Status of Subsistence Uses in EVOS-Area Communities, 2014

Division of Subsistence
Alaska Department of Fish and Game
Funded by EVOS Trustee Council, Project 15150122

Prince William Sound Regional Citizens' Advisory Council, Science Night

November 30, 2017

The Division of Subsistence, ADF&G





- Statutory responsibilities
- Applied social science methods: surveys, interviews, mapping, participant observation
- Local partnerships
- Technical papers and databases
- History of research in EVOS area

EVOS Trustee Council Recovery Objective for Subsistence

"Subsistence will have recovered when injured resources used for subsistence are healthy and productive and exist at pre-spill levels. In addition, there is recognition that people must be confident that the resources are safe to eat and that the cultural values provided by gathering, preparing, and sharing food need to be reintegrated into community life."

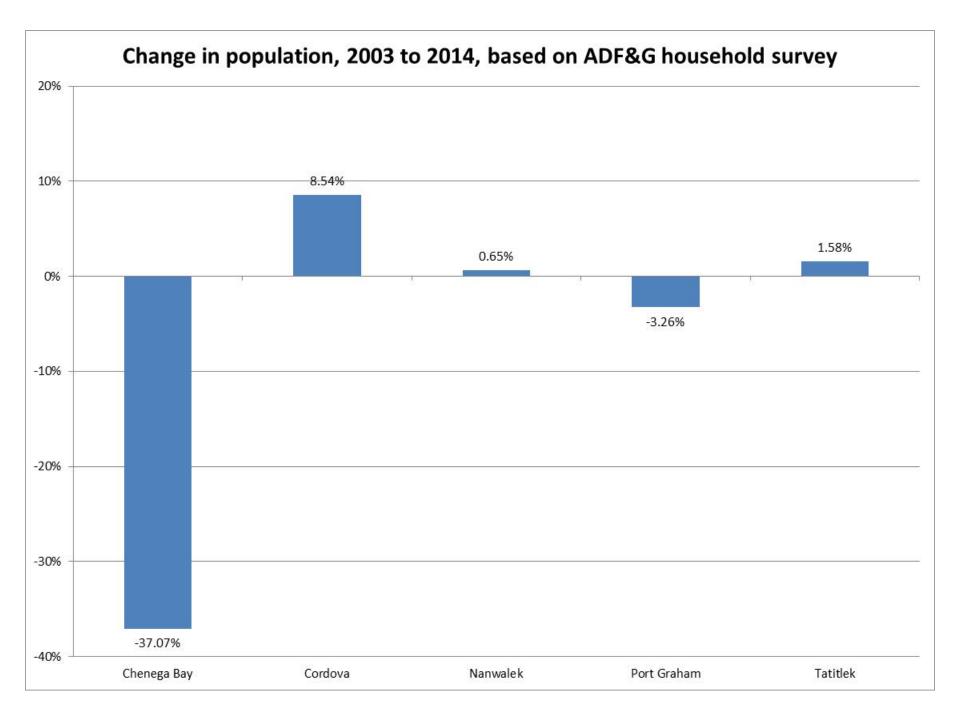
Research Questions

- 1. Are resources used for subsistence purposes healthy, and are their populations at pre-spill levels?
- 2. Are people confident that resources are safe to eat?
- 3. Have the cultural values associated with subsistence uses been reintegrated into community life?

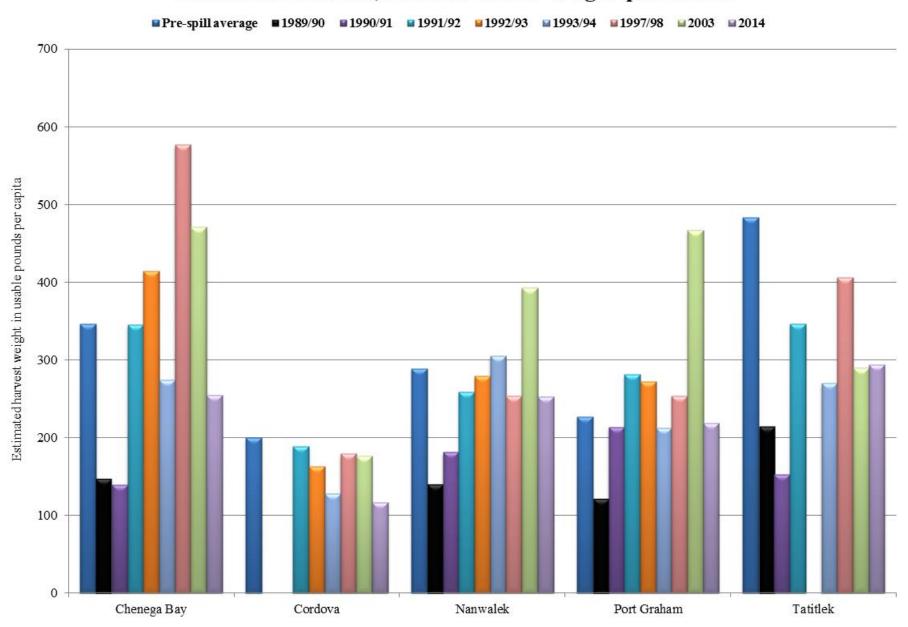
Additional: update harvest and use information, plus demographic and economic data

