

An Ethnographic Overview of Subsistence King Salmon Fishery on the Kuskokwim River



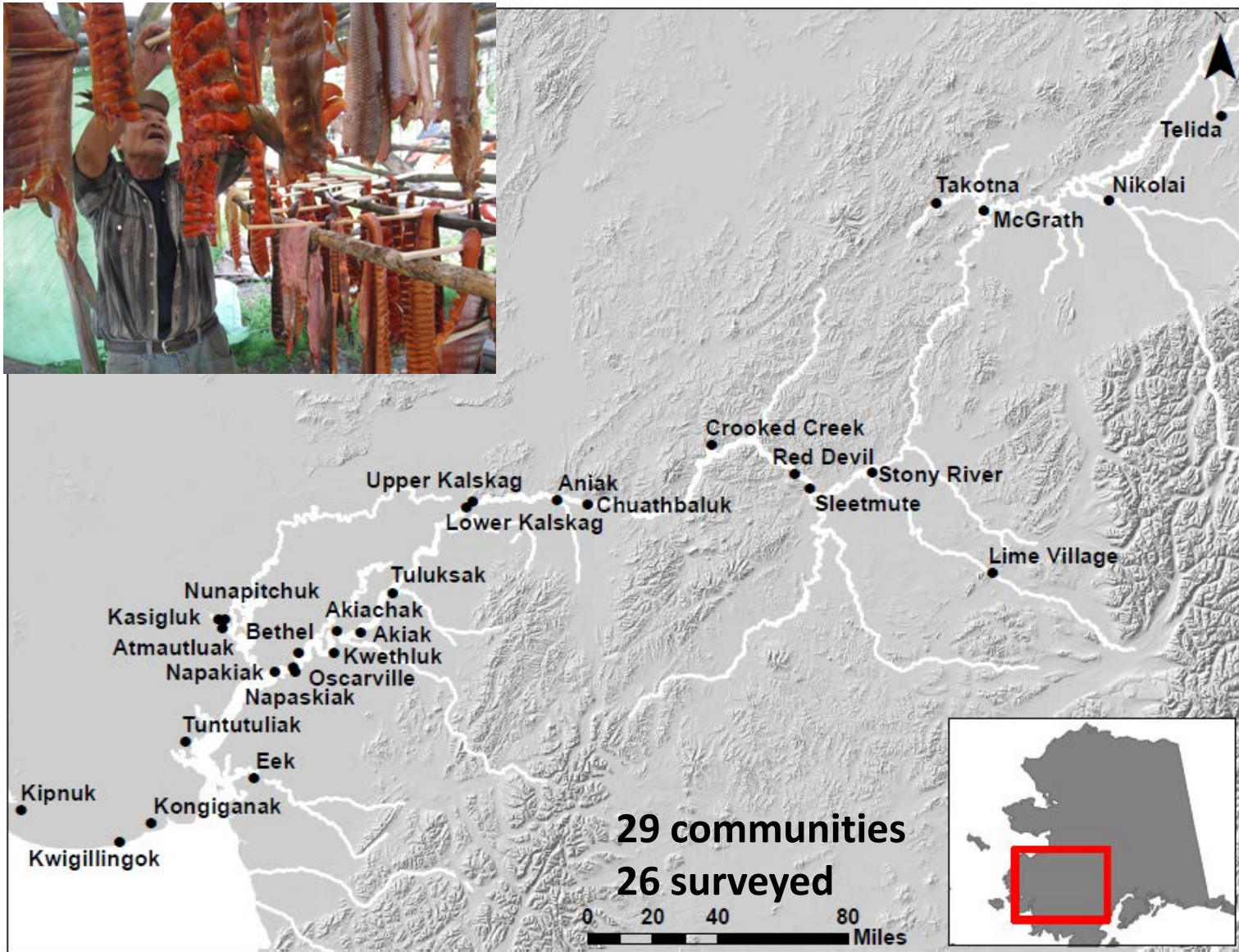
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Subsistence Resource Specialist
RC 3, Tab 3

Proposals Related to Subsistence King Salmon Fishery on the Kuskokwim River

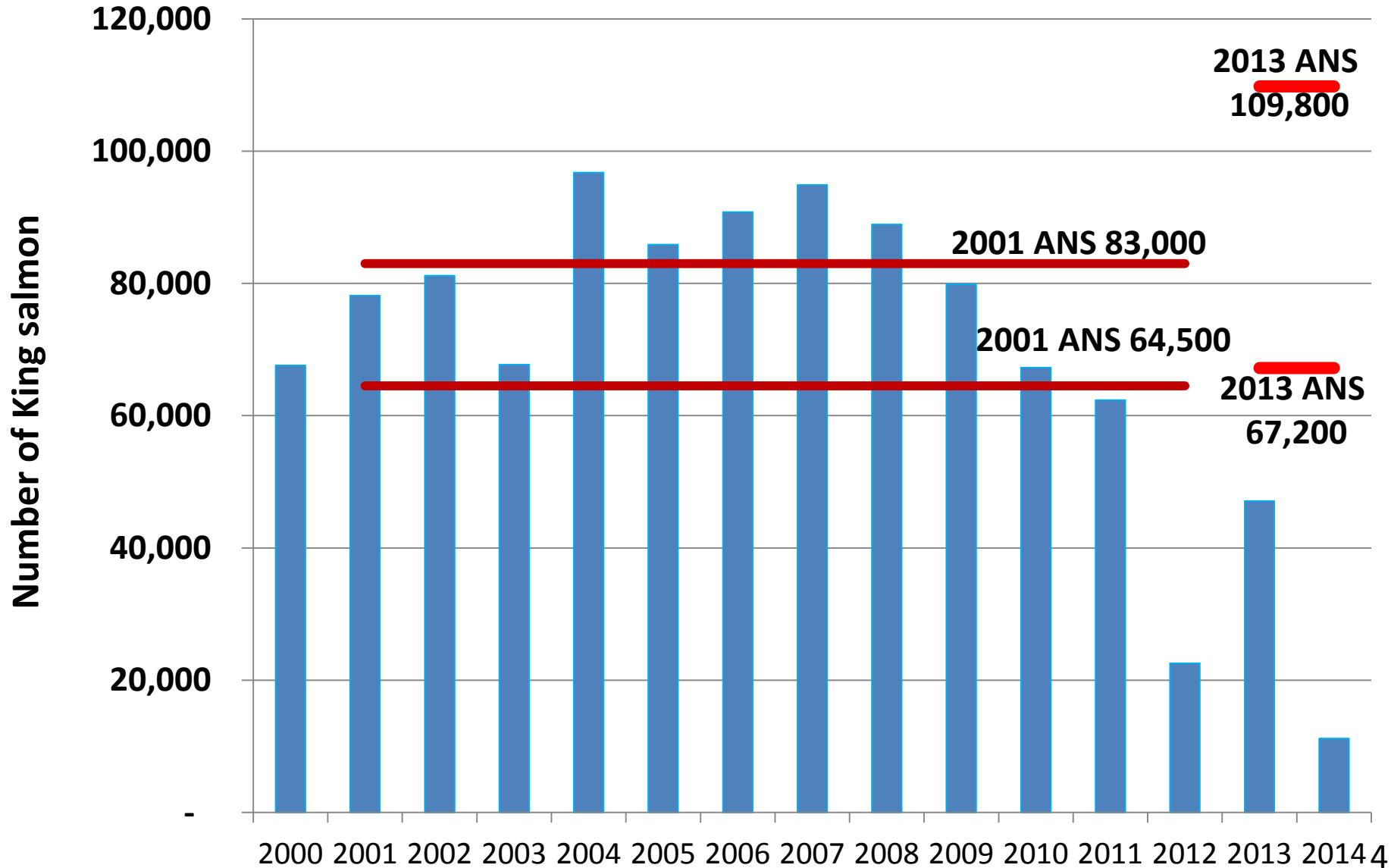
- Proposal 95: Create a Tier II subsistence king salmon fishery.
- Proposal 96: Create three regional Amount Reasonably Necessary for Subsistence (ANS) ranges for subsistence king salmon fishery.
- Proposal 97: Create a permit system for subsistence king salmon fishing.
- Proposal 222: Provide for community and household harvest permits for subsistence king salmon fishing during times of king salmon conservation, incorporating the customary and traditional use patterns involved with air drying and smoking of king salmon.



