

Mainstreaming Climate Considerations

TCC Community Planning Training
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Elders Call to Action:

What are you going to do about it?! - Berkman Silas,

"We must work together for the next generation." - Chief Trimble Gilbert,



*As a Council, we need to think about
how we are going to deal with this.
- Iliamna Leadership, 2019*

Climate Change in your life and community

What changes have you observed in your life related to our changing climate?

These can be changes you've seen with weather, on the land, in your community, or the plants or animals that you or your family may harvest?

Reflect - Jot down - Share



What are we observing?

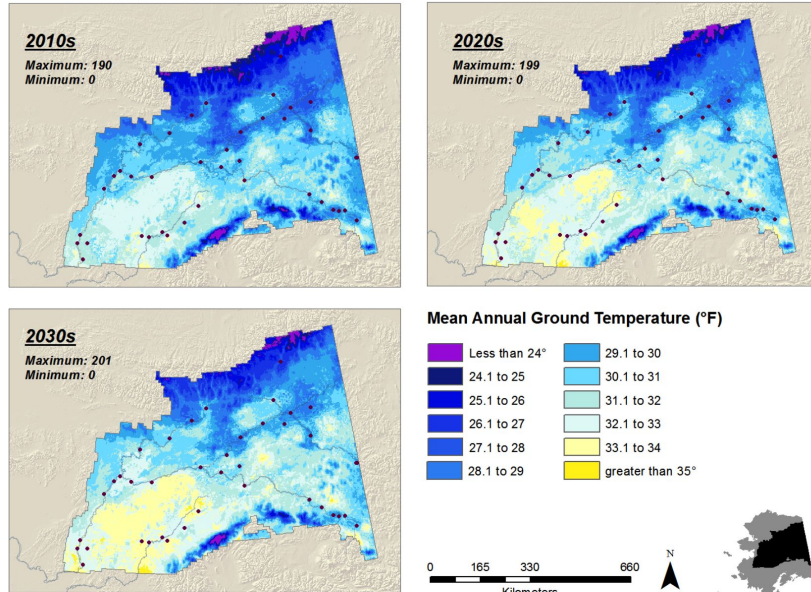
Notable events in and around Alaska, 2014–2019



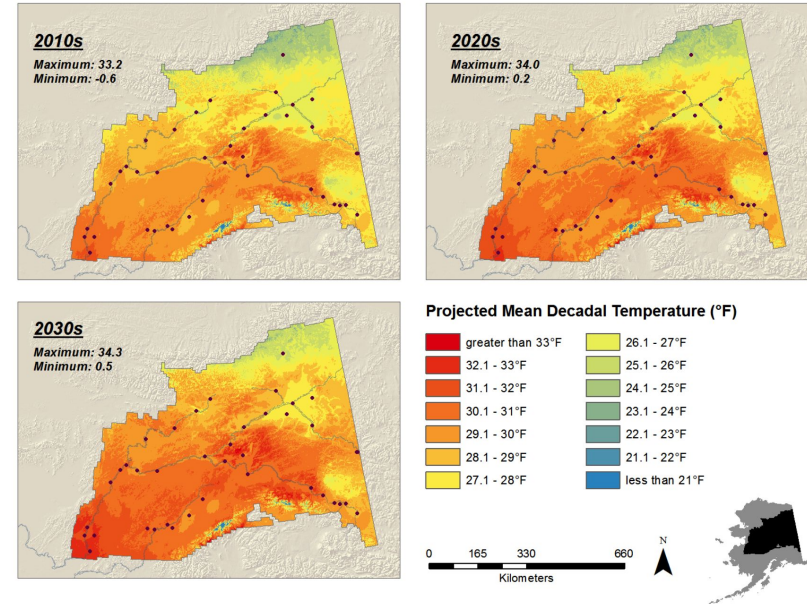
- Purpose: To inform on the current state of AK's climate and impacts
- Impacts across the state
 - Multiple records in last five years
 - Changes are physical and biological
 - Undergoing tremendous, rapid and monumental changes in all regions

Environmental Change in the Interior

Mean Decadal Annual Ground Temperature: A1B Scenario



Mean Decadal Temperature (°F): A1B Scenario



NCA Chap 28: Key Message #2

Climate Change Outpaces Adaptation Planning

Successful adaptation has been hindered by the assumption that climate conditions are and will be similar to those in the past. Incorporating information on current and future climate conditions into design guidelines, standards, policies, and practices would reduce risk and adverse impacts.