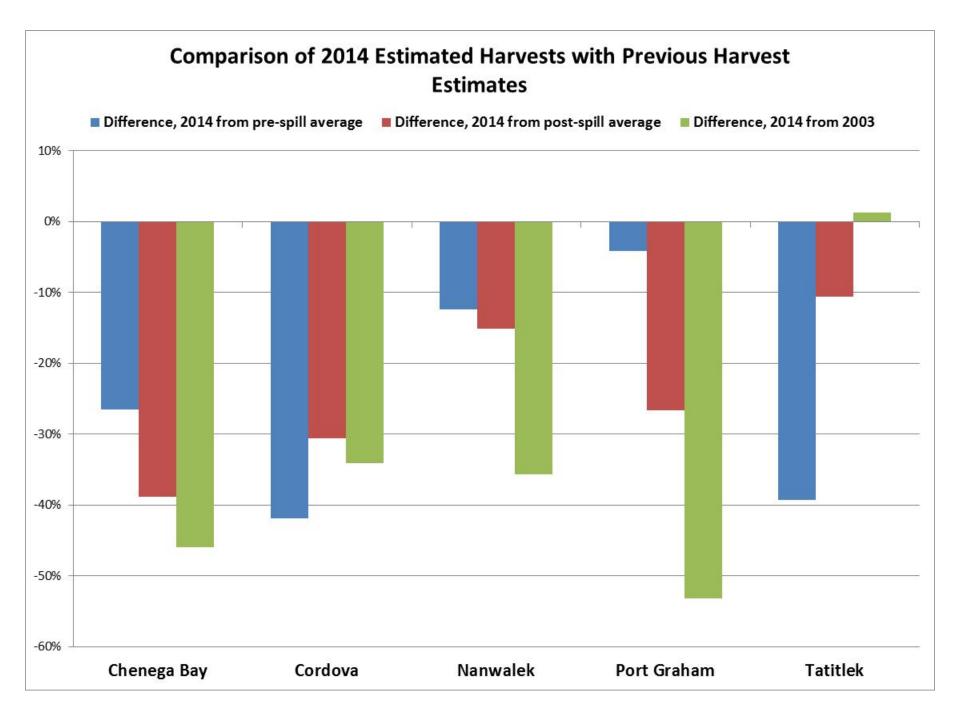
Study communities & methods

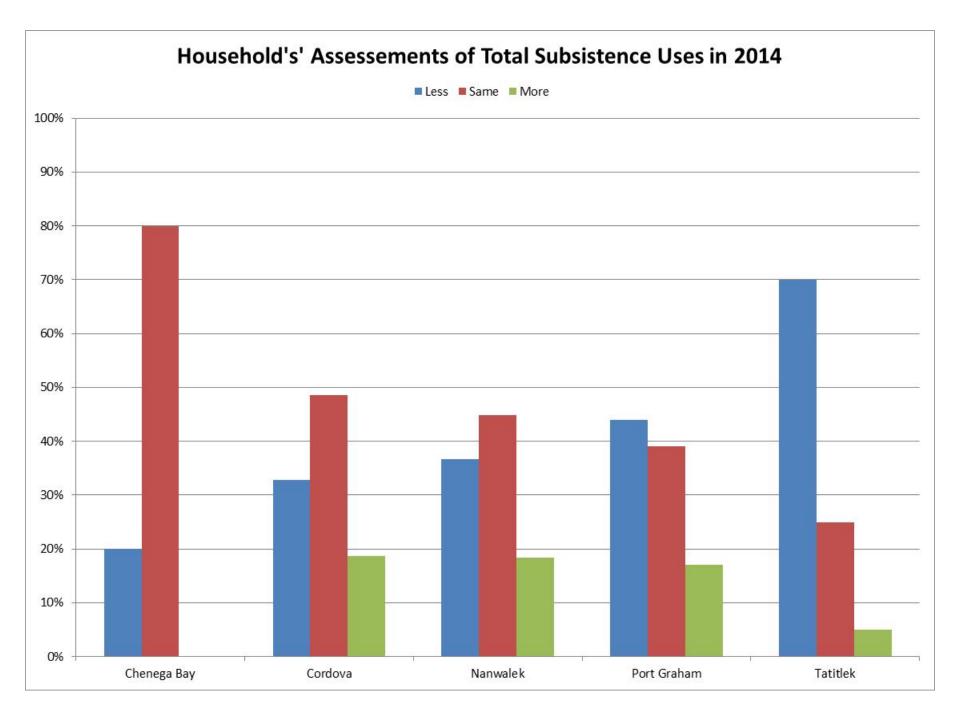
- Funded by EVOS: Chenega Bay, Cordova, and Tatitlek
- Funded by LNG Project: Nanwalek and Port Graham
- Method: systematic household survey
- Census samples except random sample in Cordova (184 HHs = 19.4%)
- Community approvals and review meetings
- Final report: Technical Paper No. 412 (June 2016)

