

Climate change impacts to First Foods and Swinomish Community Health

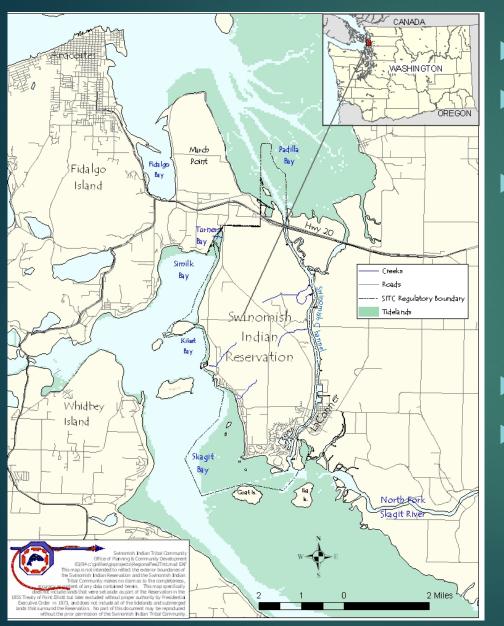








Swinomish Indian Tribal Community



of Point Elliott:
gn nation

ion: ~3,000 acres ands + ~7,000 acres

> vation 90% unded by water

"When the tide is out the table is set."

Native Voices: Climate Change and Pacific Northwest Tribes

https://youtu.be/1uiVaHuzEe4



Swinomish Project Overview: Impacts to First Foods & Tribal Community Health and Well-being (EPA STAR #83559501, 2014-2017)







