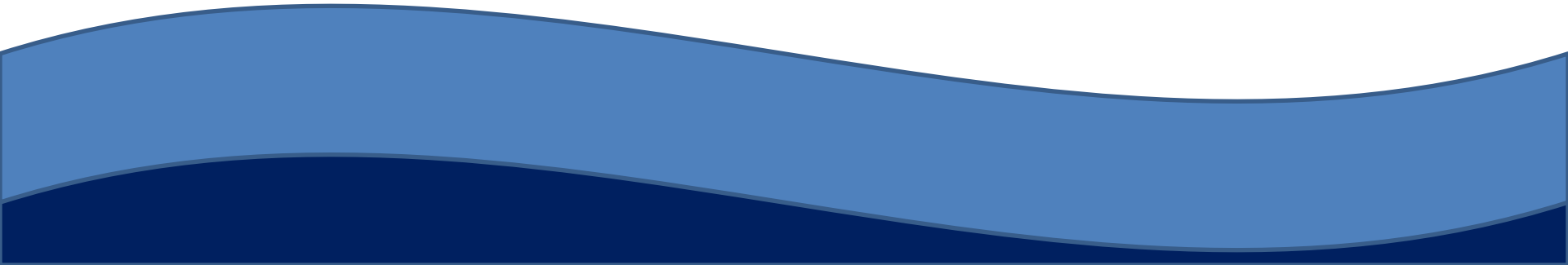
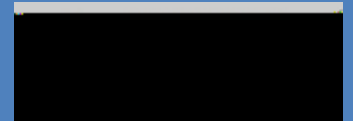
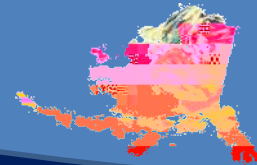
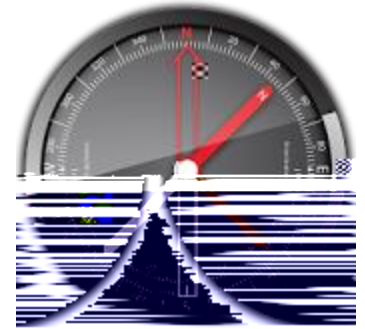


People in the 21st Century

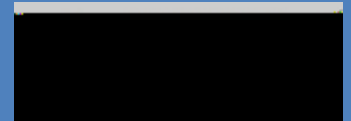
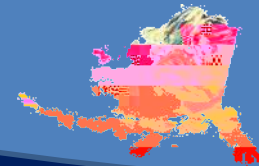
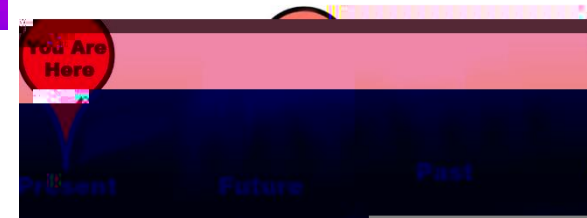
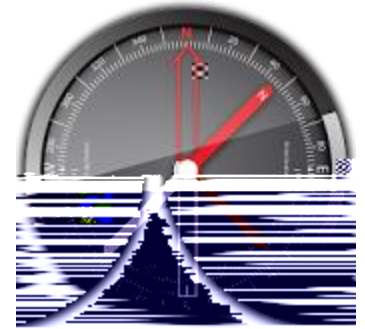
Map, compass, and



Map, compass, and knowledge of place



Map, compass, and knowledge of place

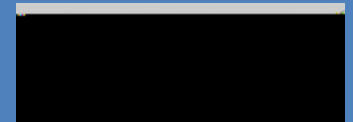
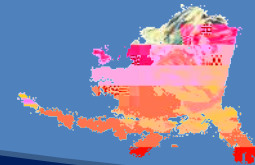


