornado/high wind
- Extreme heat, cold
- School violence/armed attack
- Dam failure



Lac du Flambeau Tribe Multi-Hazard Mitigation Plan

July 26, 2019



*“For the Lac du Flambeau Tribe,
**natural resources are cultural
resources** and an integral part of what
supports the community and helps it
thrive.”*

Quinault Indian Reservation: Washington St.

- Severe Storms
- Floods
- Earthquakes
- Tsunami
- Landslides
- Wildfire
- Drought



Oscarville Tribal Climate Adaptation Plan



Pektayiinata = We are Resilient

Oscarville Tribal Climate Adaptation Plan


Oscarville Traditional Village, Oscarville, Alaska

- Artwork
 - References to stories, animals, etc.
- Language
 - Quotes from community
- Climate Stories
 - Elders
- Holistic Approach
 - Community led
- Community photographs
- Western words translated into Yupik language





From Beverly and Qamanirjuaq Caribou Management Board Website
(<http://arctic-caribou.com/the-herds/challenges-and-threats/>)



Indigenous Identity
=
Earth, Sky, Animals



Ways of Life Language Practices



Communication
Tools



Working Groups,
Networks,
Newsletters



Reports



Data & Related
Resources



Tribal Adaptation
Plans, Toolkits,
Planning Guides



Trainings



Federal Resilience
Programs



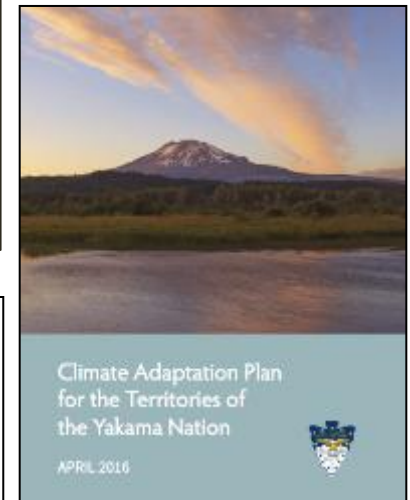
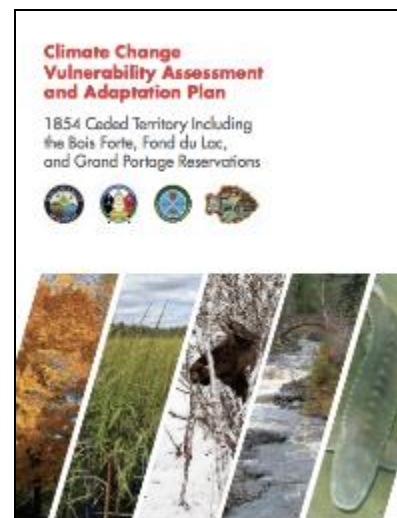
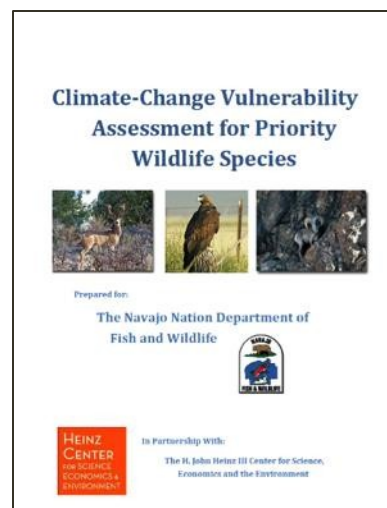
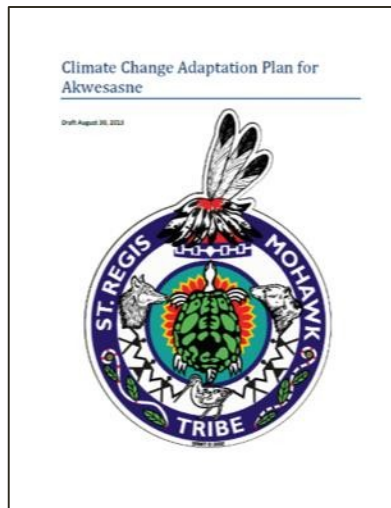
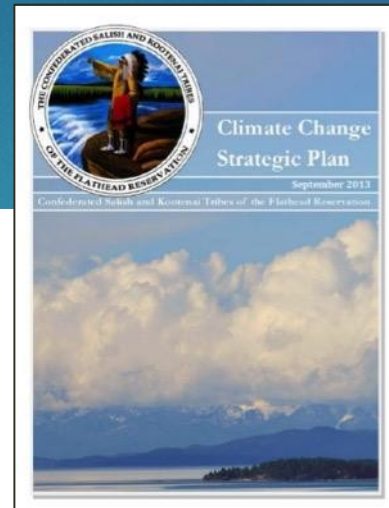
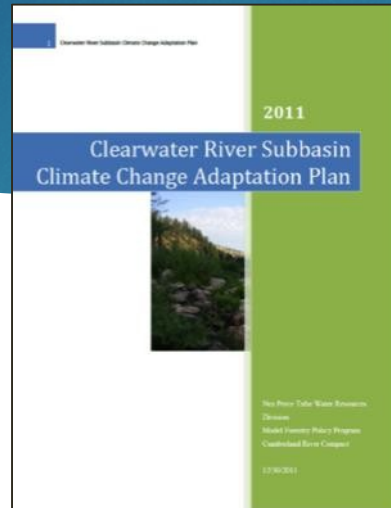
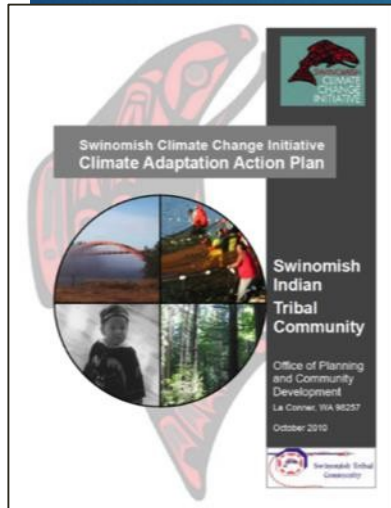
Funding



Meetings

Climate Change Resources for Tribes

Tribal Adaptation Plans & Assessments



Tribal Climate Change Adaptation Plan Template



Institute for Tribal Environmental Professionals



Version 3.0

Tribal Profiles:

- Alaska ▾
- Great Lakes ▾
- Gulf Coast ▾
- National ▾
- Northeast ▾
- Pacific Northwest ▾
- Prairies Region ▾
- Southwest ▾
- Profiles Home
- TCC Home

Tribal Profiles



Climate change affects us all, but tribes have been particularly hard-hit by the impacts of atmospheric warming and the myriad changes it brings. It isn't just Alaska Natives who experience these changes; tribal members living close to the land in the lower 48 states are also seeing dramatic changes in the world around them. From fishing impacts in the Northwest to severe water depletion in the Southwest to heightened storm events along the Gulf Coast and Eastern seaboard, tribal communities see the impacts every day, and they've long since moved past the mindset of regarding climate change as a "theory." On the following pages, we profile by region various tribes and organizations that deal with, and attempt to respond to, climate change and its impacts.



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This is our first attempt at profiling climate change from a tribal perspective. Our profiles are modest and only represent a small percentage of tribes actively working to address climate change issues. We intend to continue to research and update this website as new information becomes available. If your tribe or organization has something it would like to contribute to the website please let us know! Your comments and suggestion are welcome.

Contact us at:

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For more information about ITEP's Tribal Climate Change Program, please visit our website:

<http://www7.nau.edu/itep/main/tcc/Home/>