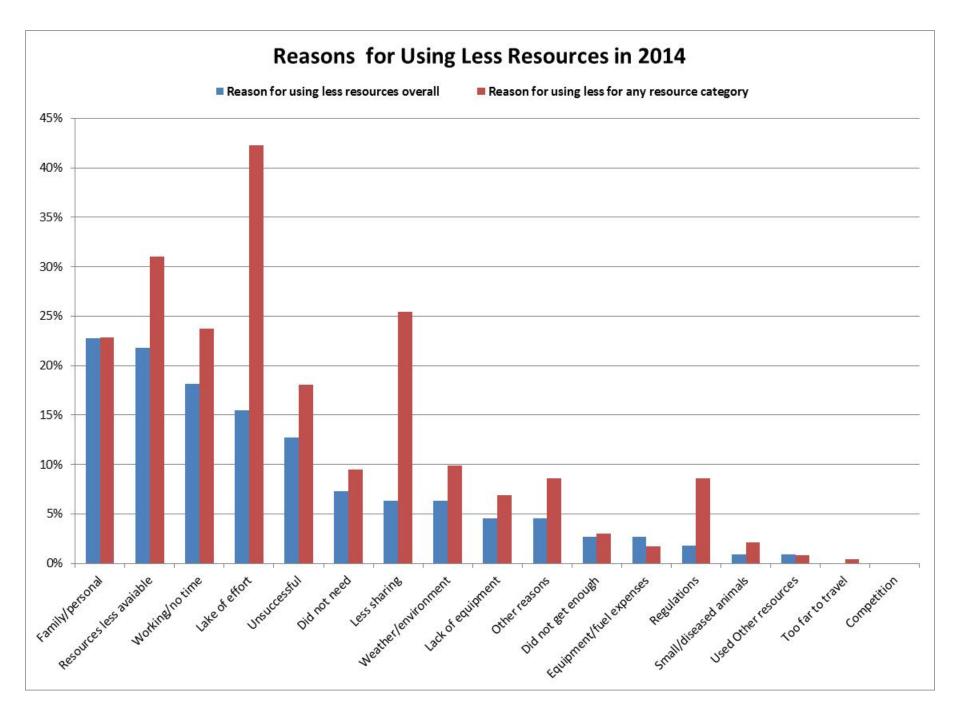


Estimated Harvests, Pounds Usable Weight per Person

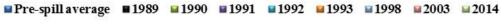


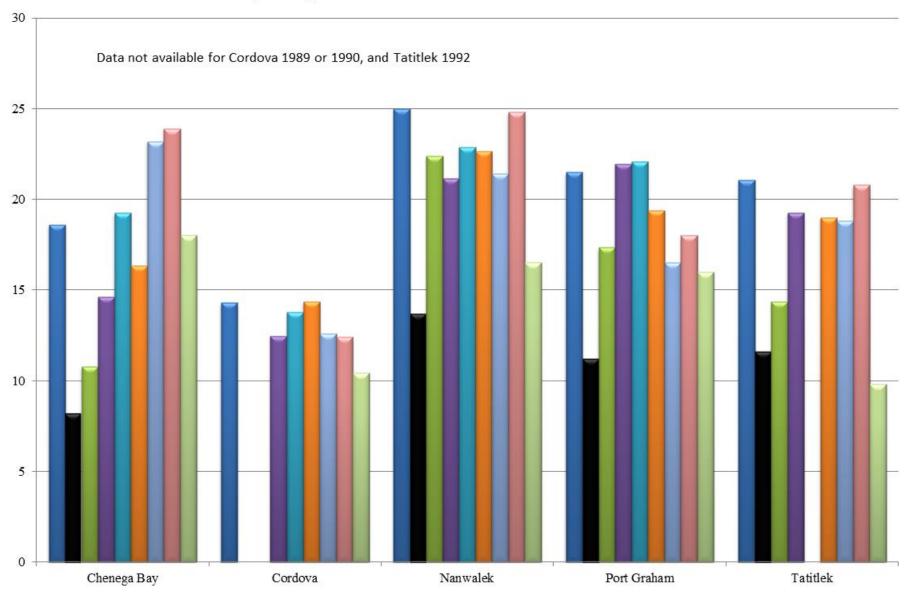


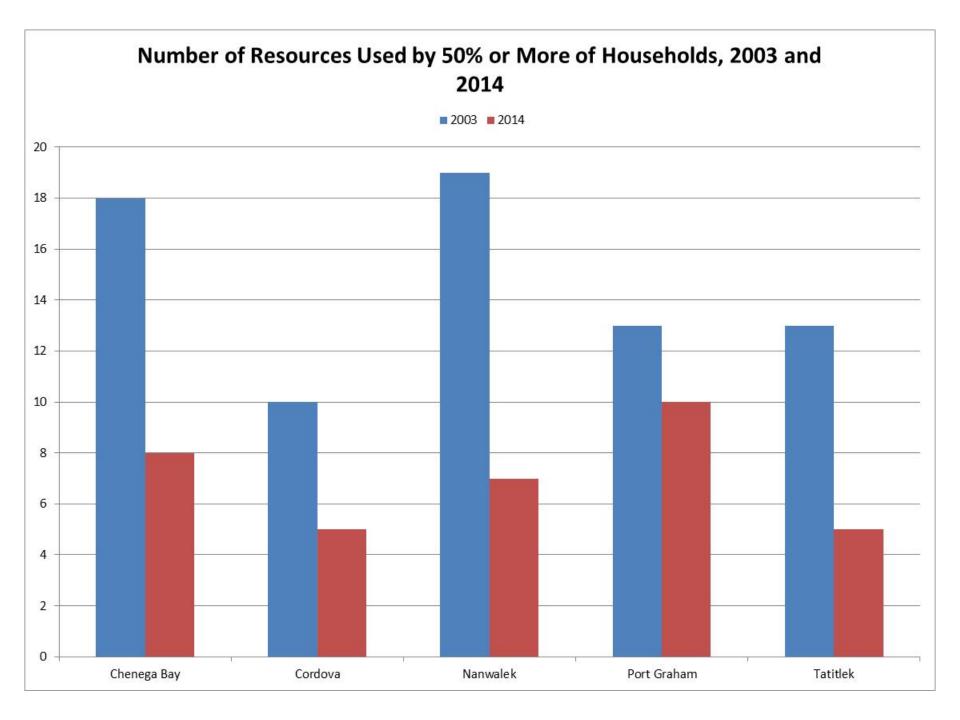


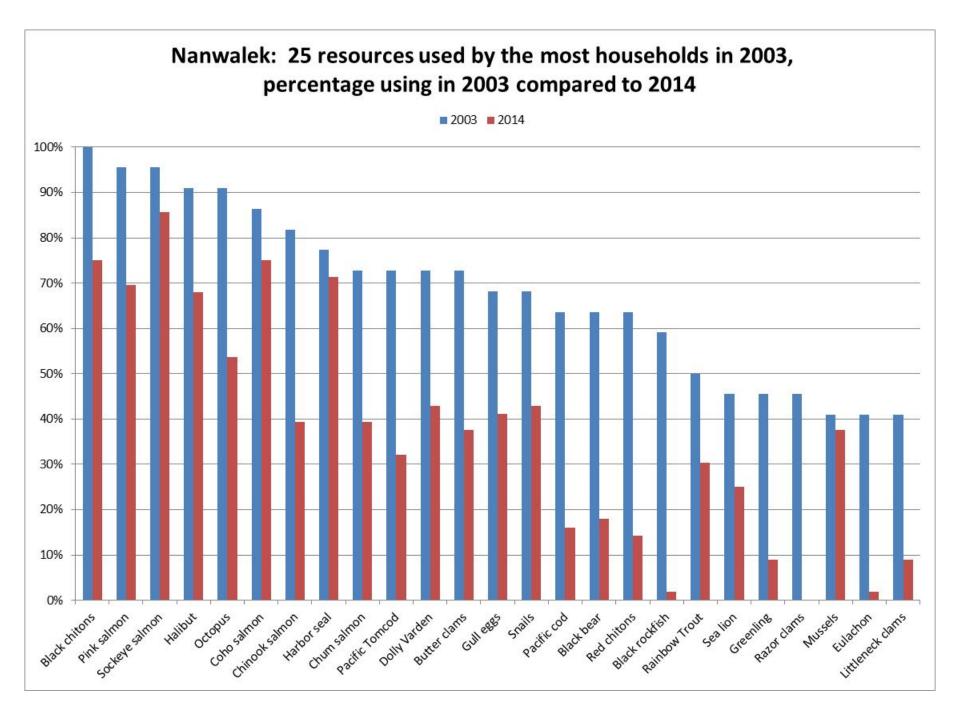


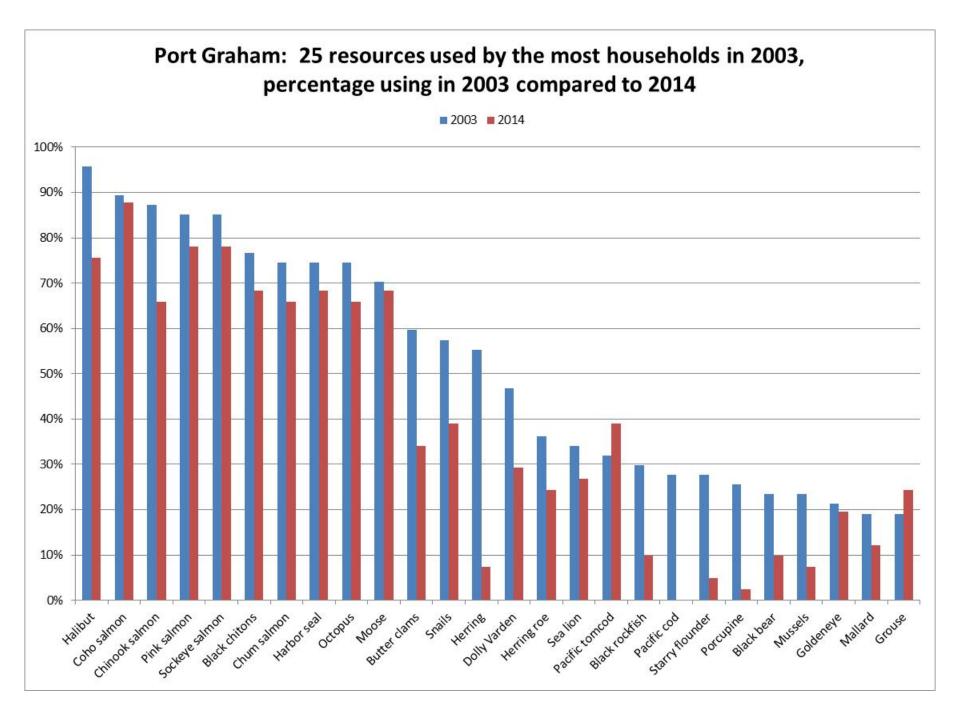
Average Number of Resources Used per Household