Salmon and People as complex adaptive systems

What ought to be sustained is an
variables:

between three dynamic

- Arthur McEvoy 1996

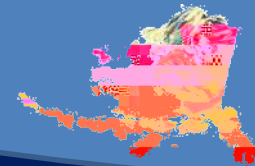


Salmon and People as complex adaptive systems

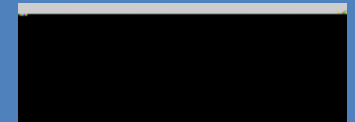
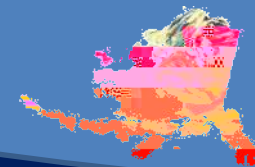
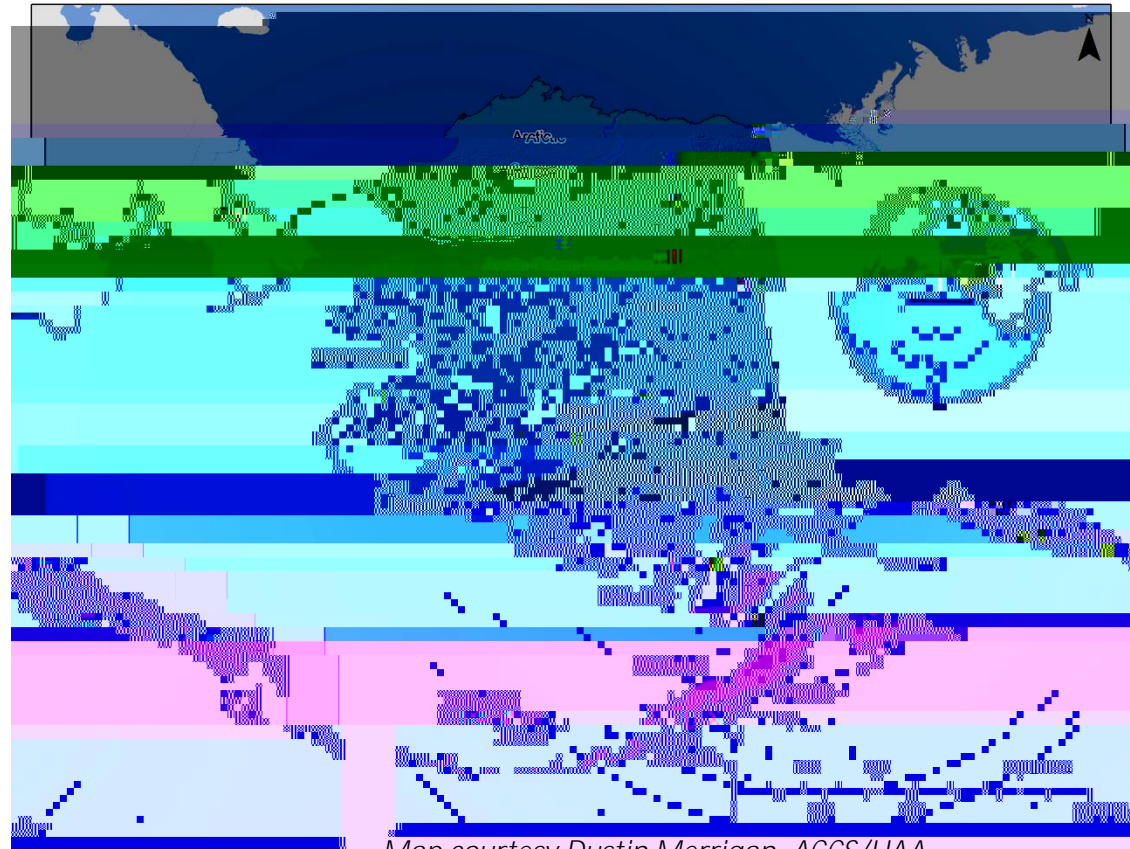
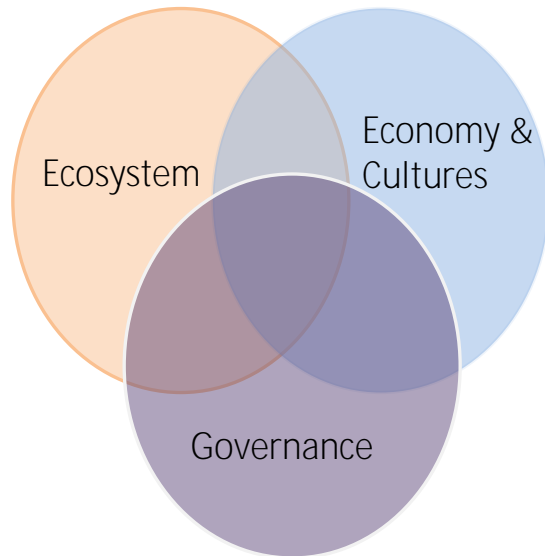
Salmon and People as complex adaptive systems