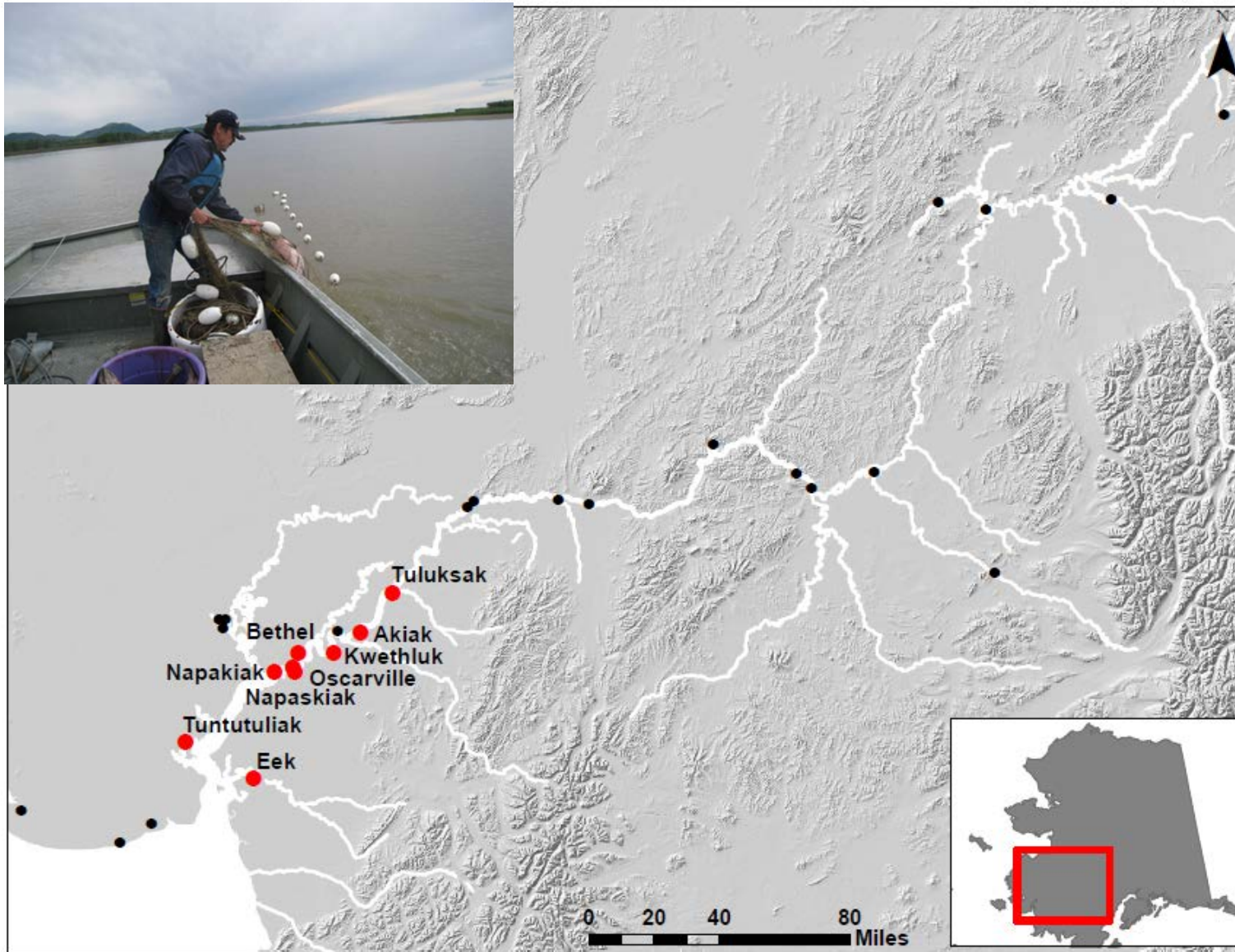
Kuskokwim River Drainage



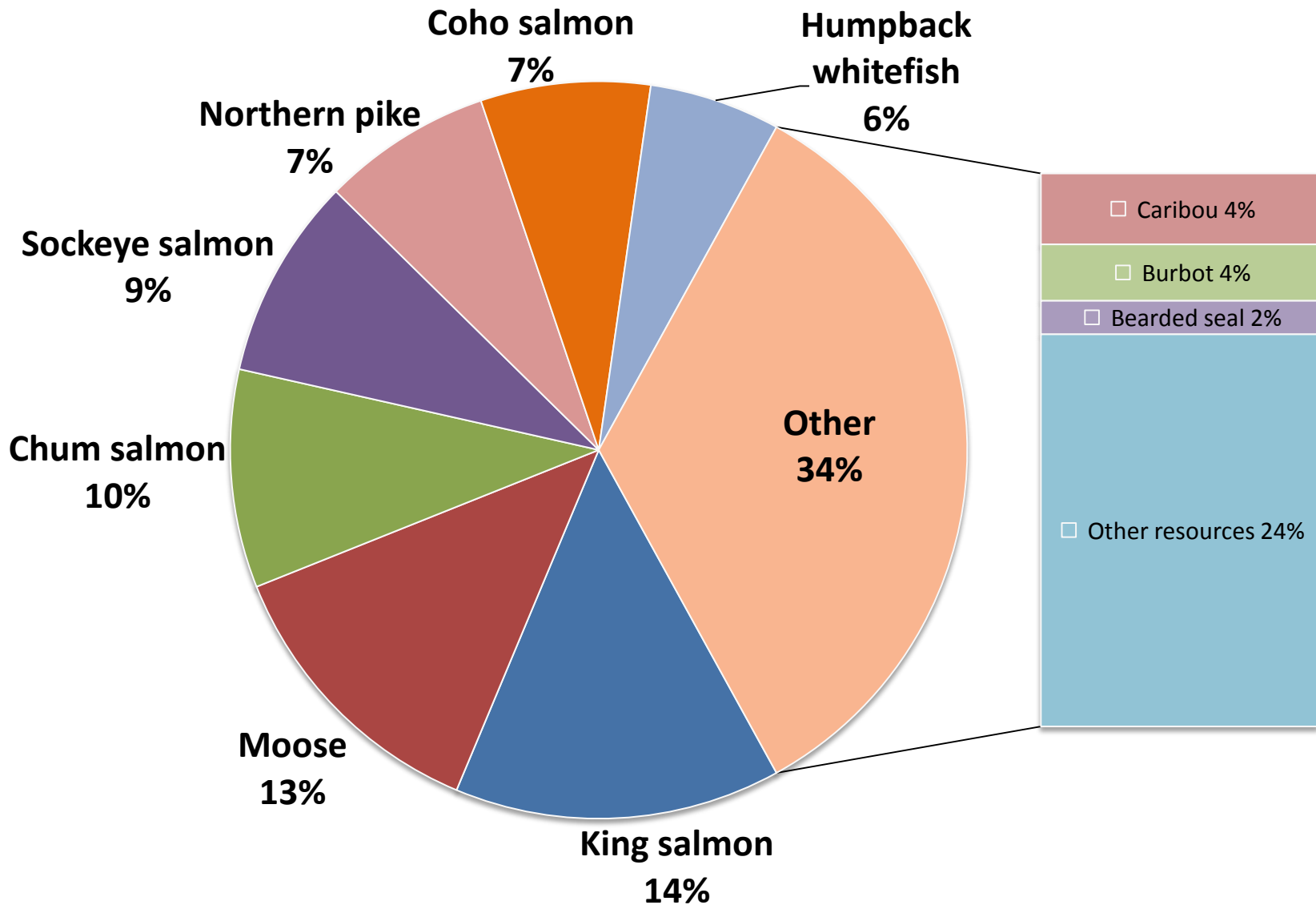
Kuskokwim River Subsistence King Salmon Harvest and ANS Ranges in 2000-2014