Starting from a place of Indigenous health and well-being

Work • Sharing • Relations

✓ q^wiqcut ~ RESILIENCE

Self-Esteem • Identity • Sustainability

Healing & Restoration • Development • Trust

× žəčusadad ~ EDUCATION

The Teachings • Elders • Youth

→ yayusbid ← CULTURAL USE

Respect & Stewardship • Sense of Place • Practice

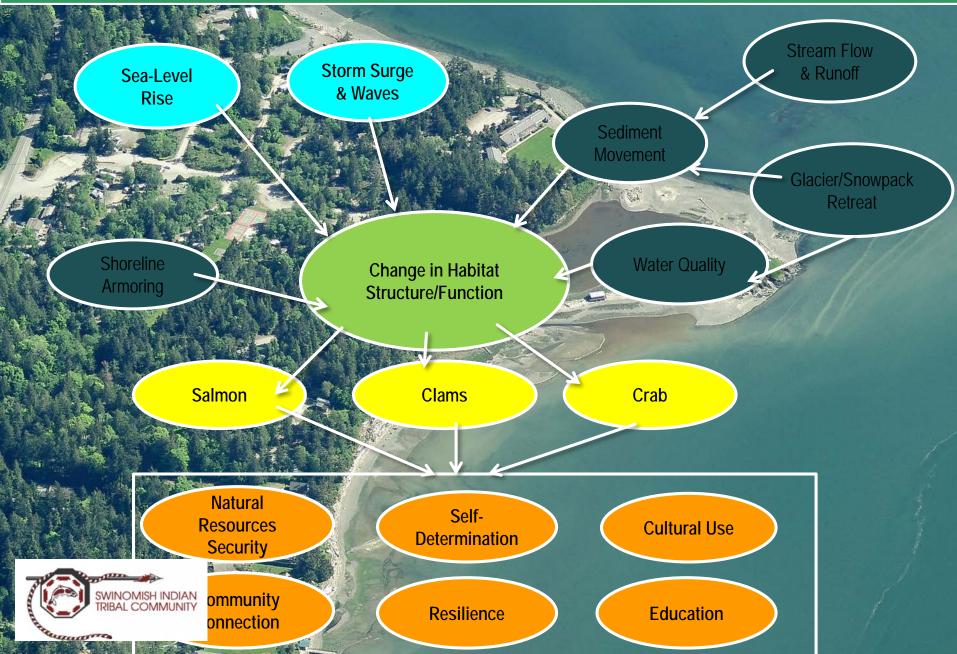
✓ s?utixdx^w ti swatix^wtəd
✓

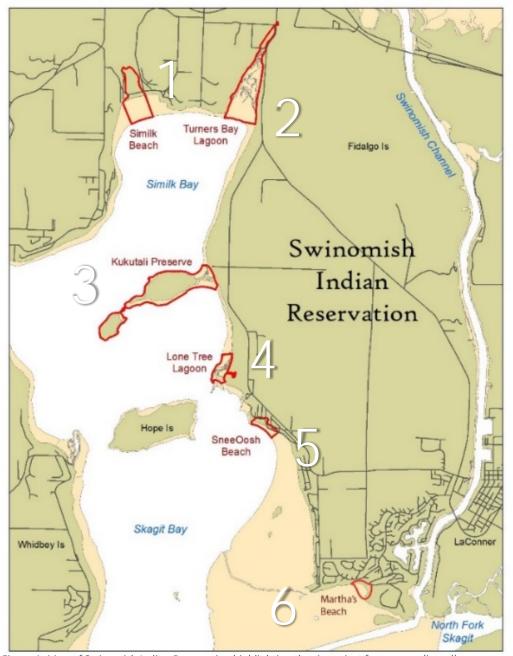
NATURAL RESOURCE SECURITY

Quality • Access • Safety

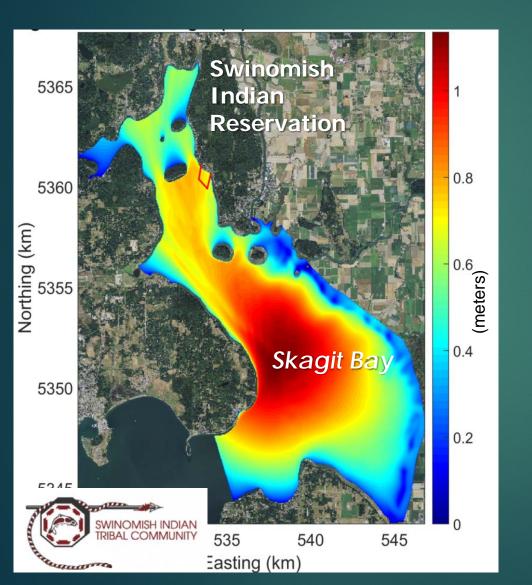


Coastal Climate Change Impacts to Swinomish First Foods and Indigenous Health Indicators

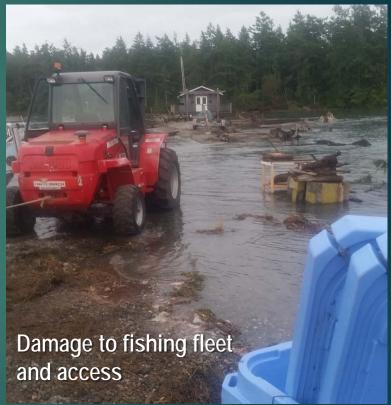




 $\textit{Figure 1: Map of Swinomish Indian Reservation highlighting the six project focus areas (in \textit{red}).}\\$



Lone Tree Lagoon, Swinomish



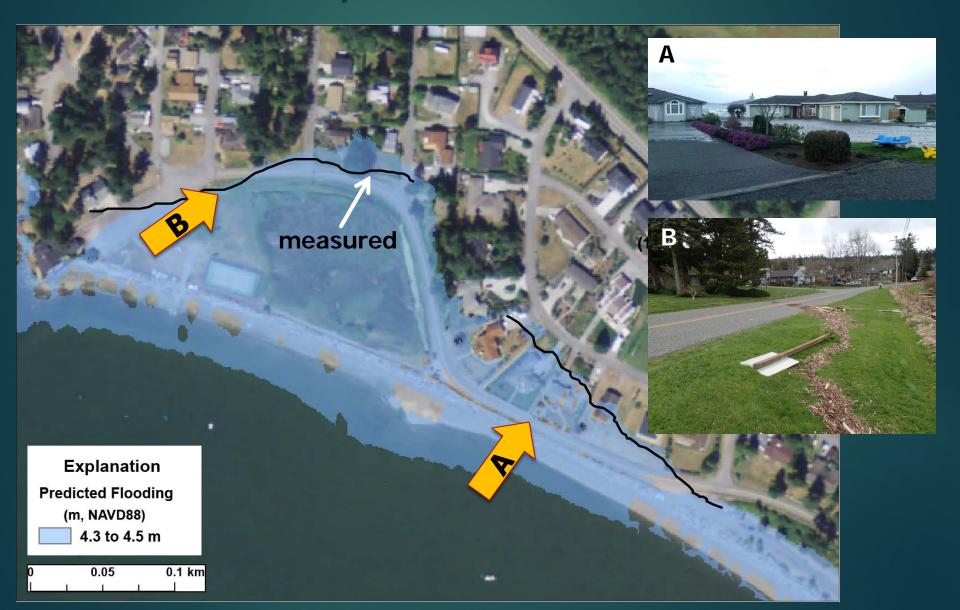
Impact to salmon habitat (Lone Tree Pocket Estuary)