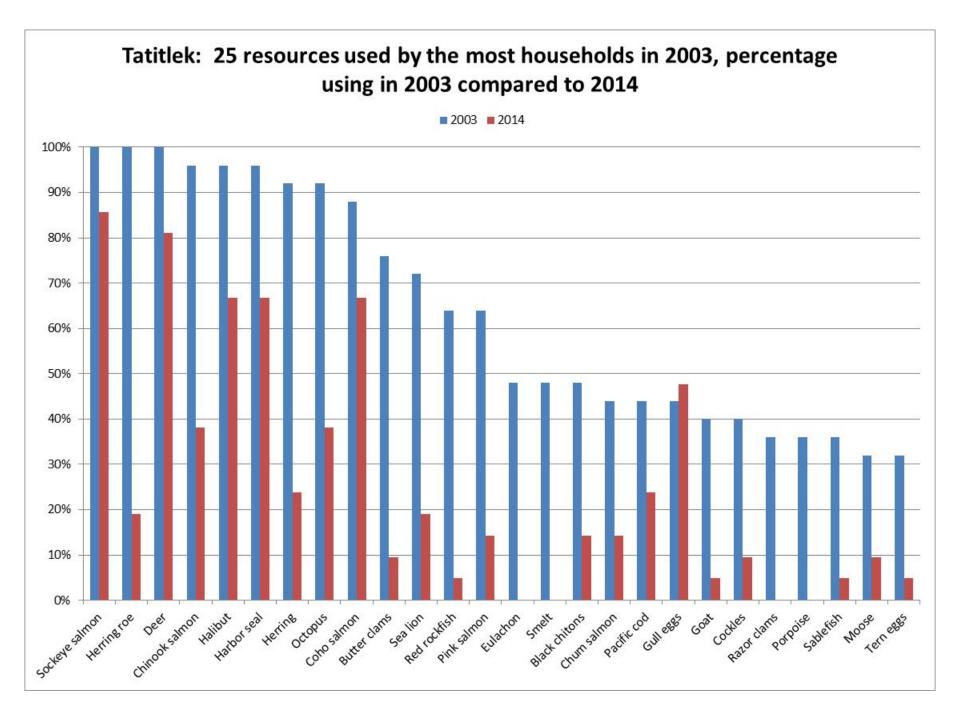


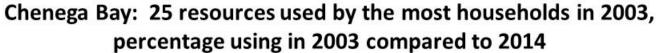


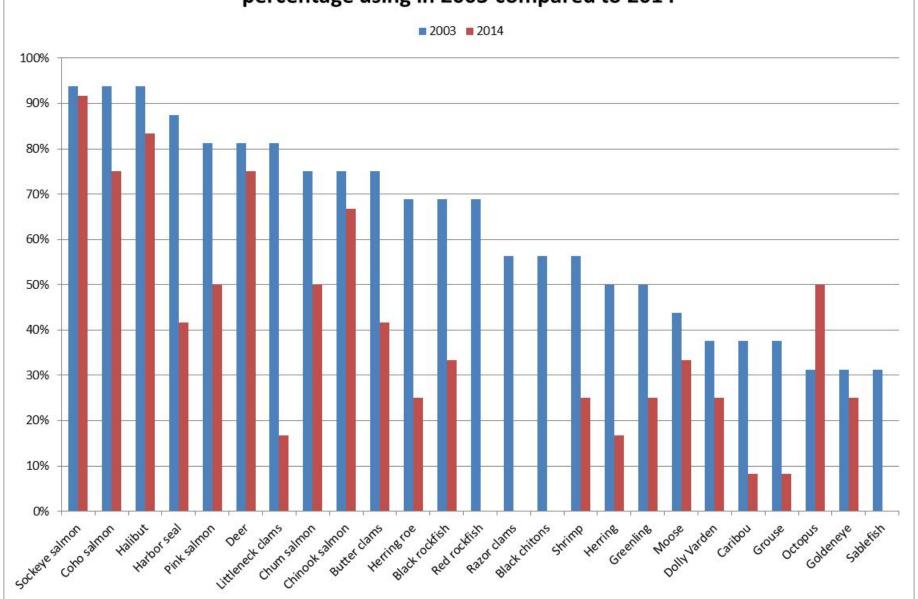


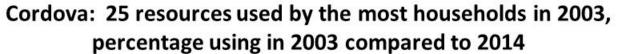


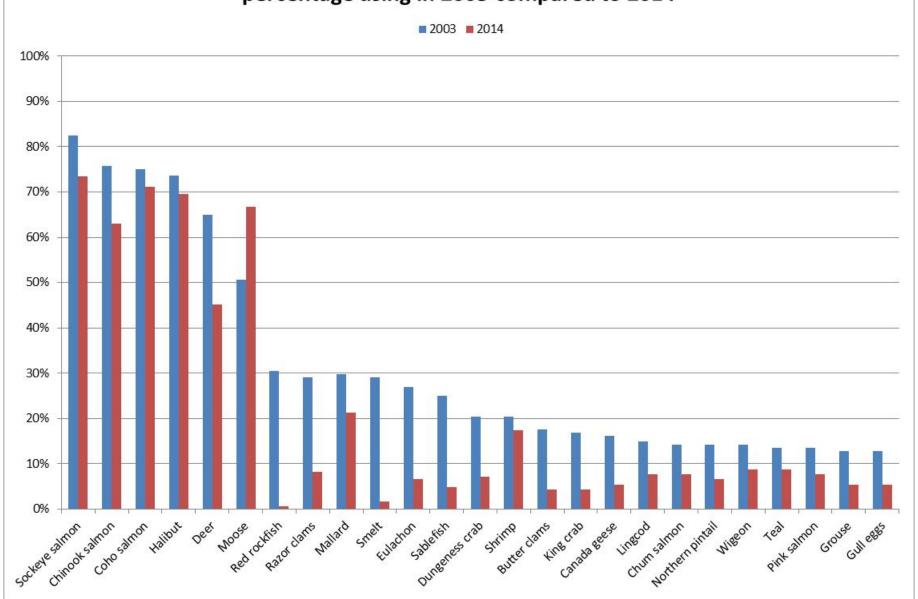


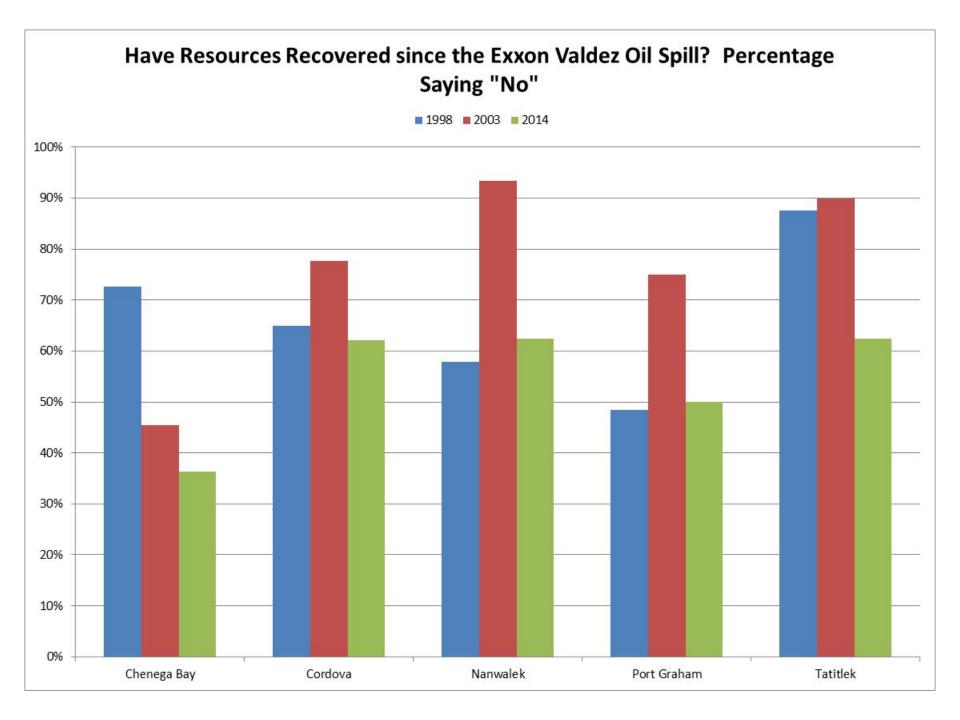


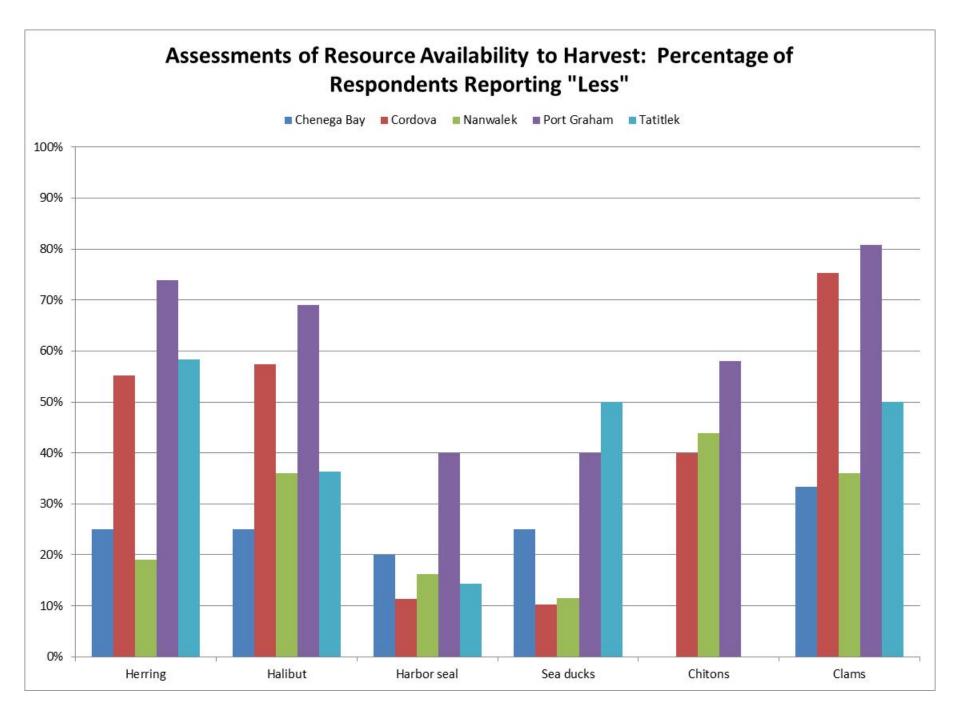


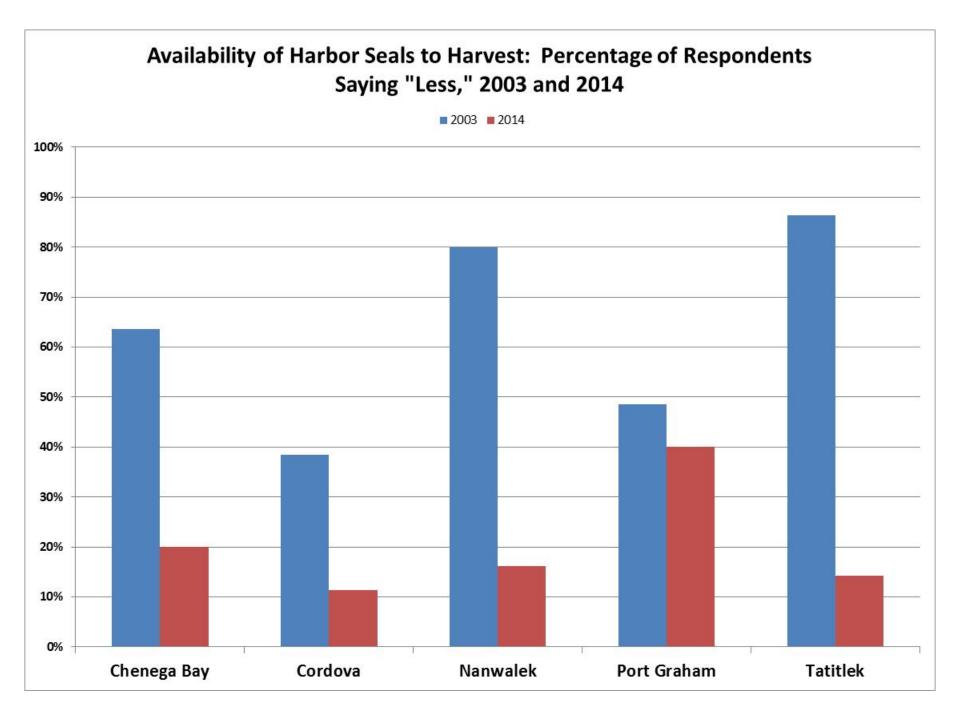


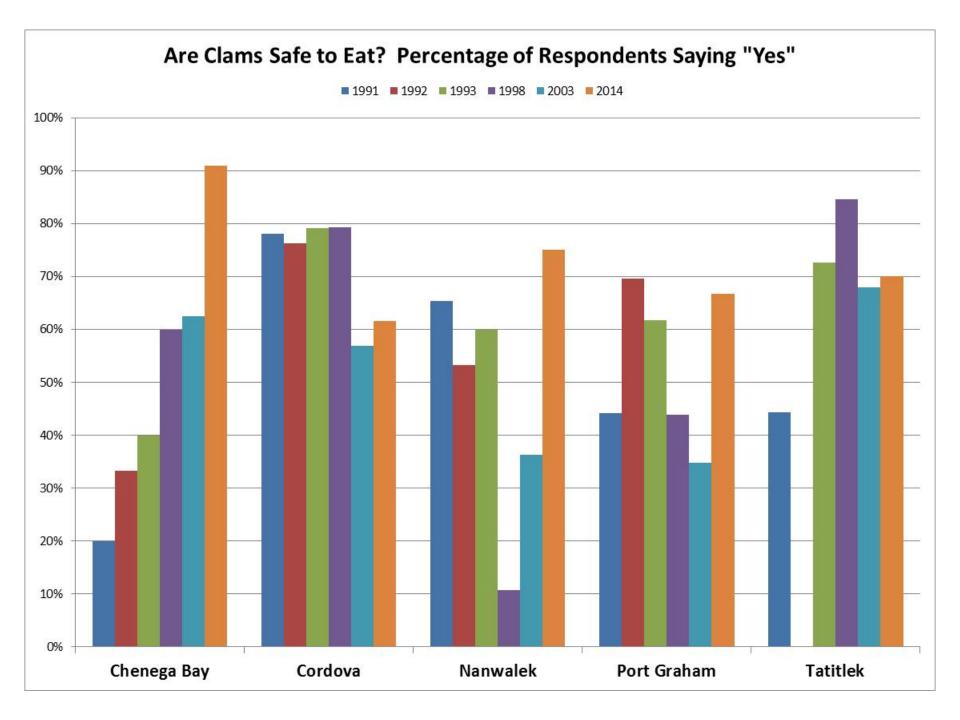


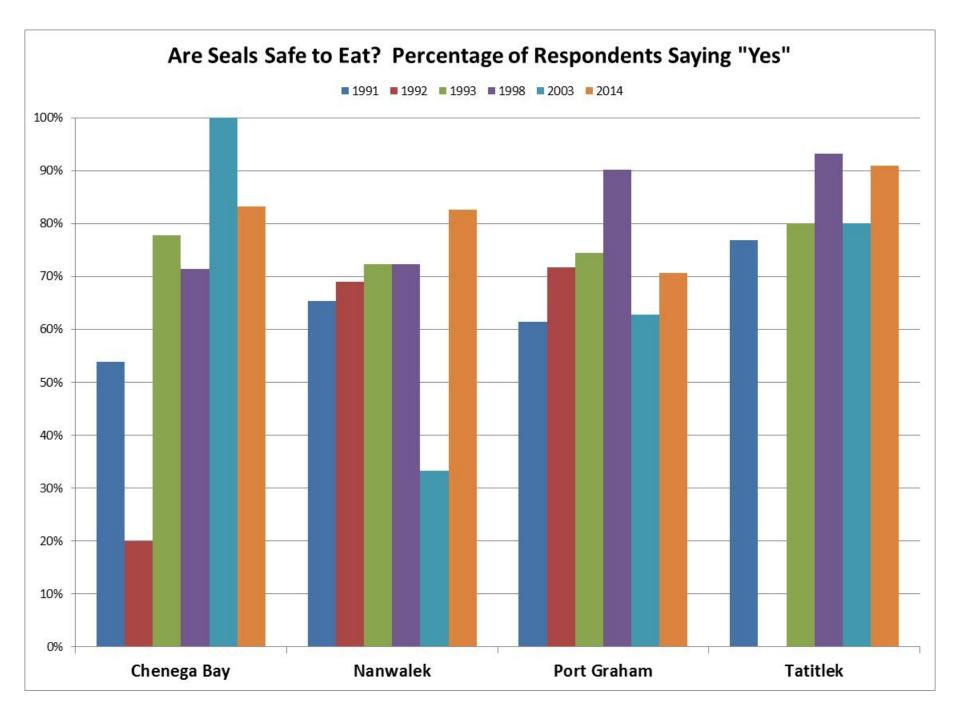


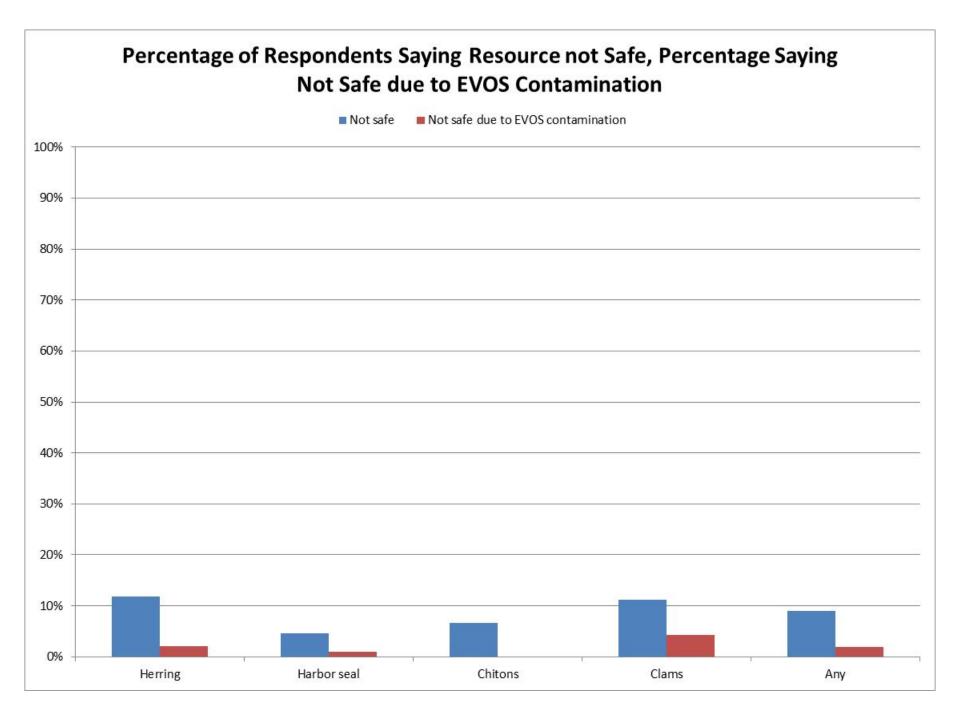


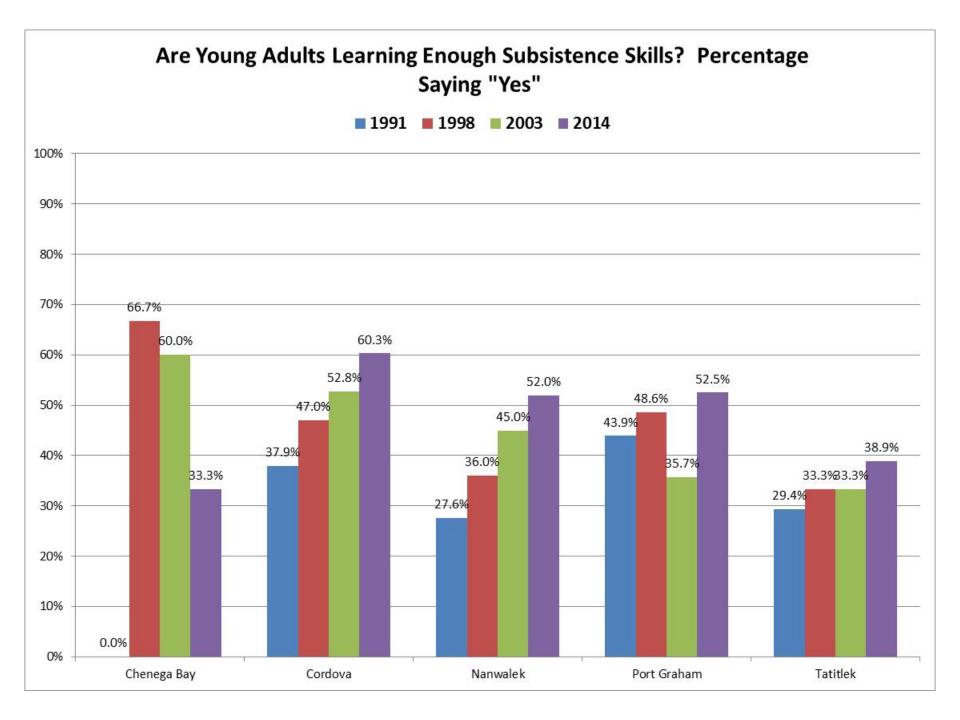


