Jennifer Josephs

EDUCATION

Conflict Analysis And Resolution – Ph.D., Nova Southeastern University (*Dissertation Topic:*

Agricultural Biotechnology: Perception And Validation Of Safety And Knowledge From Research To Regulation)

TESL – M.A., St. Cloud State University (Thesis Topic:

Native American Language And Cultural Revitalization)

ANTHROPOLOGY – B.A., University Of MN, Duluth

WORK

Social Science Researcher/Trainer
Non-profit Program Director/Project Manager/Coordinator
University Instructor

The views expressed in this presentation are those of the author, and do not necessarily reflect the views or policies of the US Government or The Environmental Protection Agency.





Boozhoo - Mílgwich - Odaaponík nindílasemaa

Anishinaabe-Ojibwe language and culture immersion camp, Rainy River District, Canada

Foundation for revitalization:

- intergenerational
- culturally-oriented
- experiential

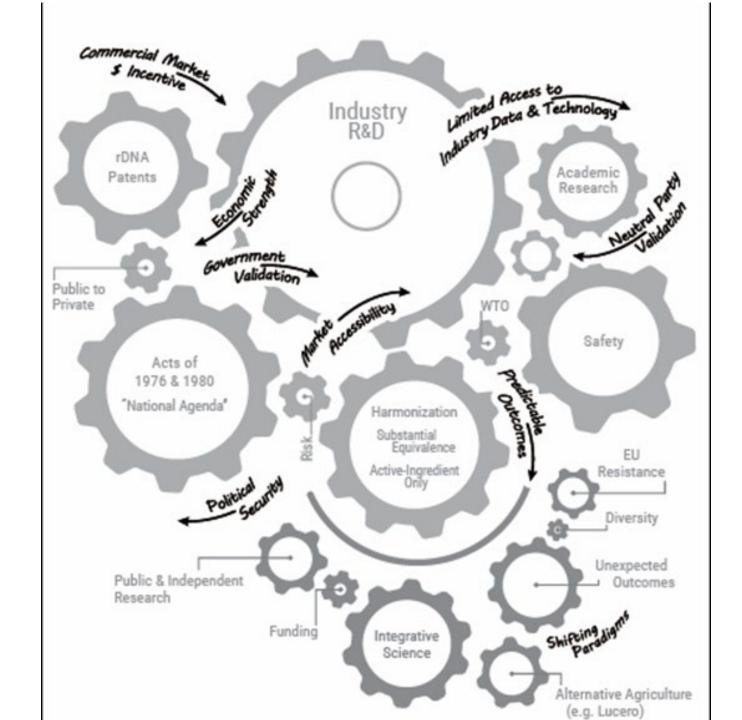


Case study (Pre-EPA)

NK-603

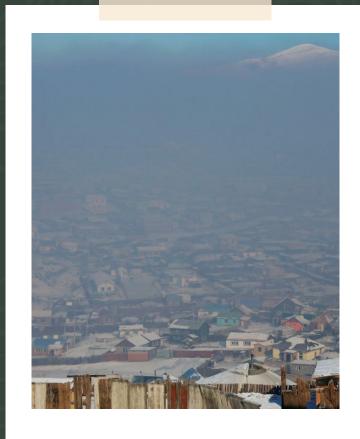
(Round-Up Ready Corn)

Systems perspective:
How knowledge
influences perceptions
of safety and validity









Case Study

Mongolian pastoralism, climate change, and intrusive globalization: cultural and psychosocial impacts





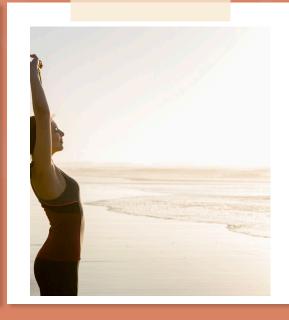


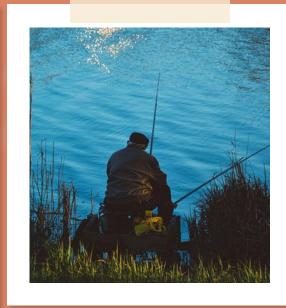
Human Well-Being in Great Lakes Areas of Concern:

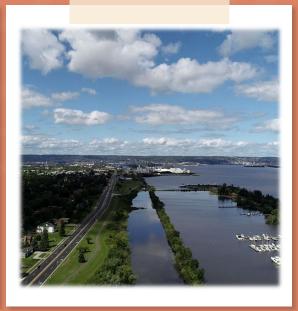
a social science perspective







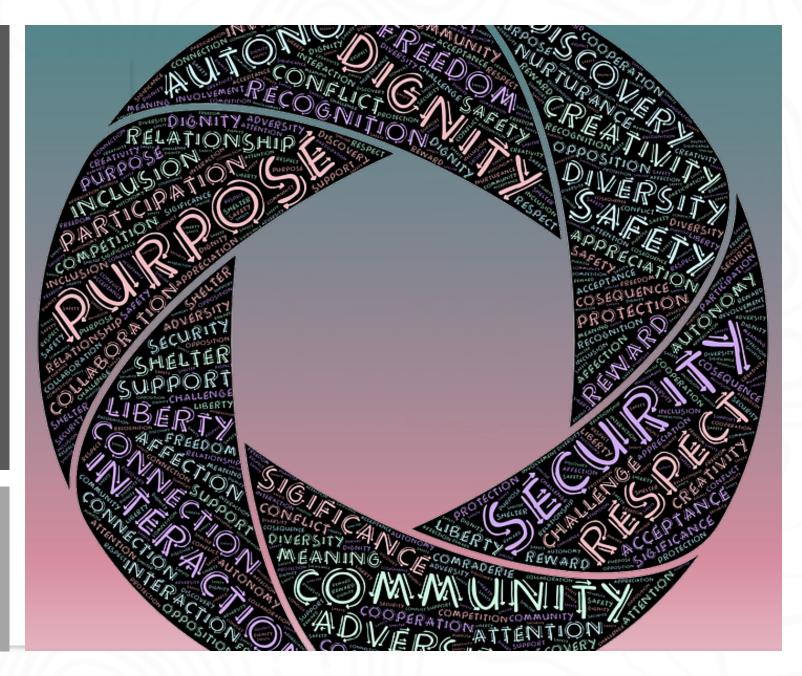




Project 1:

AOC public engagement, outreach, and outcomes

Who participates? Who benefits?





Typical Research Subjects

- Government
- Academics
- Technical Experts
- Non-profits

Whose voice is missing?

POWER RELATIONS

Awareness Expertise Validation Influence



Community Impact

Who is impacted? How are they impacted?

Funding Priorities:

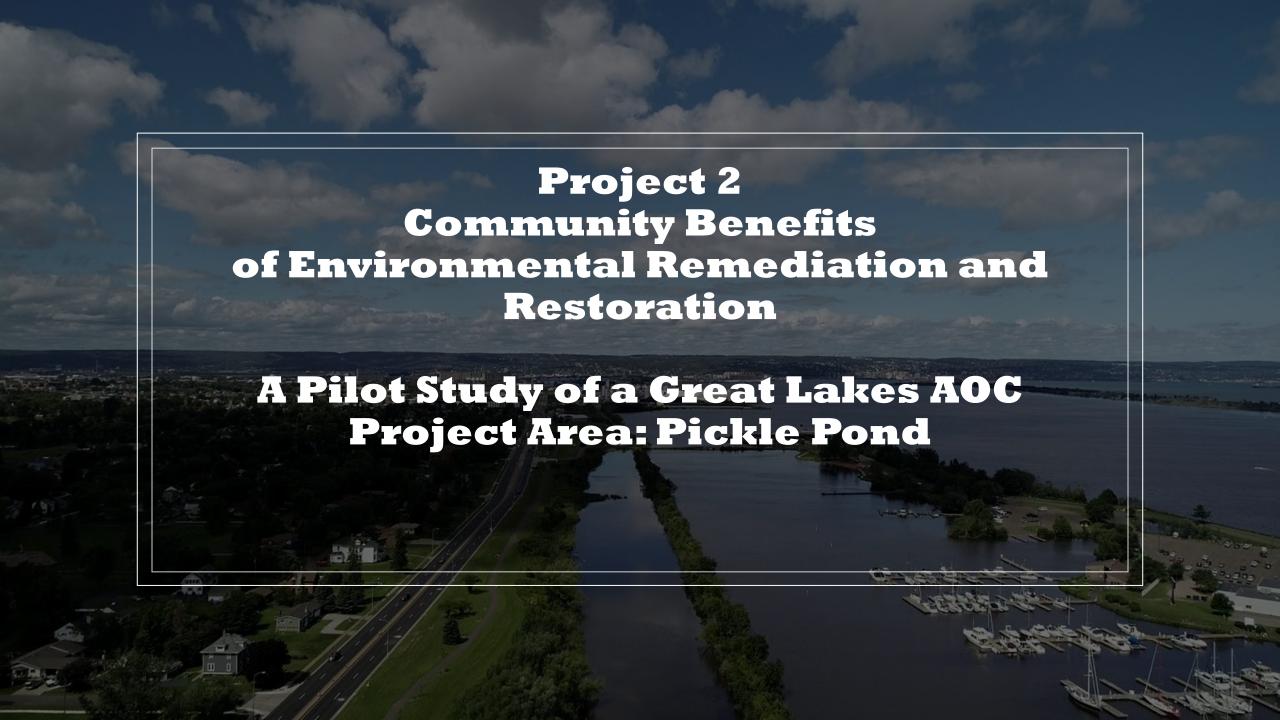
- How do relational dynamics of stakeholders influence equity and justice?
- Is there a relationship between redlining patterns and AOC funding distribution?

Tribal Focus

How do the interests and values of area Native
 American populations inform the AOC process and influence the outcomes?

Tools, Techniques, and Indicator Development

- Develop creative engagement tools to promote broader awareness and engagement.
- Develop monitoring criteria to indicate changes in health and human well-being in relation to AOC actions.



Where:

Superior, WI

Why This Site:

Dredging contaminated sediment
Restoration and revitalization baseline data
Reasonable project scope and timeline

Timeframe:

Baseline data collection 2020-2022 *Post-project data collection 2023-2024

Pickle Pond



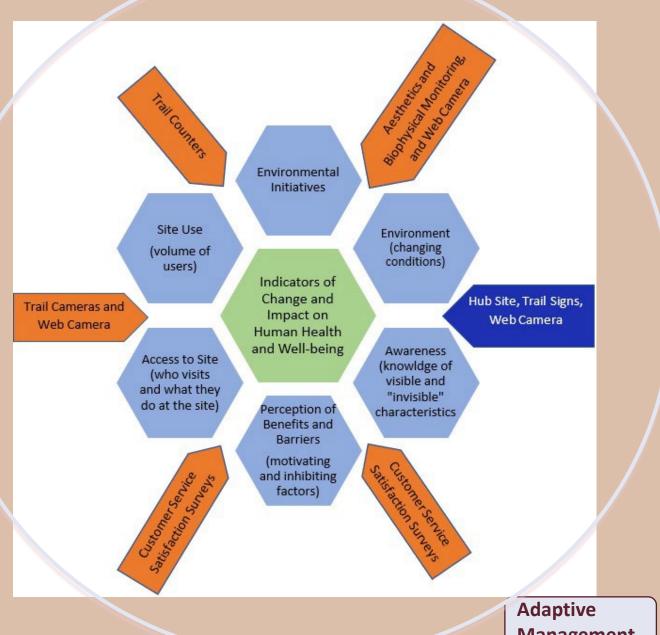




Factors Influencing Human Health and Well-being

Methods to Measure and **Assess Change**

Methods for Public **Engagement and Outreach**



Management









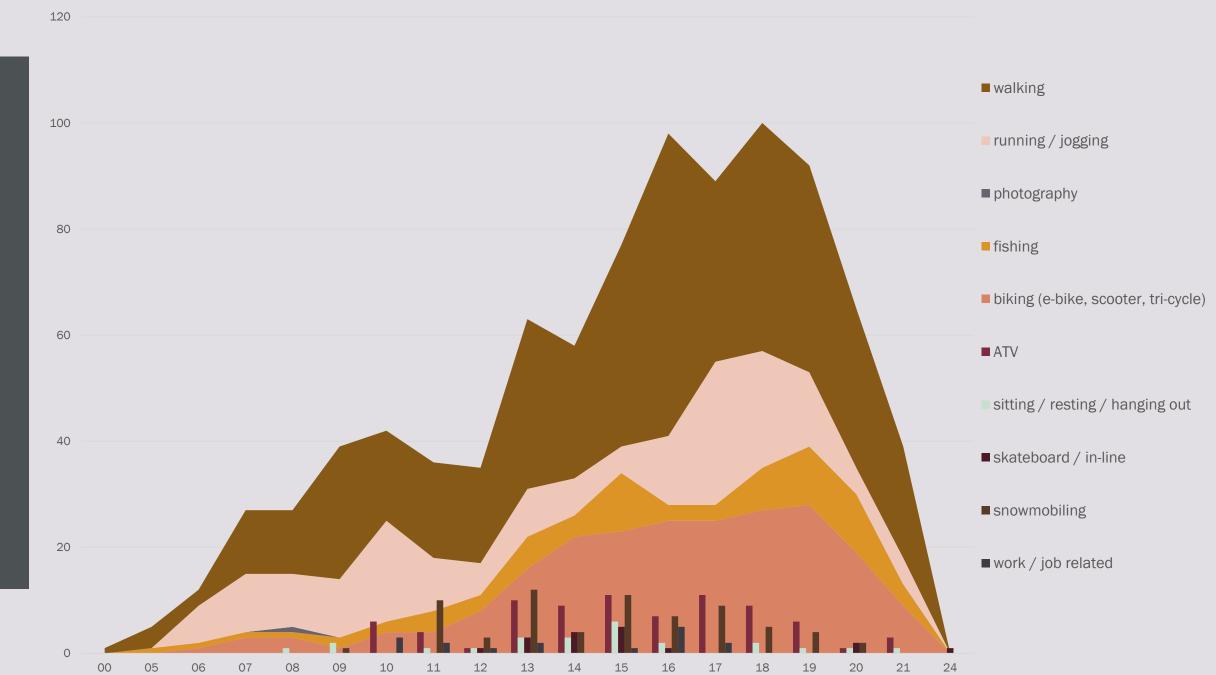






Activities YOU like to do in or around a particular lake or river

Work?
Exercise?
Forage?
Birding?
Fish?
Other?