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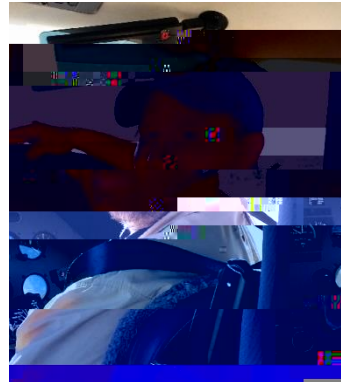
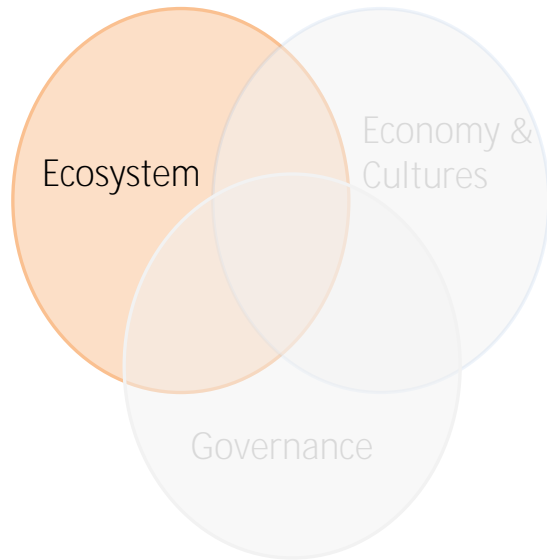


Examination of the three variables at statewide scale

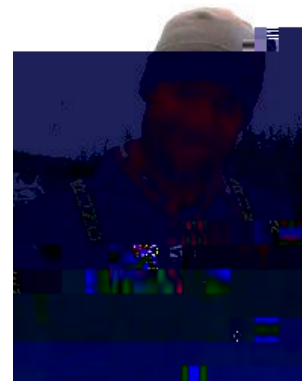


Bio-physical working group

()



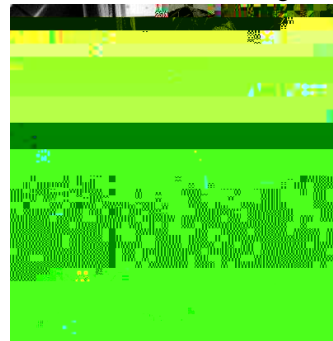
Peter Westley



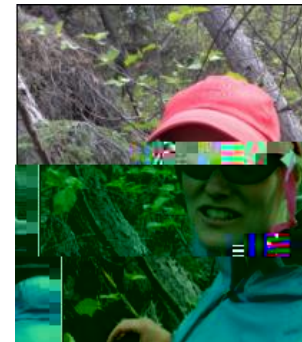
Dan Rinella



Stephanie Quinn-Davidson



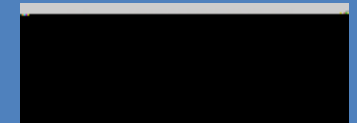
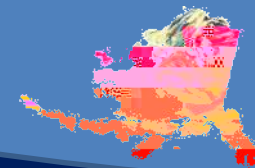
Madeline Jovanovich