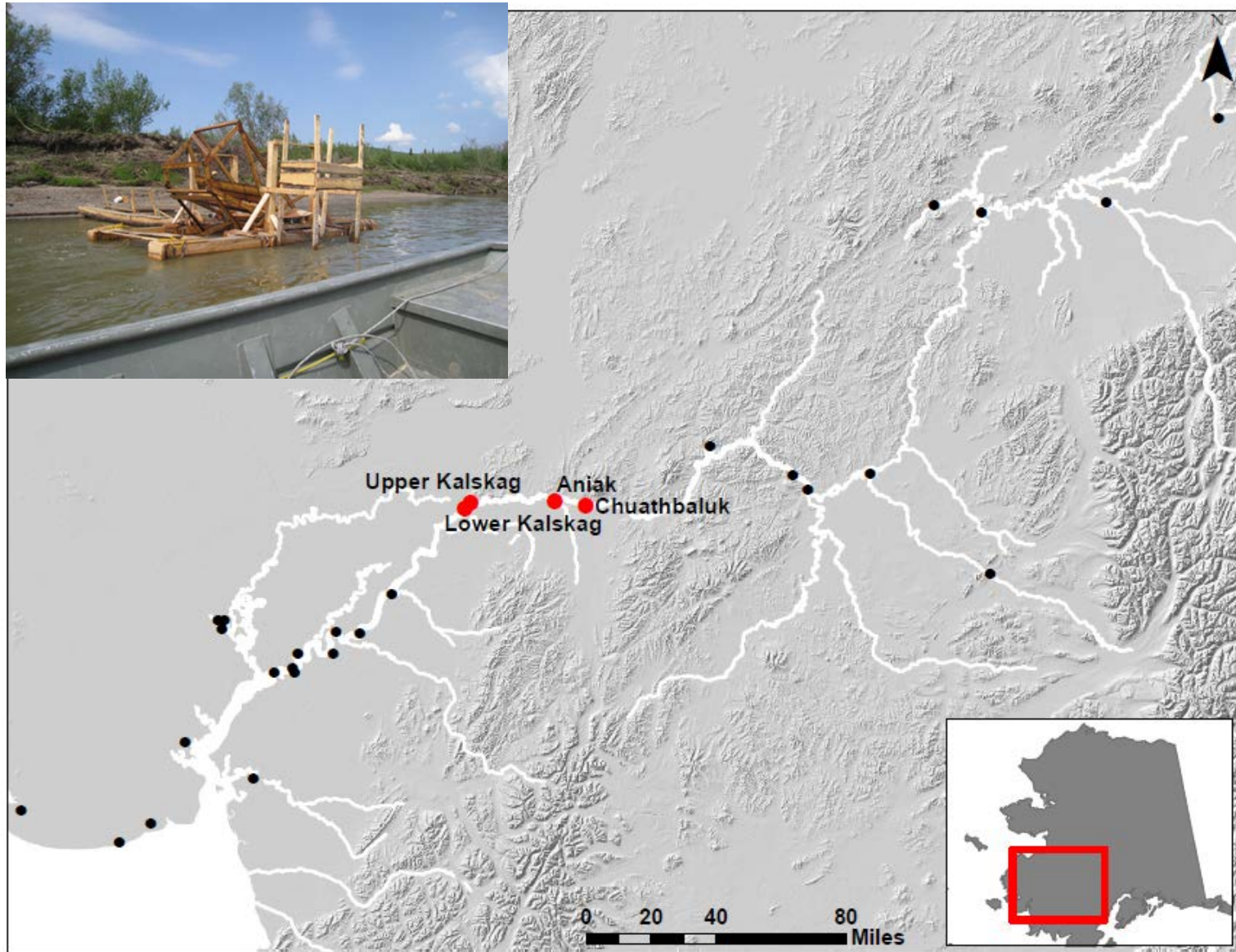
Lower Kuskokwim: Regional Subsistence



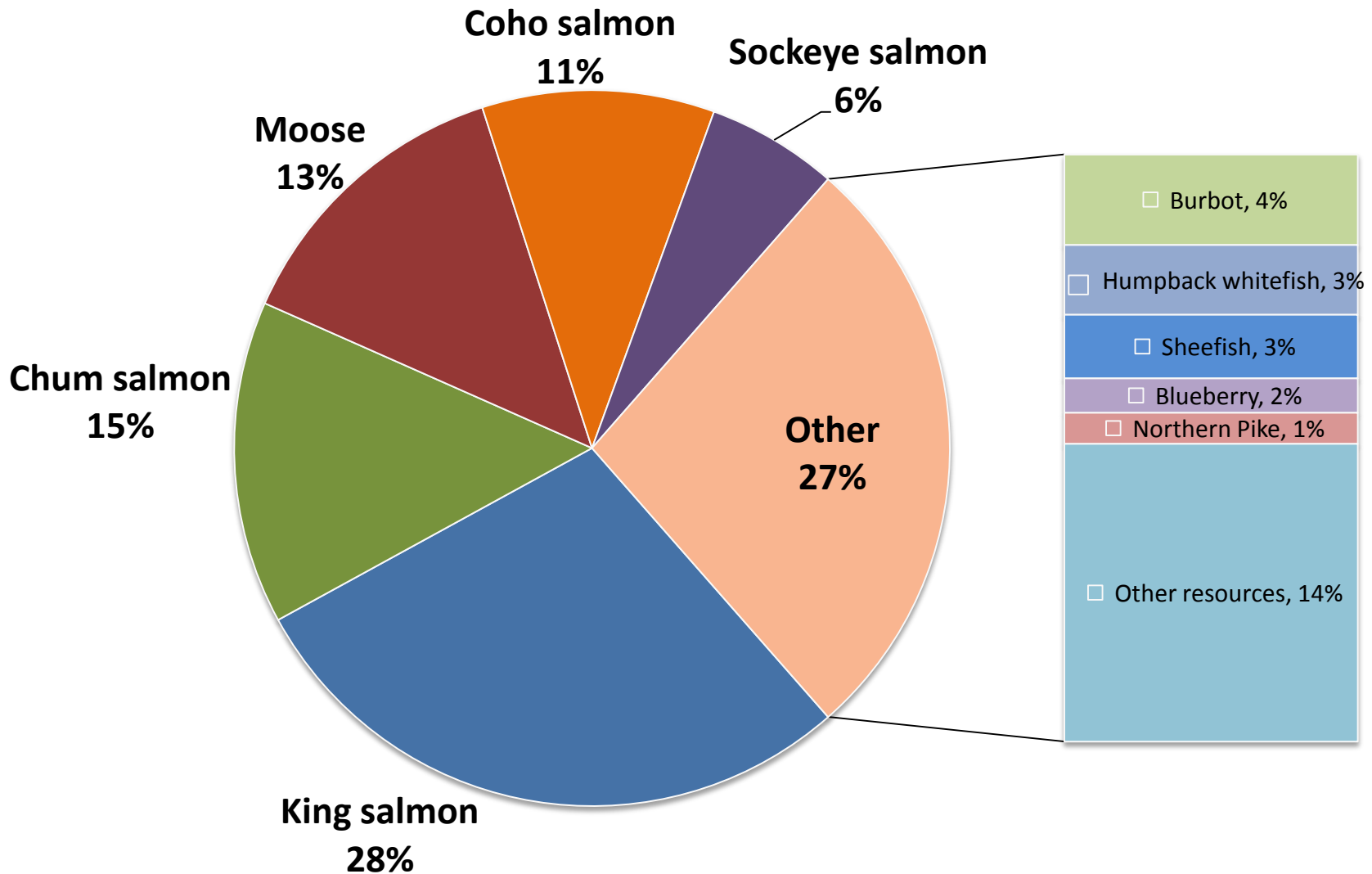
Top 10 Resources: Lower Kuskokwim Communities (Study Years 2010-2013)