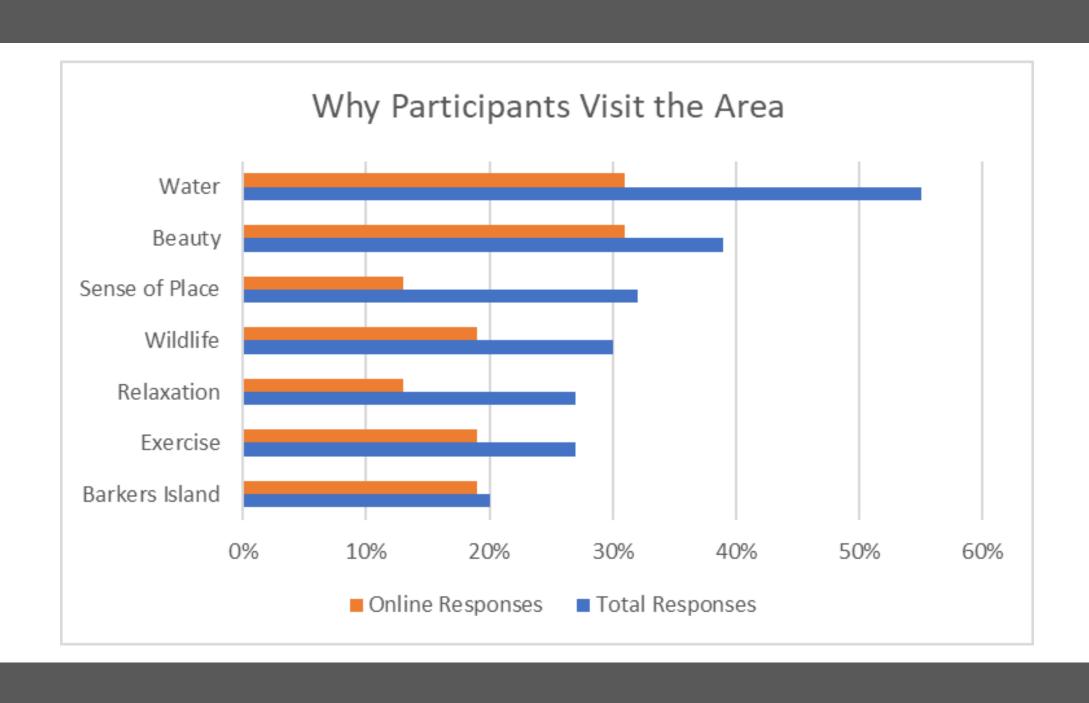


Think about that lake or river and what it is about the area that attracts you.

In other words, ...

- What does this place mean to you?
- How do you benefit by being here?
- Why is this place special to you?