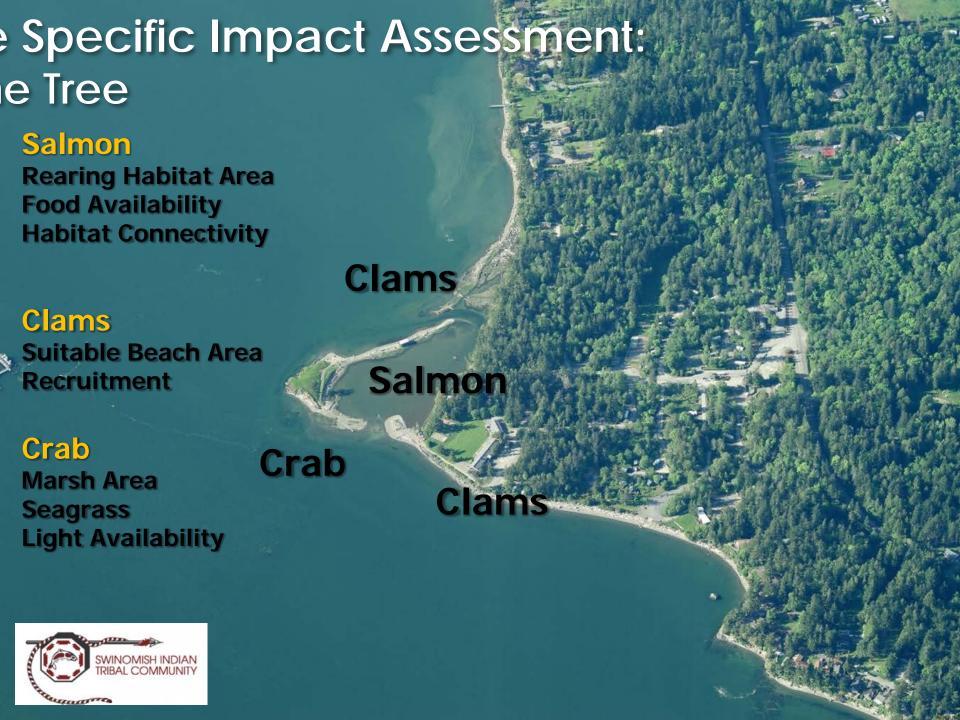
Snee-Oosh Beach during storm, early 2016



Model vs Real Life Water Levels

Snee-Oosh: The 100-yr Storm Event More Often?







FIRST FOOD	Similk Beach	Turners Bay	Kukutali Preserve	Lone Tree Lagoon	Snee-Oosh Beach	Martha's Beach
Salmon	M	M	МН	Н	M	M
Crabs	МН	M	МН	MH	MH	ML
Clams	МН	M	M	MH	M	NA
Overall (15)	11	9	11	13	10	6











Project scope &



Scenarios





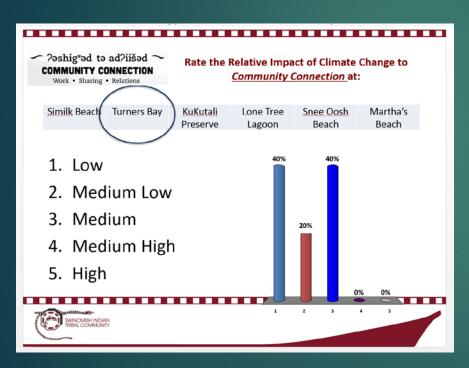


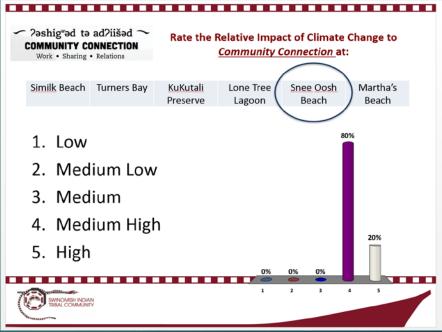






Rate Relative Impact of Climate Change to Community Connection

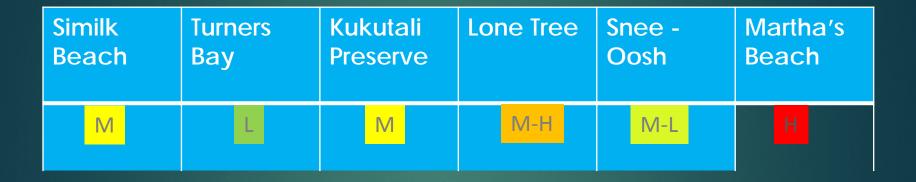






~ ?əshigwəd tə ad?iišəd ~ COMMUNITY CONNECTION

Work • Sharing • Relations







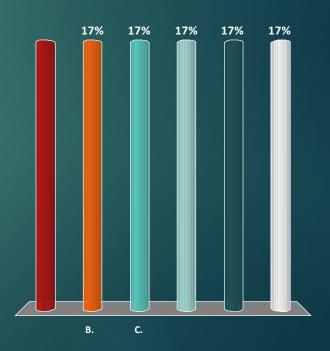
Rank the order of importance to protect from climate change impacts:

1 is most important (press that one first) 6 is least important (press that one last)

Α.

- B. Community
 Connections
- C. Cultural Use and Practices
- D. Self-Determination
- E. Resilience
- F. Education



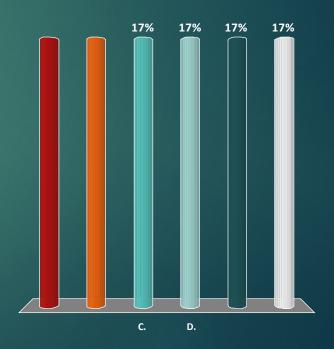




Rank the order of importance to protect from climate change impacts:

- 1 is most important (press that one first) 6 is least important (press that one last)
- A. Similk Beach
- B. Turners Bay
- c. KuKutali Preserv
- D. Lone Tree
- E. Snee Oosh Beach
- F. Martha's Beach





Next Steps

tigwicid Thank you









Beach seining at Lone Tree.—Photo by: Tyler Long

Icampbell@Swinomish.nsn.us

jdonatuto@Swinomish.nsn.us