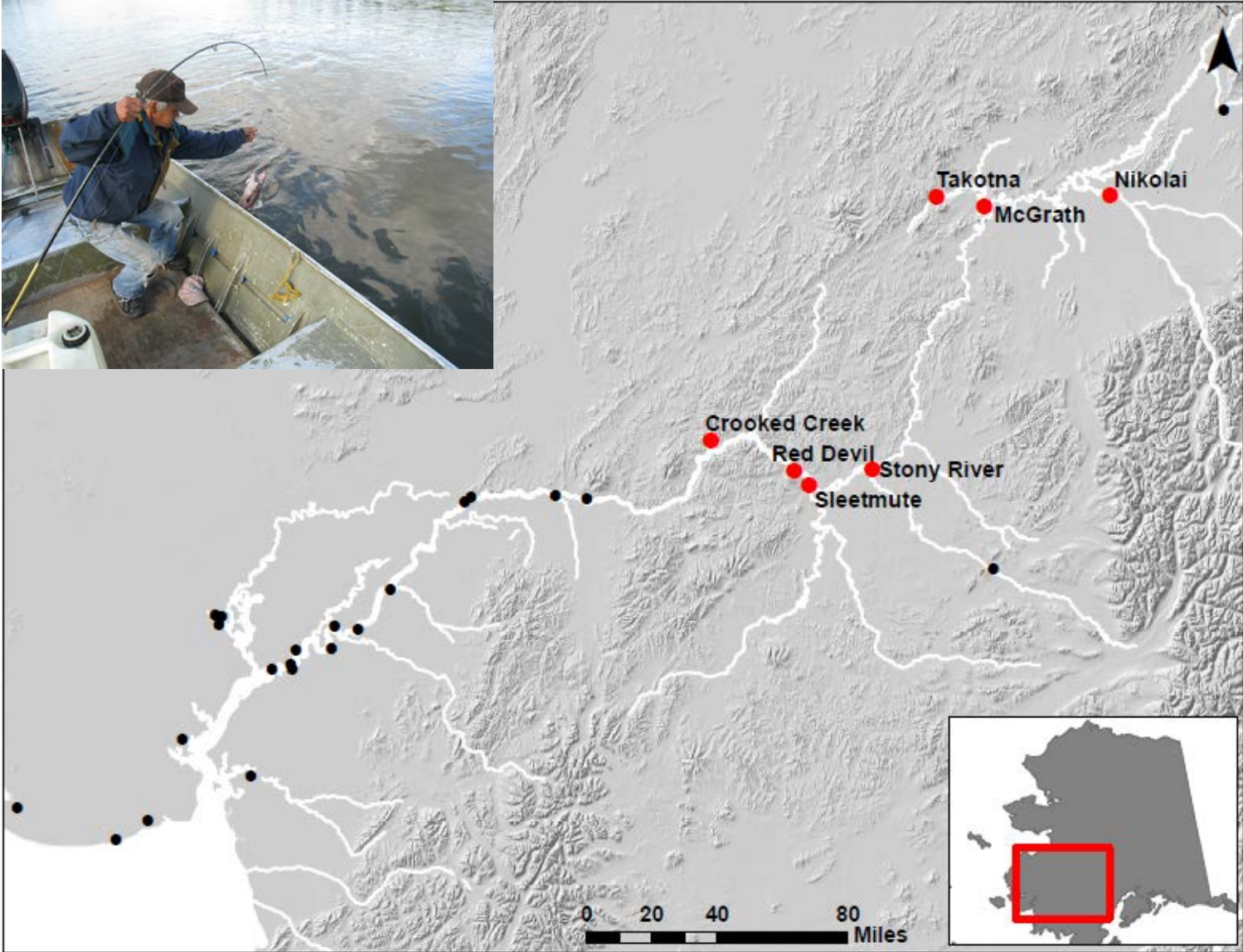
Middle Kuskokwim: Regional Subsistence



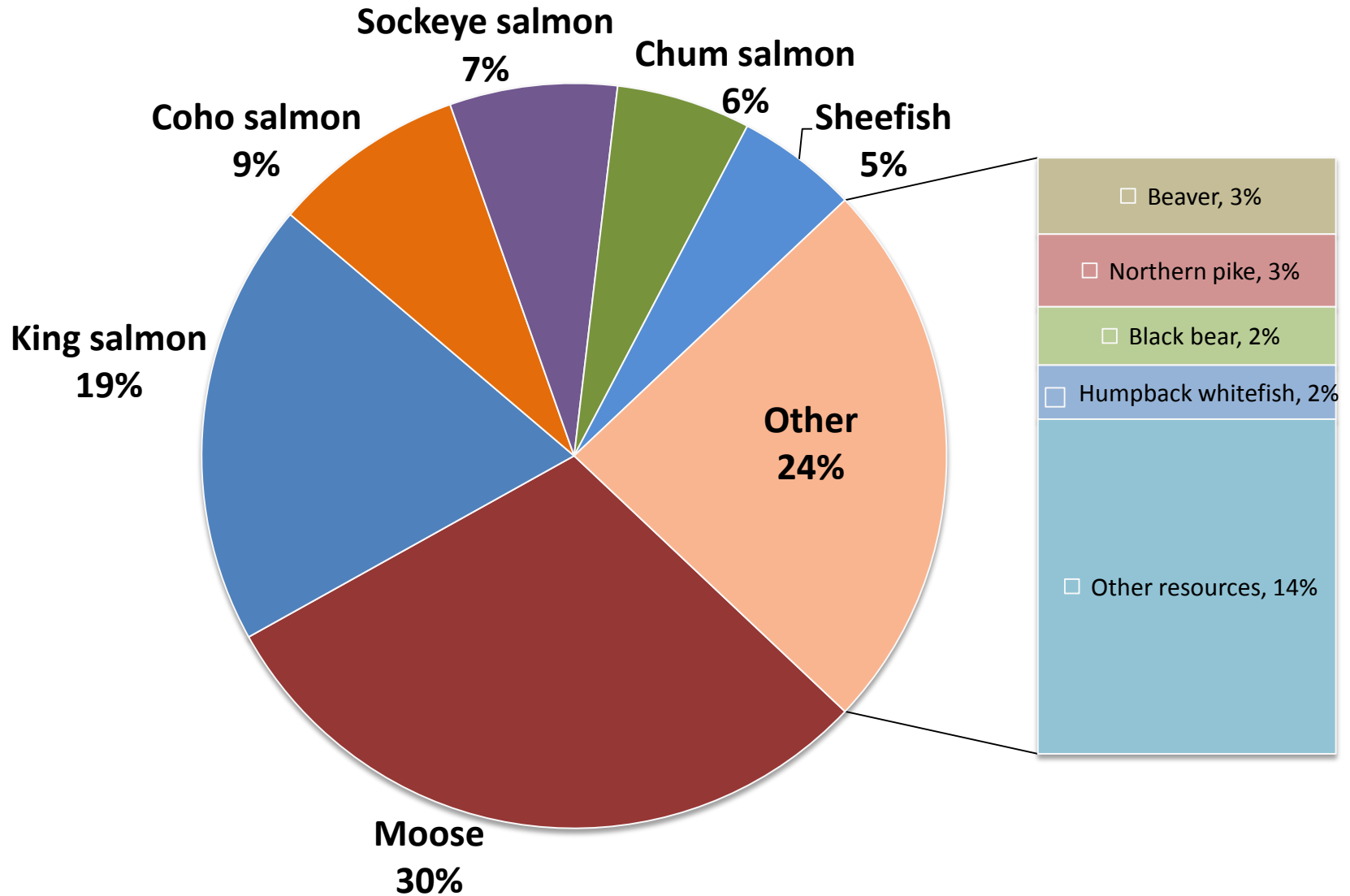
Top 10 Resources: Middle Kuskokwim River Communities (Study Year 2009)