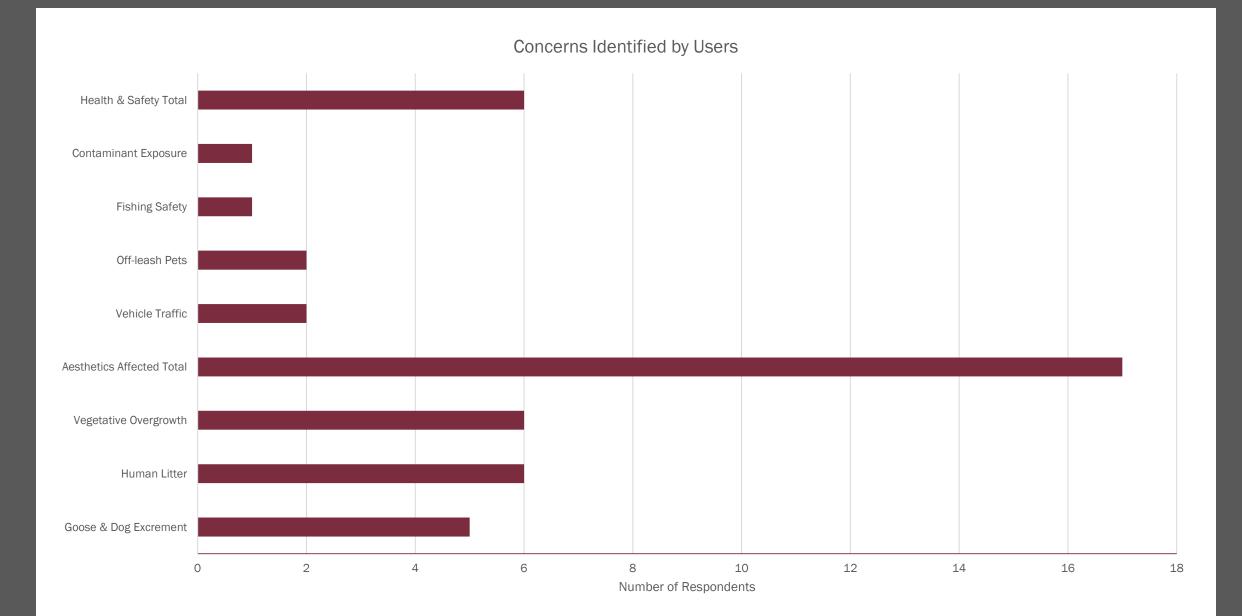
Desired Change

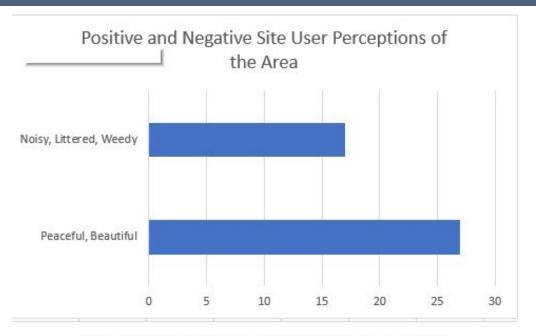
- What is your vision for area improvements?
- Is there anything you would like to see changed in the area in or near the lake or river where you work, recreate, or relax?



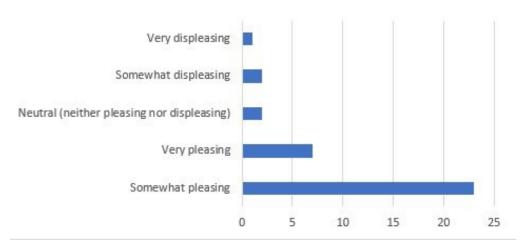








Overall Site Rating from Aesthetics Monitoring Team



Next Steps

- Complete baseline data collection/analysis and initial write-up
- Collect and analyze project and postproject data
- Final write-up; suggestions for modifications and transferability





Project 3
Climate
Change
and
Mental
Health

Solastalgia Ecological Grief – Environmental Trauma

Solastalgia relates to the pain experienced when there is recognition that the place where one resides and that one loves is under immediate assault (physical desolation).

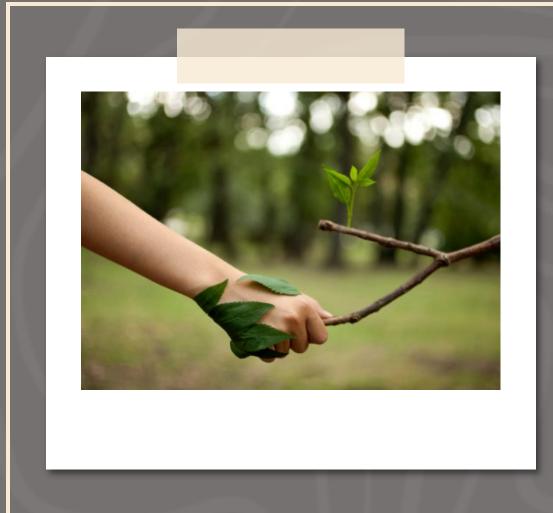
It is manifest in...

- an attack on one's sense of place,
- in the erosion of the sense of belonging (identity) to a particular place and
- a feeling of distress (psychological desolation) about its transformation (Albrecht, et al., 2007)

Solastalgia has been related to a breakdown between an individual's identity and their environment – negative emotional responses that can influence engagement with effective coping responses and paralysis or inaction towards negatively perceived environmental change (Phillips and Murphy, 2021).

Albrecht, G., Sartore, G. M., Connor, L., Higginbotham, N., Freeman, S., Kelly, B., ... & Pollard, G. (2007). Solastalgia: the distress caused by environmental change. *Australasian psychiatry*, 15(sup1), S95-S98.

Phillips, C., & Murphy, C. (2021). Solastalgia, place attachment and disruption: insights from a coastal community on the front line. Regional Environmental Change, 21(2), 1-14.



RESILIENCE