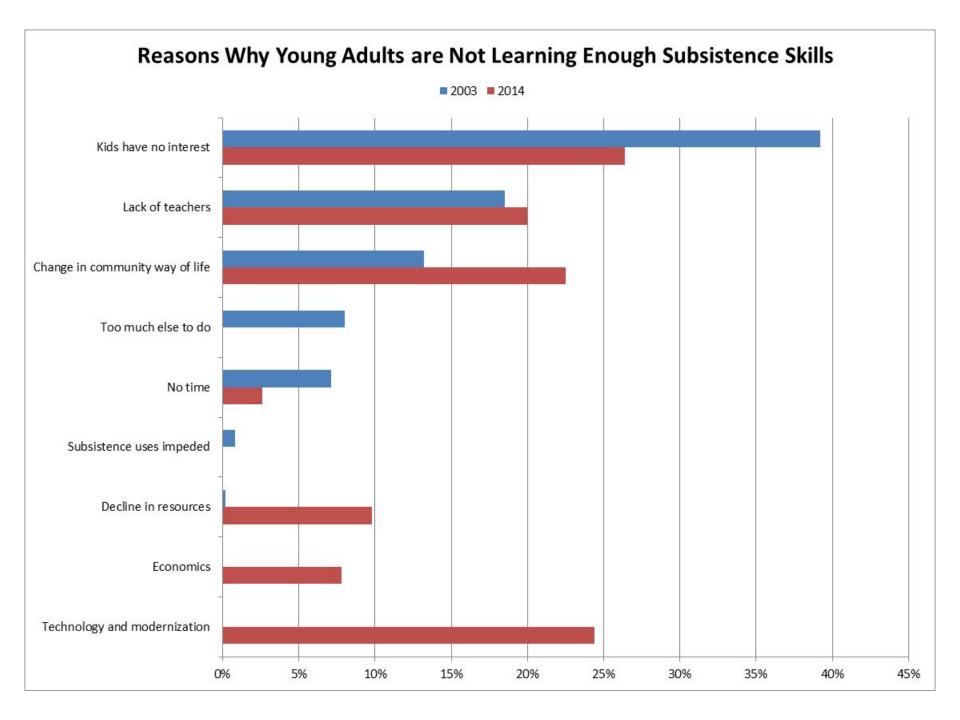


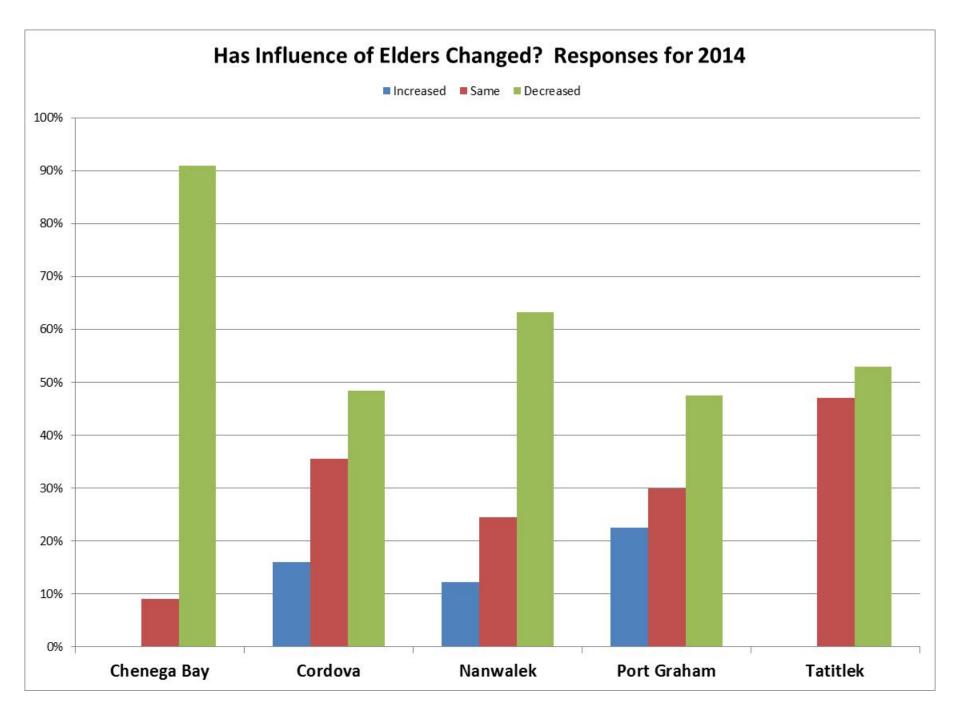


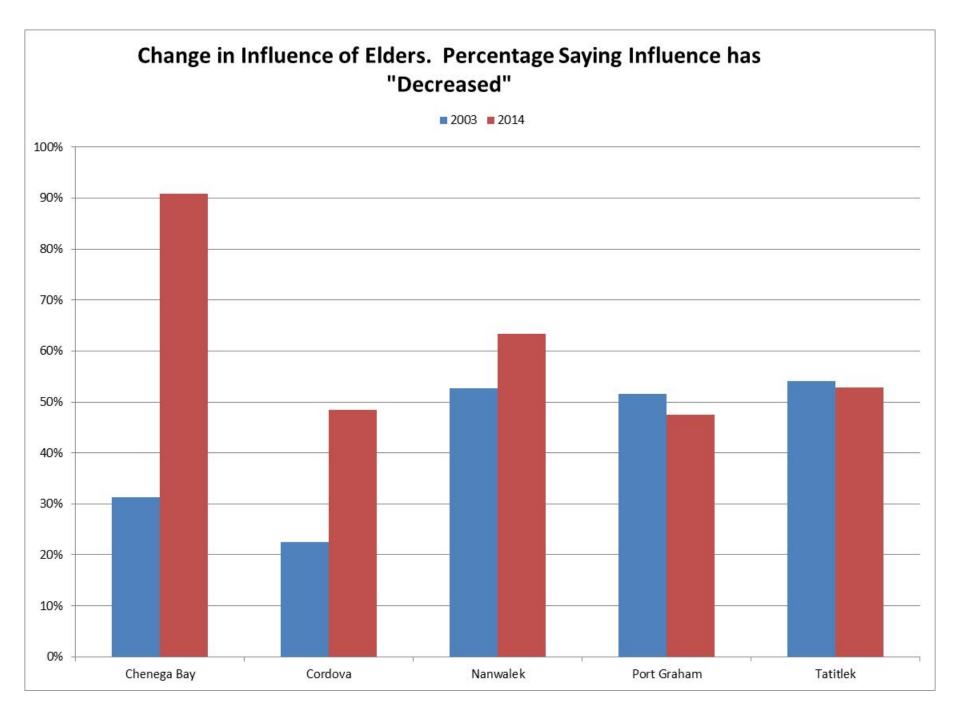


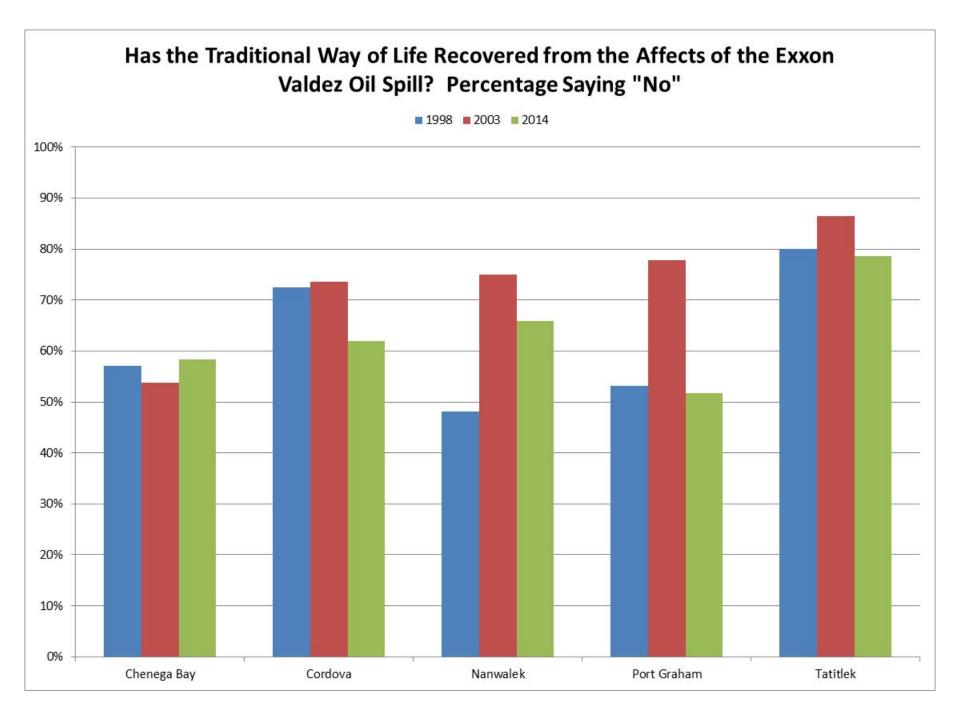


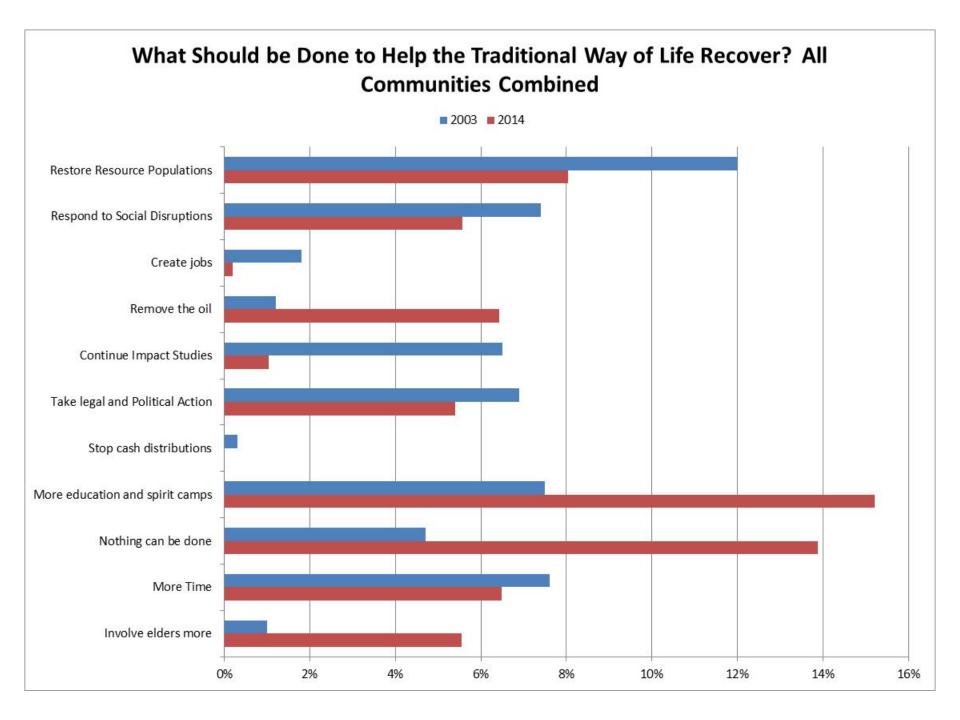












Conclusions

- Subsistence remains a natural resource service that is "recovering" but not "recovered."
- Evidence of "recovering": relatively high harvests & participation levels; sharing; recovered resources; confidence in safety of eating most foods.