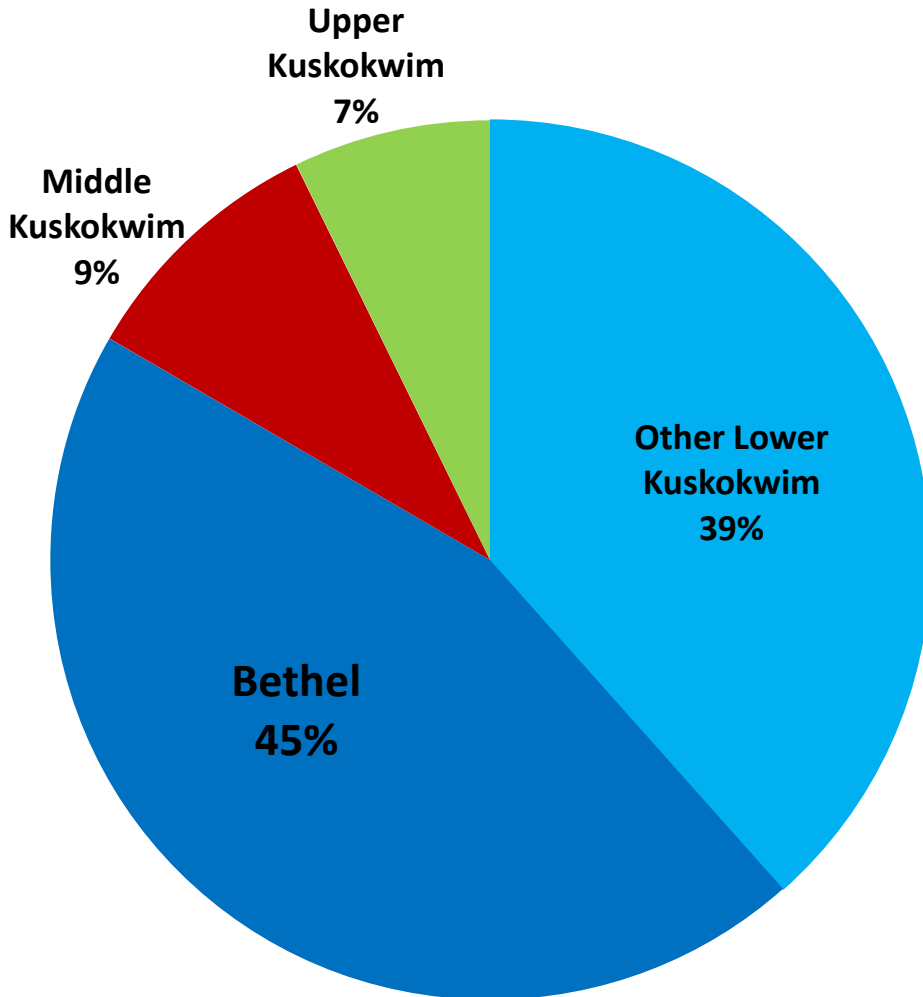
Upper Kuskokwim: Regional Subsistence



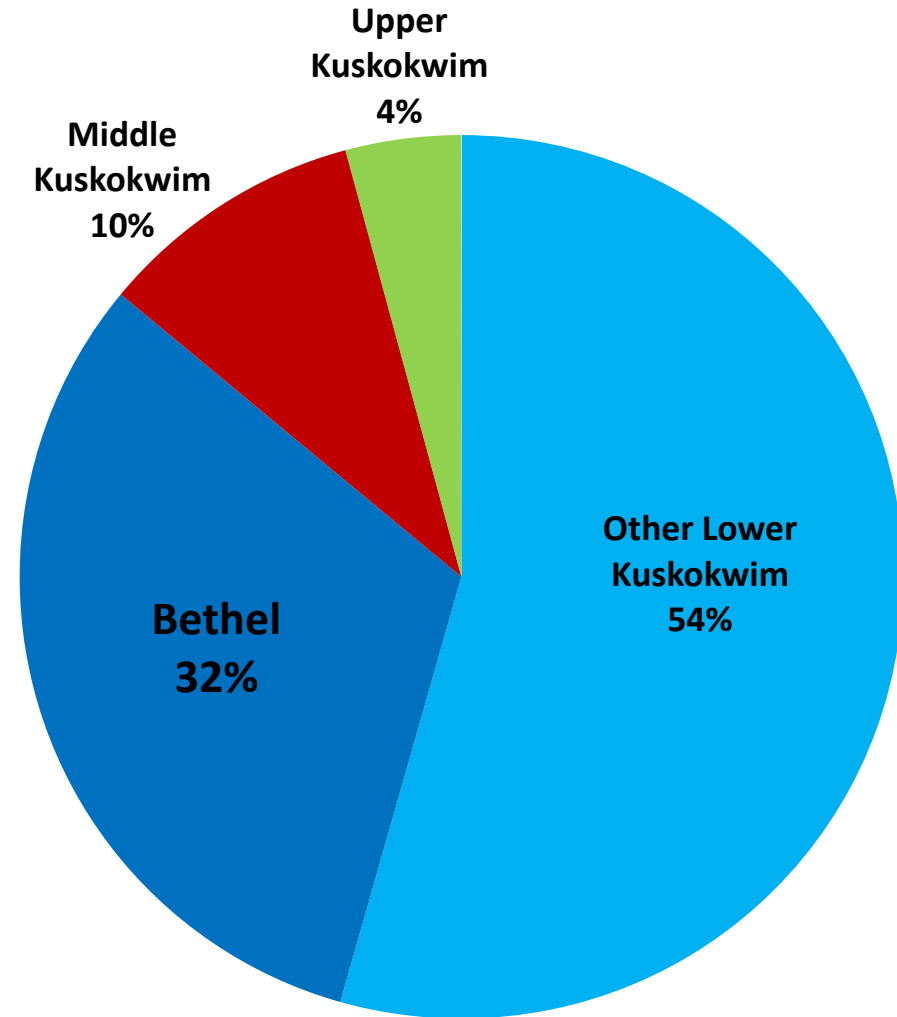
Top 10 Resources: Upper Kuskokwim Communities (Study Year 2009 & 2012)



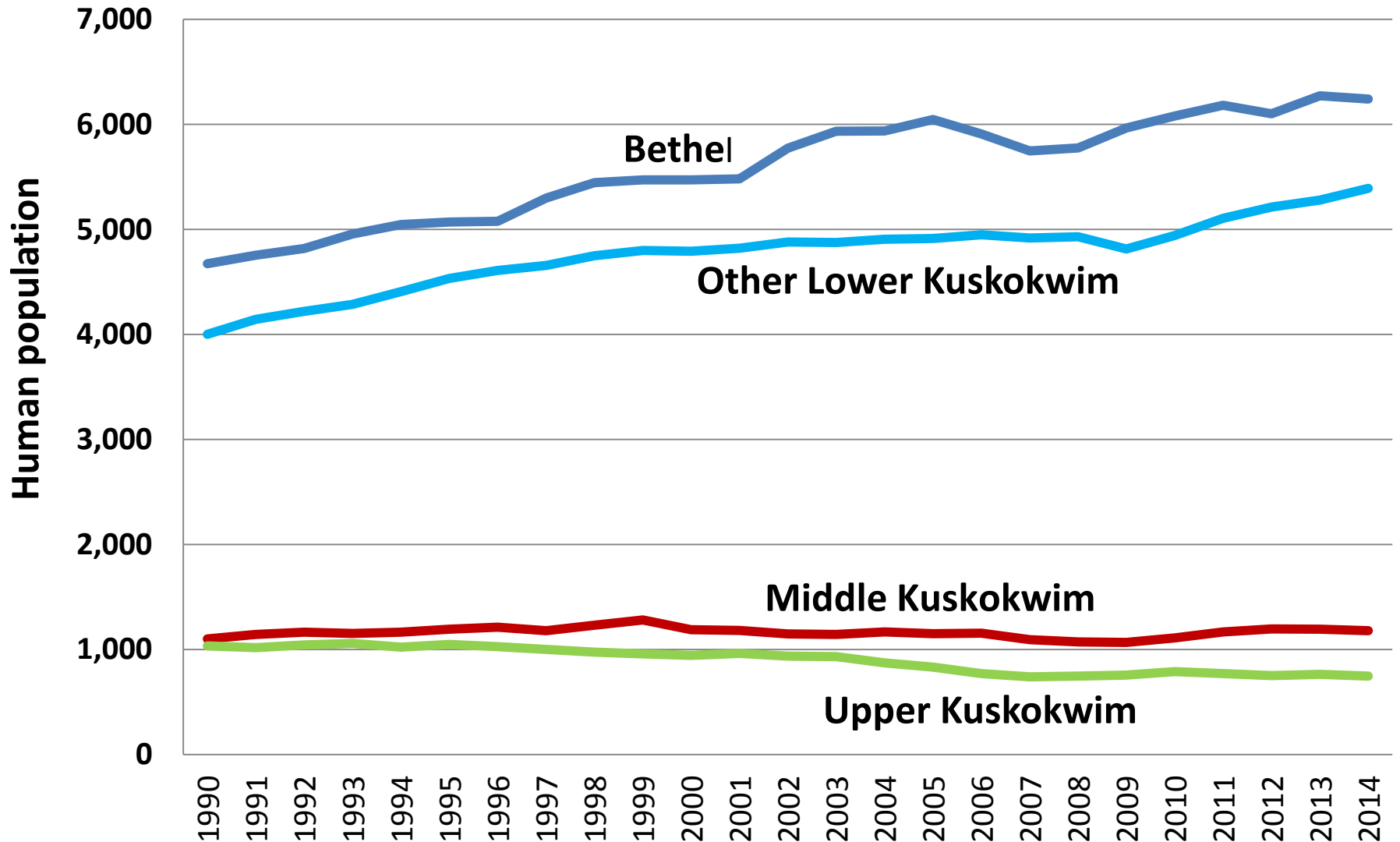
Average % of **Human Population** in Kuskokwim River Communities by Region in 1990-2014