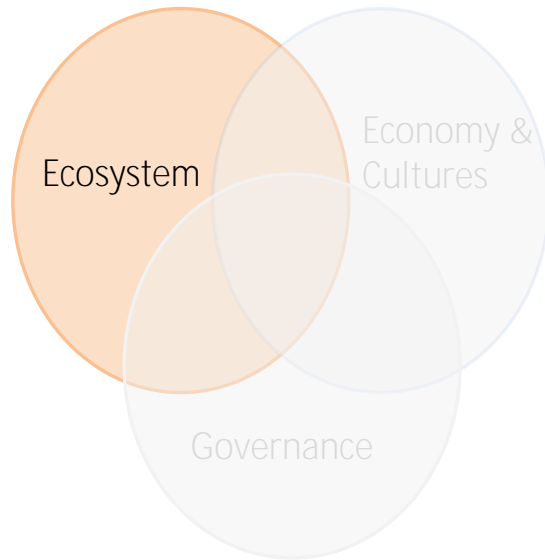
Becky Shaftel

Additional support from:

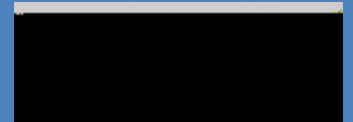
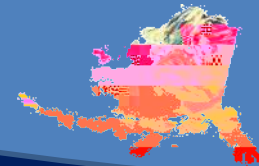
Matt Sloat
Brian McKenna
Rich Brenner
Jon Gerken
ACCS Team



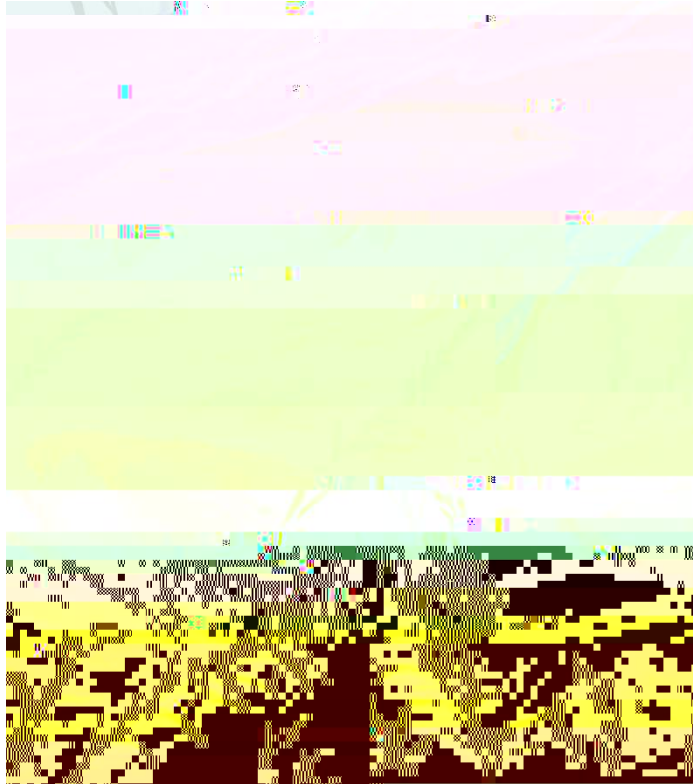
Biological System - First steps



1. Abundance and productivity
Data from over 650 sites, from 1955-2016, > 1 Billion counted fish
2. Age and size structure (escapement quality)
3. Distributions (e.g. Anadromous Waters Catalogue, colonization of Arctic, use of marine habitat)

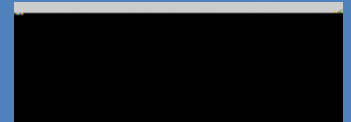
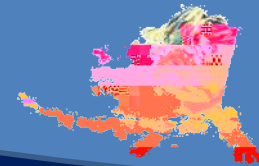


Physical system-identifying data to address 4 Cs



Artwork by 'Salmon & Society' student Alix Connor

1. Cold (e.g. water temperature; Cook Inlet Keeper; SNAP)
2. Clean (presence of invasive species, extent of urbanization, water quality)
3. Complex (Riverscape Analysis Project)
4. Connected (culverts and fish passage)