- Evidence of "not recovered": lower harvests, lower diversity of use, non-recovered resources, concerns about youth involvement and role of elders

Conclusions, continued

"Subsistence harvests remain an important source of food in the study communities, include a wide range of species, are frequently shared, and provide a context for expressing and sharing the skills and values intimately linked to centuries-old traditions and future cultural survival."

Conclusions, continued

"The oil spill initiated or contributed to a set of environmental, economic, and sociocultural conditions to which each study community must adapt. It is not possible nor necessary to completely factor out EVOS effects from this broader set of conditions. . . A return to pre-spill conditions is impossible for spill-area communities and is not the appropriate measure of recovery. A viable future for these communities will be based on meaningful involvement in natural resource management, opportunities in the cash and subsistence sectors of the local economies, and the transmission of skills and knowledge across generations."

For More Information

- Project summary, at EVOS TC website: <u>http://www.evostc.state.ak.us/Universal/Documents/Publications/15150122ExecutiveSummary.pdf</u>
- Division of Subsistence Website: <u>http://www.adfg.alaska.gov/index.cfm?adfg=subsistence.main</u>
- Technical Papers: http://www.adfg.alaska.gov/sf/publications/
- CSIS: http://www.adfg.alaska.gov/sb/CSIS/
- Phone: 907-267-2353 (Anchorage)