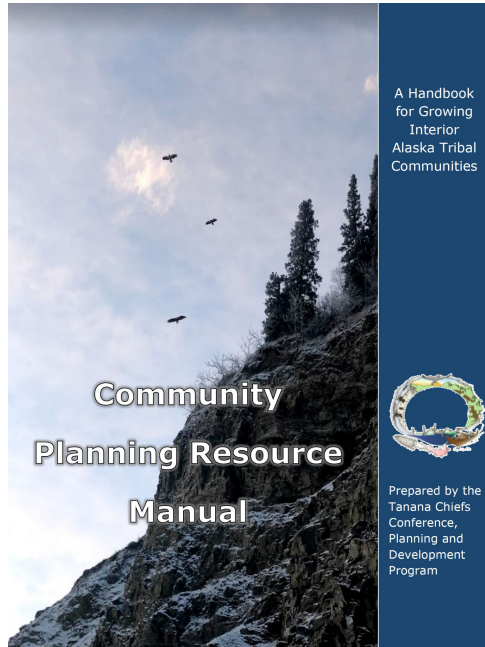
plans

Oscarville Climate Adaptation Planning Dimensions

- Threats & Vulnerability
- Temperature & Precipitation
- River Level
- Erosion
- Snow & Ice
- Water, Sanitation, & Energy
- Food Security & Subsistence
- Safety & Security
- Land & Housing



Climate Considerations within the TCC Community Planning Workbook



Planning Areas

- Public Utilities
- Public Facilities
- Emergency Response
- Housing
- Economy
- Transportation
- Land Use and Environment
- Subsistence/ Food Security
- Community Wellbeing

Climate Impacts to consider for planning

- Is river bank erosion or flooding threatening community infrastructure or housing?
- Are there concerns about impacts of thawing permafrost?
- Is the community prepared for increased wildfire risks and threat to safety and infrastructure?
- Are there concerns that climate are impacting fish, wildlife, or plants important for harvest?

Mainstreaming Climate Considerations

An approach to adaptation planning that involves integrating climate adaptation into existing management functions and planning efforts.

- Tribal Climate Adaptation Guidebook.
Pg. 115

1. What planning documents already exist in Tanana and Northway?
2. Which of these might include climate considerations?
3. Do planning documents have connection with a funding source (HUD, FEMA, etc.)



December 2017
Prepared by:
City of Tanana
Native Village of Tanana



Northway Community Plan
2015



EXISTING PLANS

Tanana

- Local Hazard Mitigation Plan 2011
- Tanana Community Plan 2015
- Tanana Hazard Mitigation Plan 2017
 - Pg. 65 highlights local climate impacts.

Northway

- Northway Community Plan 2015

Including traditional cultural practices in adaptation planning

What are some values or practices that guide your community during times of crisis, loss or emergency?



Information resources and examples

[Alaska Tribal Resilience Learning Network](#) - Calendar of upcoming tribal climate adaptation events, webinars, and recorded information sessions.

[Adapt Alaska](#)- Clearing house for examples of adaptation strategies, technical assistance, and information resources.

[\(SNAP\) Scenarios for Alaska and Arctic Planning](#) - Local climate data that can be used for planning.

[Tribal Climate Adaptation Guidebook](#) - Helpful guidebook for introducing language and approaches for tribal climate adaptation.

[Alaska's Changing Wildfire Environment](#) - 2020 publication that provides an overview of how wildfires are being more frequent and more intense in Alaska.

[Alaska's Changing Environment](#) - 2019 publication that highlights most current overview of environmental changes occurring in Alaska due to climate change.