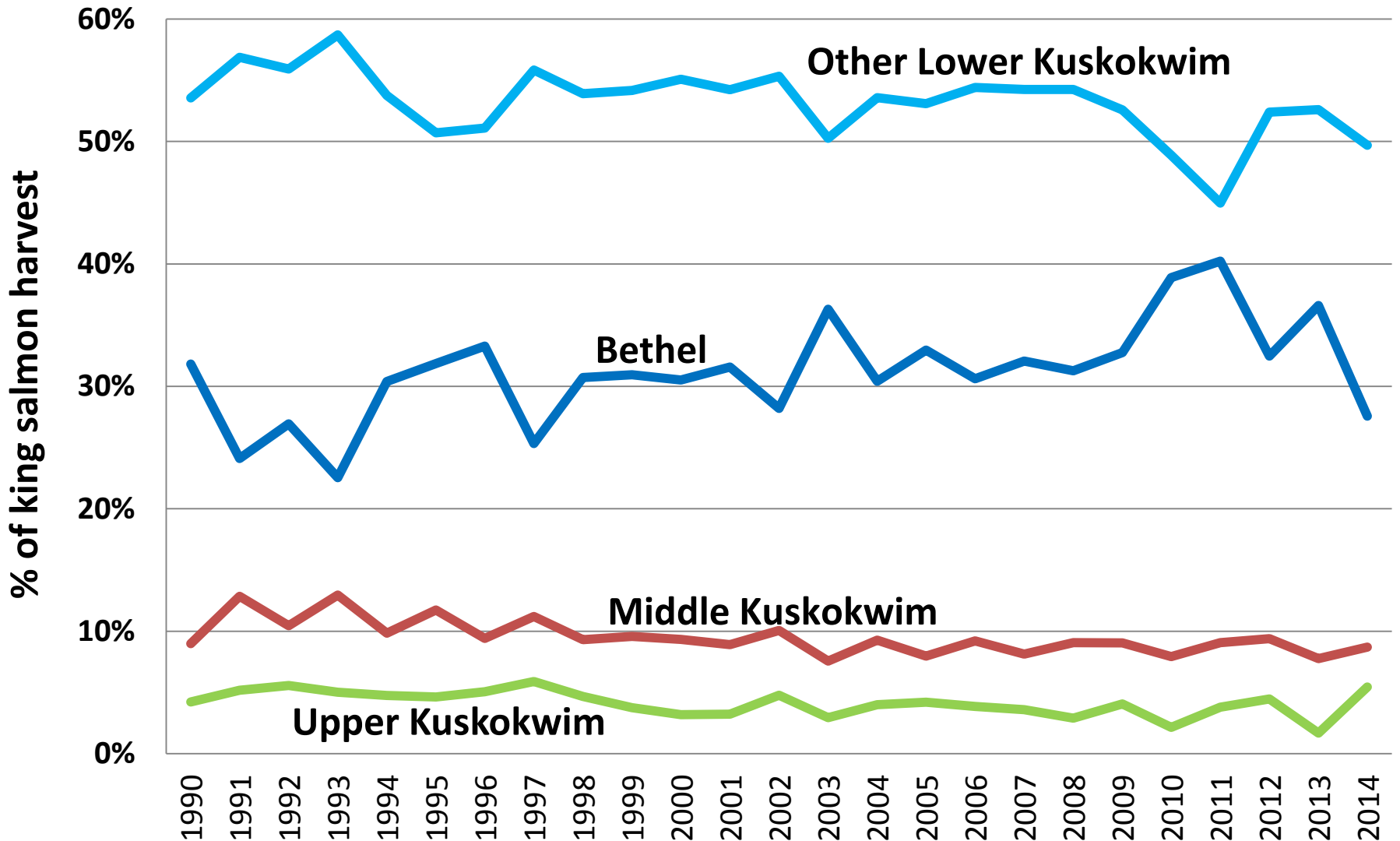
Average % of **King Salmon Harvest** on the Kuskokwim River by Region in 1990-2014



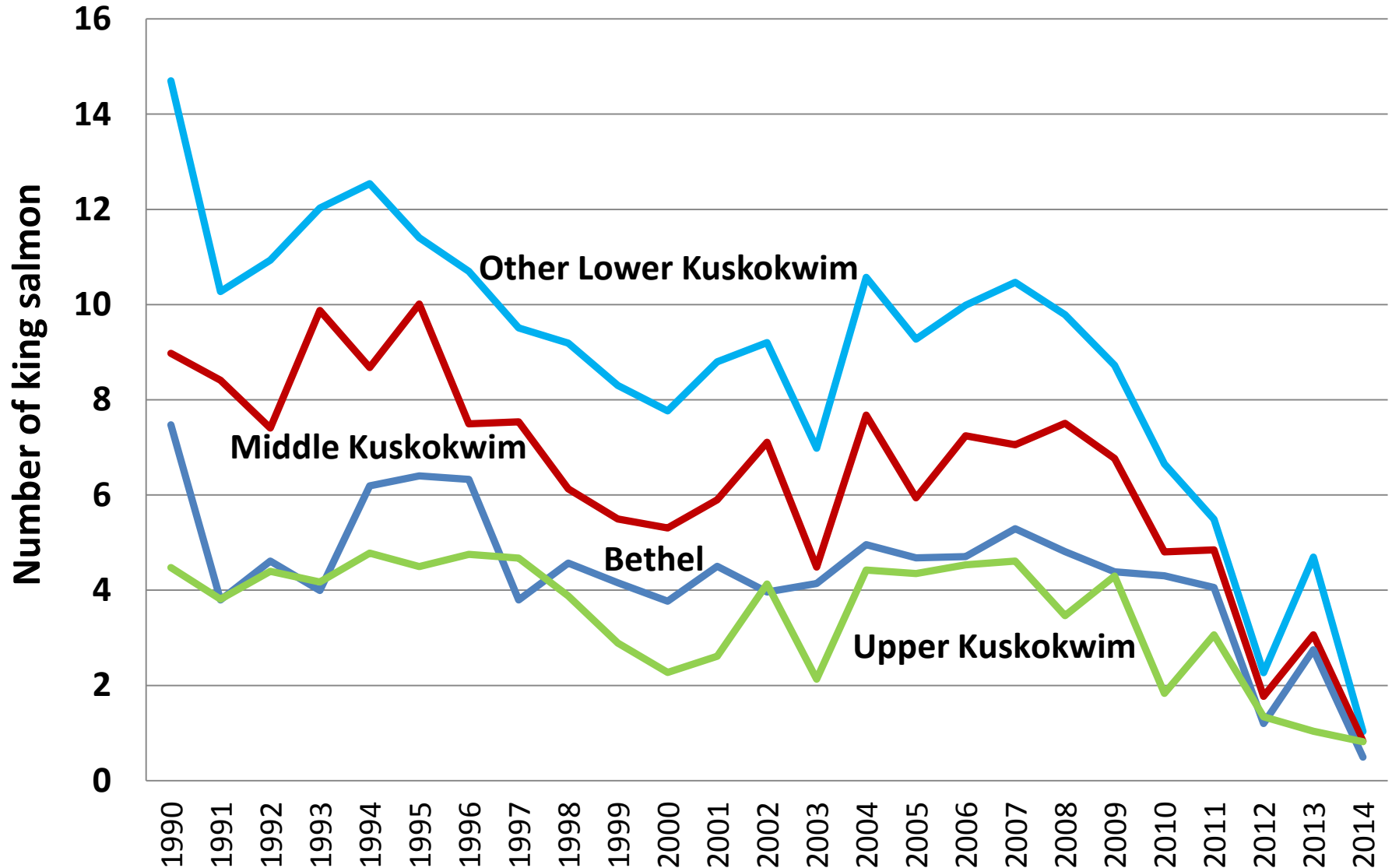
Human Population on the Kuskokwim River by Region in 1990-2014