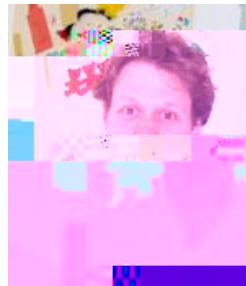
Sociocultural and Economic



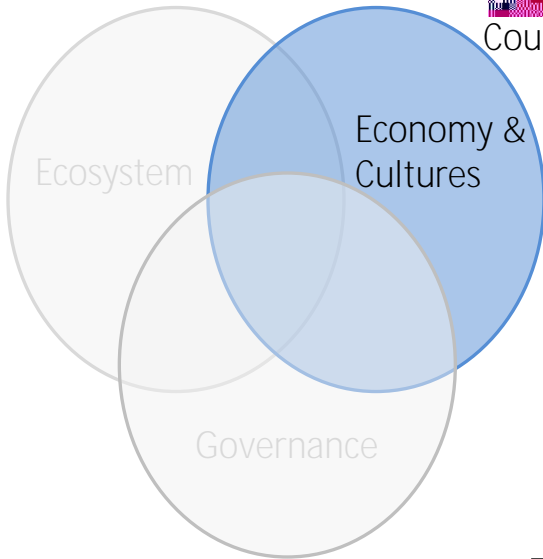
Courtney Carothers



Jessica Black



Toby Schworer



UAA emeritus

ADF&G

*Yukon River Intertribal
Fish Commission*

AMCC

UAA ISER

ADF&G

UAF

*Native Village of
Kotzebue*

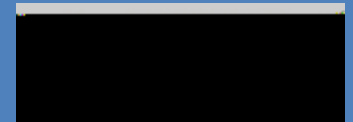
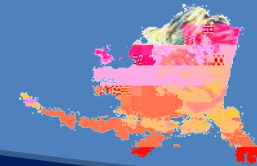
Central Council

