



Western Lake Superior Climate Resilience Forum, February 9, 2022

Welcome and Introductions

The [Great Lakes Indian Fish and Wildlife Commission](#) (GLIFWC) was formed in 1984. Representing eleven Ojibwe tribes in Minnesota, Wisconsin, and Michigan, GLIFWC provides natural resource management expertise, conservation enforcement, legal policy analysis and public information services in support of hunting, fishing and gathering rights in the 1836, 1837, 1842 and 1854 Treaties.

The [1854 Treaty Authority](#) is an inter-tribal natural resource management organization that protects and implements the off-reservation hunting, fishing, and gathering rights for the Grand Portage and Bois Forte bands in the lands ceded to the United States government under the Treaty of La Pointe, 1854.

[Dibaginijigaadeg Anishinaabe Ezhitwaad: A Tribal Adaptation Menu](#) is a collection of climate change adaptation actions for natural resource management, organized into tiers of general and more specific ideas. It also includes a companion Guiding Principles document, which describes detailed considerations for working with tribal communities.

[The Ojibwe People's Dictionary](#) is a searchable and talking Ojibwe – English dictionary. It also serves as a gateway to Ojibwe collections at the Minnesota Historical Society.

[Urban Sustainability Directors Network](#) for local government professionals across the United States and Canada sharing best practices that can create a healthier environment, economic prosperity, and increased social equity.

[Minnesota Climate Adaptation Partnership](#) is increasing climate resilience through research, collaboration and communication.

Contact:

- Julie McDonnell, Minnesota's Lake Superior Coastal Program – Minnesota Department of Natural Resources (MN DNR), Julie.mcdonnell@state.mn.us
- Justin Otsea, Arrowhead Regional Development Commission, jotsea@ardc.org
- Jason Laumann, Northwest Regional Planning Commission, jlauman@nwrpc.com
- Bradley Harrington, MN DNR, Bradley.harrington@state.mn.us

Regional Climate Update:

Communities in Northwest Wisconsin can [view flood risk maps](#) that help to identify infrastructure and buildings at risk. Use the link to access information about the study as well as map viewers for two levels of severity of flood events.

The [Wisconsin Coastal Management Data Infrastructure \(WICDI\)](#) provides Data, Tools, and Training to Address (Wisconsin) Lake Superior Region Coastal Hazard Mapping Issues.

The [Source Water Collaborative](#) is a resource for communities seeking to protect water quality. The website is a learning and exchange network that can connect you with data, guides, and more resources.

One tool to help you consider the potential changes along the Lake Superior coast is the [Digital Coast's Lake Level Viewer](#). With this tool created by the National Oceanic and Atmospheric Administration – Office for Coastal Management, you can set the lake level and see what you can expect water depths near the shore. Make sure to look at both high and low lake levels to see how your community could be affected.

The [Climate Change Adaptation Planning Guide for the Chequamegon Bay Area](#) has been created to focus attention on priority areas for adaptation, which span multiple planning topics and will therefore require collaboration and cooperation amongst planners and across communities. It also serves as a resource for current climate change science and potential impacts to valued community assets and vulnerable populations specific to the Chequamegon Bay Area.

Contact:

- Dr. Heidi Roop, Assistant Professor and Extension Specialist, Director of Minnesota Climate Adaptation Partnership, University of Minnesota Department of Soil, Water and Climate. Email: hroop@umn.edu
- Kim Channell, Climatologist, Great Lakes Integrated Sciences + Assessments (GLISA). Email: kimchann@umich.edu
- Dr. Meghan Salmon-Tumas, Assistant Professor of Climate Science, Northland College. Email: msalmontumas@northland.edu

A Tour of Climate Change Impacts in our Region

[Summary of climate concerns and priorities](#), as indicated in responses to Forum registration questions

Contact: Amber Westerbur, Minnesota's Lake Superior Coastal Program, amber.westerbur@state.mn.us

Community Stories: Climate Mitigation and Adaptation

The Fond du Lac Band of Lake Superior Chippewa doesn't manage their forests, they are in relationship with them. Climate change poses an existential threat to this sacred relationship, along with the band's culture, traditions, and ways of life. That's why Fond du Lac is taking climate action now with the next seven generations in mind. [Protecting Our Elders: Fond Du Lac Band - YouTube](#)

Take a closer look into the [Fond du Lac Band's accomplishments](#) in energy efficiency and conservation, energy generation and sustainable economic development.

Learn more about St. Louis County's climate mitigation projects on [St. Louis County Property Management web page](#).

Contact:

- Bruno Zagar, Environmental Specialist, Fond du Lac Band of Lake Superior Chippewa, BrunoZagar@FDLREZ.COM
- Pete Miller, Capital Planning Manager, St. Louis County, MillerP@StLouisCountyMN.gov
- Jim Filby-Williams, Director of Property, Parks, and Libraries, City of Duluth, jfwilliams@DuluthMN.gov

Breakout discussion facilitator contact:

- Mindy Granley, Sustainability Officer, City of Duluth mgranley@duluthmn.gov
- Shane Steele, Sustainability Coordinator, City of **Grand Marais** sustainability@grandmarais.city
- Jennifer Davis, (Minnesota) State Hazard Mitigation Officer, jennifer.e.davis@state.mn.us

Tools to Expedite Climate Action

[Minnesota GreenStep](#) is a voluntary challenge, assistance, and recognition program to help cities achieve their sustainability and quality-of-life goals. This free continuous improvement program, managed by a public-private partnership, is based upon a menu of 29 optional best practices.

St. Louis County Public Works Department Municipal Separate Storm Sewer System (MS4) regulatory program virtual public meeting on [Stormwater pollution prevention](#) activities. This video provides clear and helpful explanation of community stormwater and wastewater systems, regulations, pollution sources, and resilience strategies.

Contacts:

- Kristin Mroz, Program Co-Director, Minnesota GreenStep Cities and Tribal Nations Program, kristin.mroz-risse@state.mn.us
- Carol Andrews, P.E., Environmental Engineer, St. Louis County Public Works Department andrewsc@stlouiscountymn.gov
- Abby Finis, Senior Energy Planner, Communities, Great Plains Institute afinis@gpisd.net
- Peter Lindstrom, Manager of Public Affairs and Community Engagement, Minnesota Clean Energy Resource Teams plindstr@umn.edu

Closing

Twin Ports Climate Conversations (TPCC) is a monthly opportunity for community dialogue about questions of climate change. TPCC covers different topics monthly, focusing on perspectives of climate change impacts, adaptation responses, and opportunities for mitigation and resilience. These conversations are organized, coordinated and facilitated by staff from multiple agencies. You are invited to join the conversation. Sign up to receive notice of events: [Twin Ports Climate Conversations](#)

If interested in Coastal Hazards Community of Practice (CHAOS), contact Sarah Brown sarah.brown@wisconsin.gov to join the mailing list.