Proportional Subsistence King Salmon Harvest on the Kuskokwim River by Region in 1990-2014



Kuskokwim River Subsistence King Salmon PER CAPITA Harvest by Region in 1990-2014

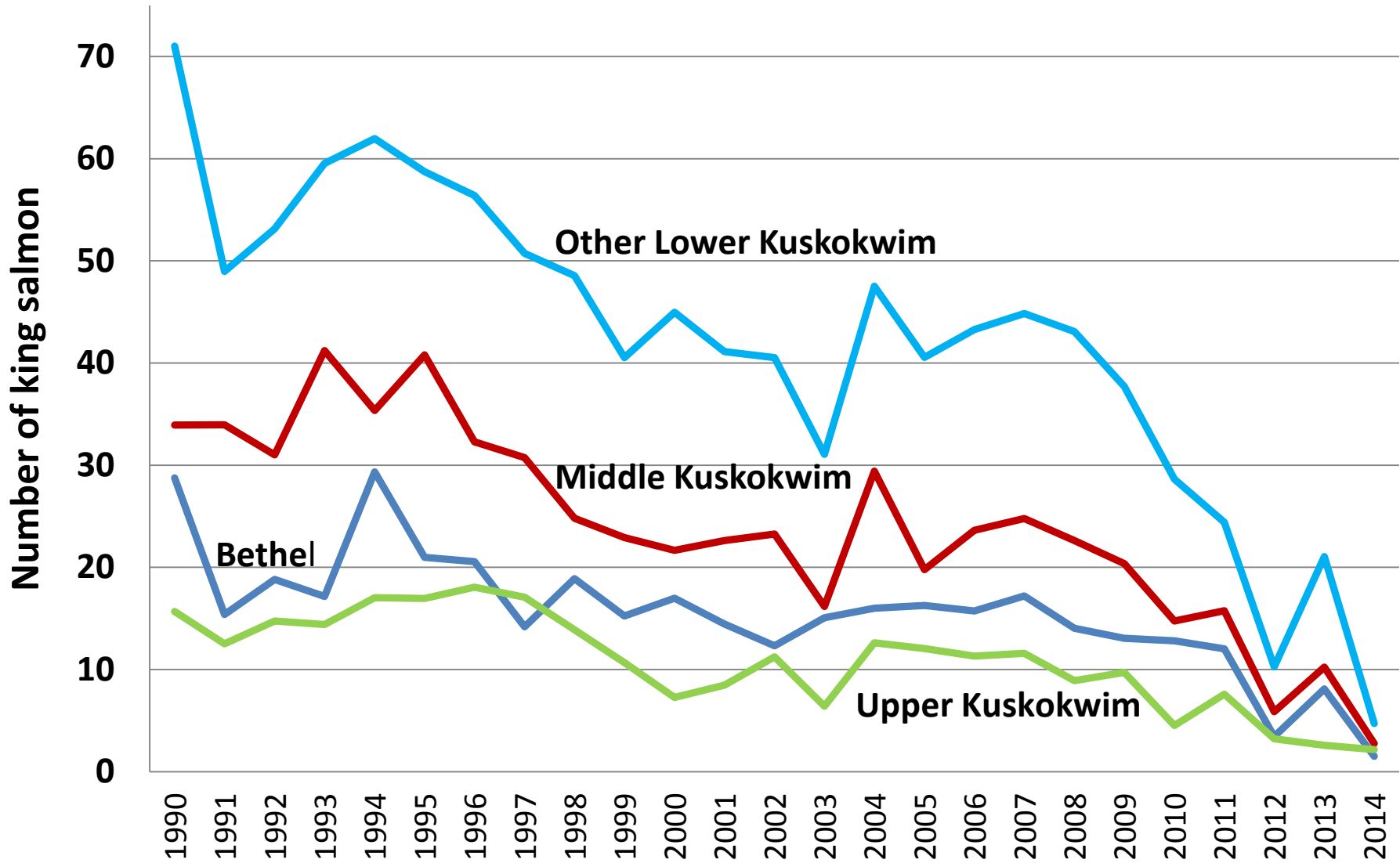


Summary of Kuskokwim River Subsistence King Salmon **PER CAPITA** Harvest by Region in 1990-2014

	1990-1999 average	2000-2009 average	2010-2014 average
Other L. Kuskokwim	11	9	4
Bethel	5	5	3
Middle Kuskokwim	8	6	3
Upper Kuskokwim	4	4	2



Kuskokwim River Subsistence King Salmon Harvest PER HOUSEHOLD by Region in 1990-2014



Summary of Kuskokwim River Subsistence King Salmon Harvest **PER HOUSEHOLD** by region in 1990-2014

	1990-1999 Average	2000-2009 average	2010-2014 average
Other L. Kuskokwim	55	41	18
Bethel	20	15	8
Middle Kuskokwim	33	22	10
Upper Kuskokwim	15	10	4



Projects on Subsistence Conducted during Times of Conservation (2010-2015)

Comprehensive Subsistence Survey (2010-2014)

- Approx. 1,350 surveys and 200 key respondent interviews in 24 communities through out the Kuskokwim Area

Chinook Salmon Research Initiative Projects

- **Patterns & Trends in Subsistence King Salmon Fishery (2014-2015)**
 - 173 surveys in Bethel and 5 Middle and Upper Kuskokwim communities
- **Local Traditional Knowledge of Freshwater King Salmon Life History (2014)**
 - 32 interviews in 5 Middle and Upper Kuskokwim communities

Inseason Harvest Assessment Projects

- **Middle Kuskokwim Inseason Harvest Assessment (2014-2015):**
 - Over 310 surveys in 8 Middle Kuskokwim communities
- **Lower Kuskokwim Inseason Harvest Assessment (2014-2015)**
 - 37 fishers from 3 Lower Kuskokwim communities participated

Ethnographic Data on Subsistence During Times of Conservation (2010-2015)

- Choices made by fishers
 - Not traveling to fish camp or using smoke house for just a few king salmon
 - Not trying to target kings but other salmon species
- Effects of closures on salmon fishing
 - Difficulty harvesting other salmon species due to gear restrictions
 - Reliance on other salmon species increases
- Effects of closures on processing
 - Early closures during good drying weather affect harvest goals and effort

Acknowledgement

- Association of Village Council Presidents
- Residents, Tribal Councils, and Cities of the following communities:
Quinhagak, Eek, Tuntutuliak, Nunapitchuk, Napaskiak, Napakiak, Oscarville, Bethel, Kwethluk, Akiak, Tuluksak, Lower Kalskag, Upper Kalskag, Aniak, Chuathbaluk, Georgetown, Crooked Creek, Napaimute, Red Devil, Sleetmute, Stony River, Lime Village, McGrath, Takotna, & Nikolai
- Funding agencies:
Alaska Sustainable Salmon Fund (AKSSF), Donlin Gold LLC, & State of Alaska

Questions?