Tlingit & Haida Indian Tribes of Alaska

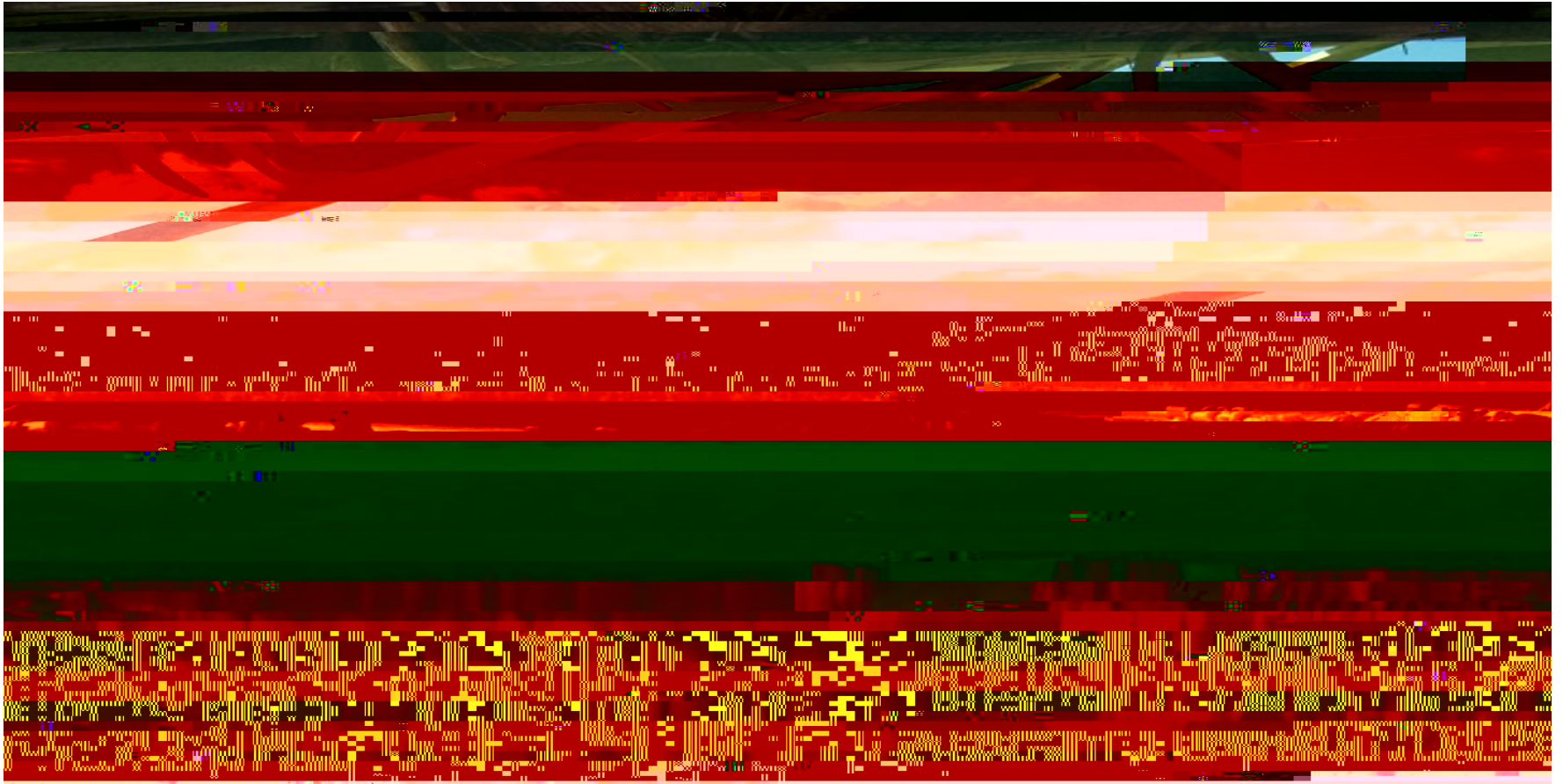
Kawerak

UAF

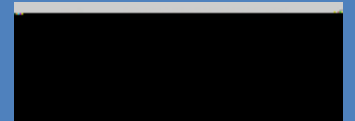
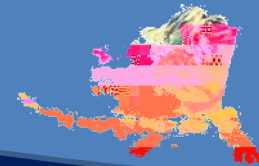
UAF



Guiding Principles



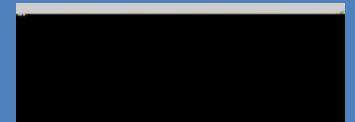
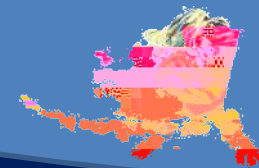
Brooke Wright



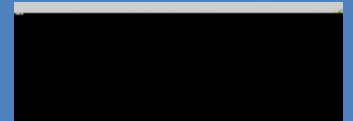
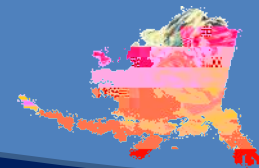
To summarize:



Peter Westley

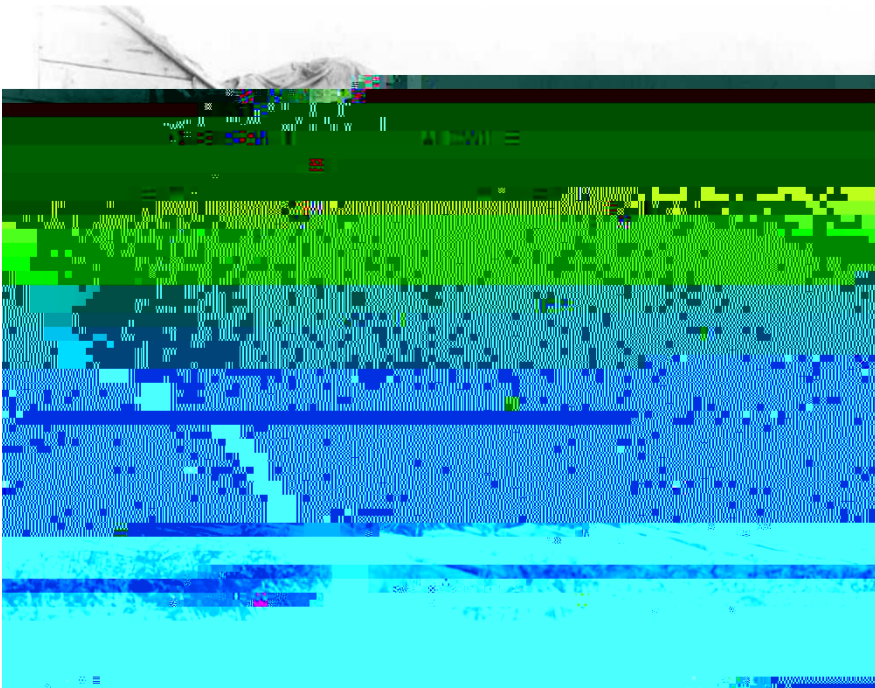


To summarize:



Governance

Some major goals are to:



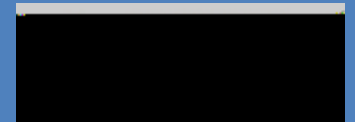
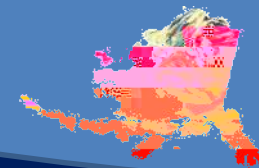
Humans have been interacting with salmon in Alaska for over 10,000 years.

Identify the concepts, institutions, policies and processes which have guided these interactions through time

Describe indigenous processes of engagement and utilization of salmon, with emphasis on subsistence, through historical and ethnographic research

Summarize contemporary practices of indigenous governance through interviews with elders

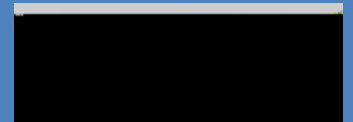
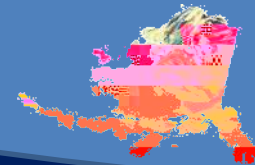
Use historical records to describe post-contact systems of governance including, Russian, federal and state



Some expected outcomes:

Identification of critical policies that guide governance as result of court decisions

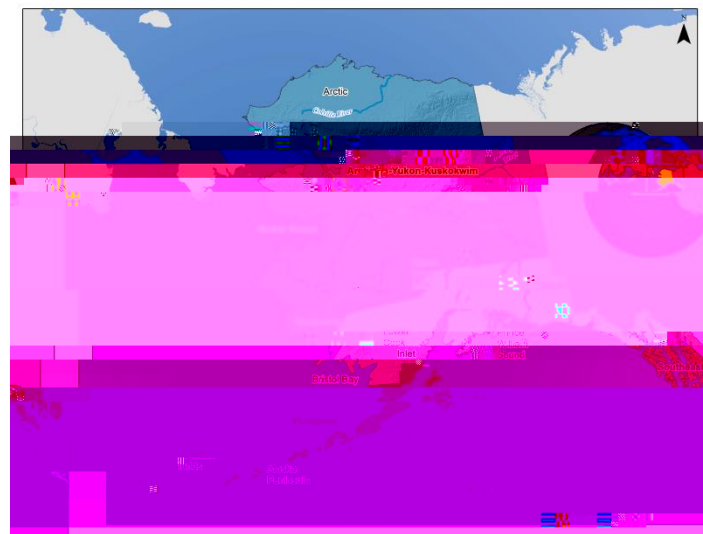
Increase awareness of databases that provide evidence of



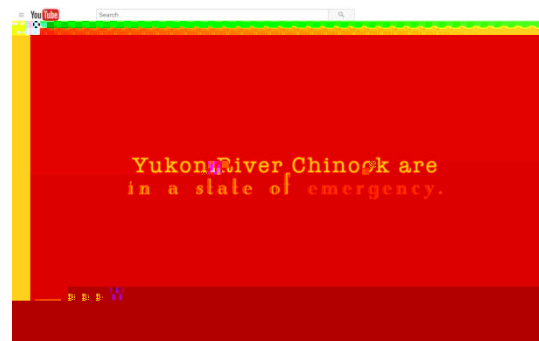
SASAP project communication



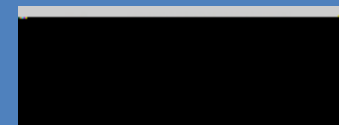
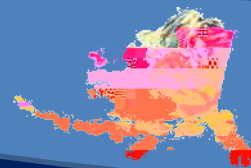
Publications written for wide audiences



