Southcentral Test Case Social Science Update: Values, Survey, & Integration

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UNIVERSITY OF ALASKA ANCHORAGE

Award # OIA -1208927
SCTC Research Goals

- Understand the role and interactions of multiple drivers of social-ecological change in the Kenai River watershed.
- Measure the hydrological, landscape, and associated social changes occurring in the Kenai River watershed.
- Determine the societal consequences of these changes for Kenai communities.
- Identify contributing factors leading to adaptive capacity for the Kenai as a response to these changes and consequences.
SCTC Research Goals

- social changes linked with hydro/landscape change
- societal consequences
- adaptive capacity

→ Main aspects today: focus groups, values mapping and SCTC survey, integration
Focus Groups

- To explore changes in environmental and community and discuss responses/barriers to change

- Themes
  - Demographic change
  - Development
  - Values
  - Capacity
  - Resource use
  - Comparison to PNW fisheries

- Input for broader survey

- Implications
  - Adaptive capacity prediction: Core values of residents will influence the kinds of adaptive strategies that are adopted or suggested
Questions from focus groups

- How to approach a situation where core values seem to potentially be at odds with protective regulations, and policymakers may not act?

- Approaches:
  - Summit (clear scenarios and goals)
  - Community video
  - Analysis of 50 ft setback
  - Further data collection: mailout survey with mapping component
Mailout Survey

Your Values and Experiences on the Kenai

A Survey of Kenai Peninsula Residents 2013-14

You have been randomly chosen from a list of Kenai Peninsula residents to participate in a study conducted by the University of Alaska Anchorage about landscape change on the Kenai Peninsula. Participation is completely voluntary. The summary results from the study will be used with local residents and community groups to provide an understanding of local residents’ values and experiences that will assist in the identification of appropriate ways to respond to any changes.

Enclosed is a gift for you in recognition of your time and effort. Your answers will remain anonymous with no identifying information requested. There are no foreseeable risks in participating. This questionnaire will take approximately 20 minutes. You must be 18 or older to participate. By mailing us your completed questionnaire, you are indicating your consent for the use of your

We need your help! Thank you for taking the time to share your knowledge!

Please return your completed questionnaire and map in the enclosed prepaid envelope to:

ATTN: Sarah Wandresse
Department of Biological Sciences
University of Alaska Anchorage
3211 Providence Drive
Anchorage, AK 99508

If you have any questions about this study, questionnaire, or individual questions, please call: 907-786-7749.

If you have any questions about your rights as a research participant contact Research Integrity & Compliance Officer Dr. Dianne Tobe at 907-786-1699.

Section A: Kenai residency and outdoor activities

In the first section, we ask about your experience on the Kenai Peninsula and outdoors.

1. How long have you lived in Alaska? ________ Years
   □ I have never lived in Alaska - If so, discontinue survey

2. How long have you lived on the Kenai Peninsula? ________ Years
   □ I have never lived on the Kenai Peninsula - If so, discontinue survey

3. Where is your current main residence (where you spend most of the year)?
   a) Soldotna
   b) Sterling
   c) Kenai
   d) Cooper Landing
   e) Anchorage
   f) Other: __________________________

4. After 2013, how long do you plan to stay on the Kenai?
   a) < 1 yr
   b) 1 - 5 yrs
   c) 6 - 10 yrs
   d) 10 - 20 yrs
   e) the rest of my life

5a. Do you fish or do you have household members that fish the Kenai River?
   □ No (move on to #6)
   □ Yes

5b. If yes, how many times do you visit the following areas in a typical fishing season?
   Beaver Creek __________ times Other: __________ times
   Russian River __________ times Other: __________ times
   Parmigian Creek __________ times Other: __________ times
Kenai Peninsula

Use this map for the 2 values mapping exercises (directions in the enclosed survey).
Survey Plan

- **Implementation**
  - Mapping activity stickers from Seattle
  - Mailout in November
  - ~1,500 households for mailing
  - Introductory postcard, survey packet, reminder postcard

- **Integration**
  - Contains some questions that can be connected to Southeast test case questionnaire
  - Included feedback from many parts of the test case and CIS team and incorporates information that can be used by rest of test case and for understanding adaptive capacity
SCTC Integration

- Teleconferences
- Conference presentation – Arctic Science Conference
- Sharing data – IRB approved
- Sharing schedules and activity plans
- Integration paper

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<thead>
<tr>
<th>Date</th>
<th>Activity</th>
<th>Personnel</th>
<th>Location</th>
<th>Purpose</th>
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</thead>
<tbody>
<tr>
<td>8/21-23/2013</td>
<td>Site visits and test case discussion</td>
<td>Mark Wipfli, Daniel Rinella, Sarah Wandersee</td>
<td>Locations around Soldotna</td>
<td>Connect with new PhD student Courtney and familiarize with current aquatic ecology approach and sites.</td>
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<tr>
<td>9/5/2013</td>
<td>Opportunistic recruitment for gen. pop. focus group</td>
<td>Chris Bender, Sarah Wandersee</td>
<td>Grocery stores and other public locations, Soldotna, Kenai</td>
<td>Identify and solicit the participation of local Kenai community in the focus group (Sept. 11)</td>
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<td>9/9-12/2013</td>
<td>Focus groups (experts and general population)</td>
<td>Jim Powell, Sarah Wandersee, Chris Bender</td>
<td>Kenai Watershed Forum</td>
<td>Gather information for survey development, in-depth discussions about target issues</td>
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<td>9/25-23/2013</td>
<td>AAAS Arctic Science Conference</td>
<td>Sarah Wandersee</td>
<td>Kodiak</td>
<td>Presentation of Southcentral Test Case Status and Plans, connect with other professionals or communities, solicit feedback on research approach</td>
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<td>9/29/2013</td>
<td>Meeting with PI and SC Leadership</td>
<td>Jim Powell, Sarah Wandersee</td>
<td>Anchorage</td>
<td>Discuss FY 2014 work plan based on initial focus groups and meetings with Prof. Alan Borass</td>
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Social Outcomes

- Collect and measure social data
  - mapping instrument – combined with general population survey
  - Results applicable to development of further research (choice experiments, adaptive capacity interviews and responses)
Social Outcomes

• Compile extant social data and project change
  ○ UAA Chad Farrel has a student intern working on demographics
    ▪ ACS, economic indicators
  ○ Economic data collection and preliminary analysis
    ▪ Merged ADF&G data with license data
Social Outcomes

- Liaise with community and share findings
  - Experts focus groups
  - Southcentral test case pamphlet
  - Meetings with Brenda Trefon, Alan Boraas, Krista Timlin KPC Programs Manager for the Career & Community Engagement Center
Next Steps

- Case study on 50 ft setback
- Decision maker interviews
- Working towards summit
- Mailout survey & analysis
- Subsistence user interviews
- Youth mapping
- Demographics
- Economic: further data collection (fish run, etc.), choice experiments, River guides, regulators, KPEDD meetings
- Community video
Questions?