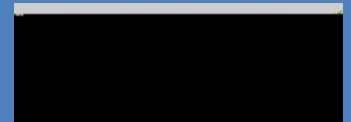
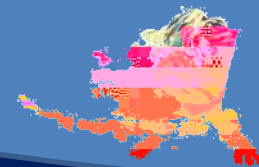
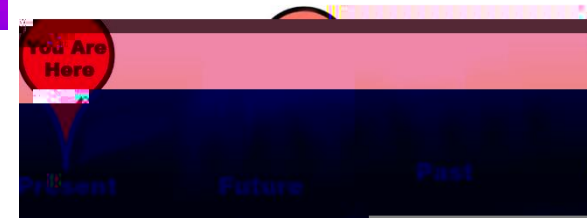
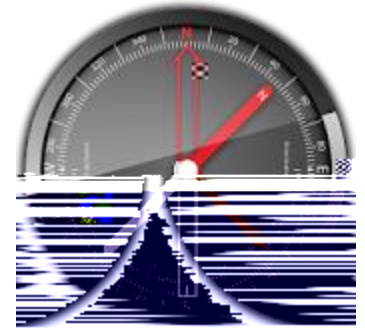
Web-based interaction tools



Short-films



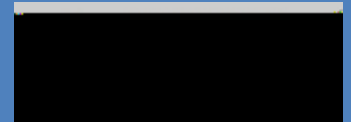
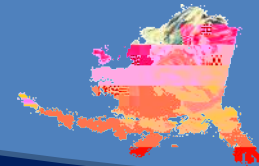
Map, compass, and knowledge of place are necessary but not sufficient



Collective need to decide what sort of world we want



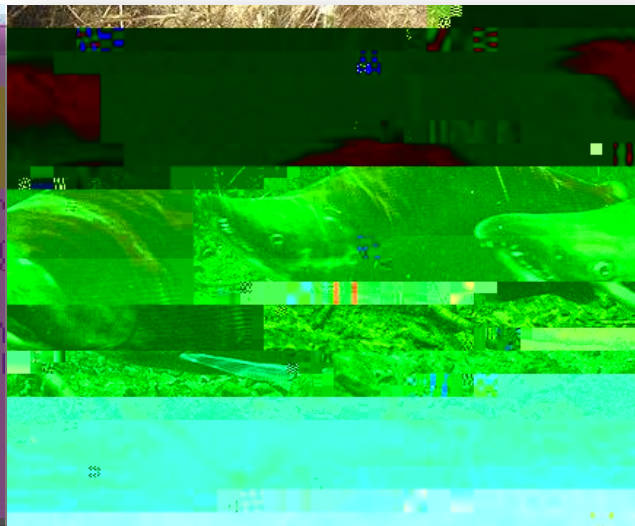
Photos: salmonlife.org; google images; Donna Hauser; Michael Westley



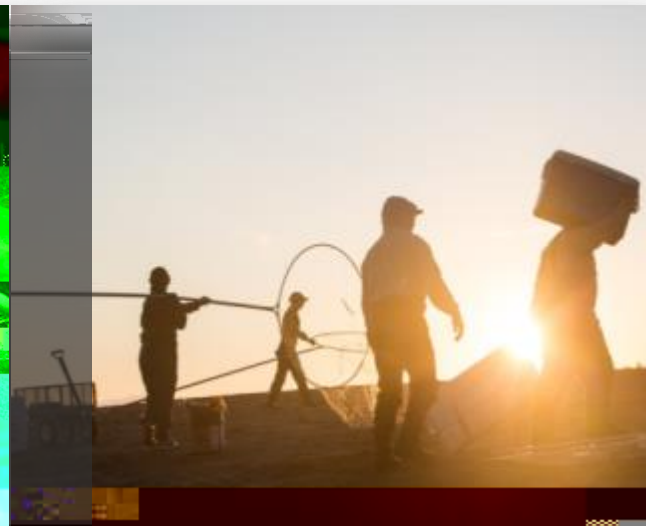
State of Alaska's Salmon & People in the 21st Century



Kerry Tasker



Jonathan Armstrong



Nathaniel Wilder

Peter Westley (pwestley@alaska.edu)

Department of Fisheries, College of Fisheries and Ocean Sciences, UAF

