Subsistence in Rural Alaska's Mixed Economy

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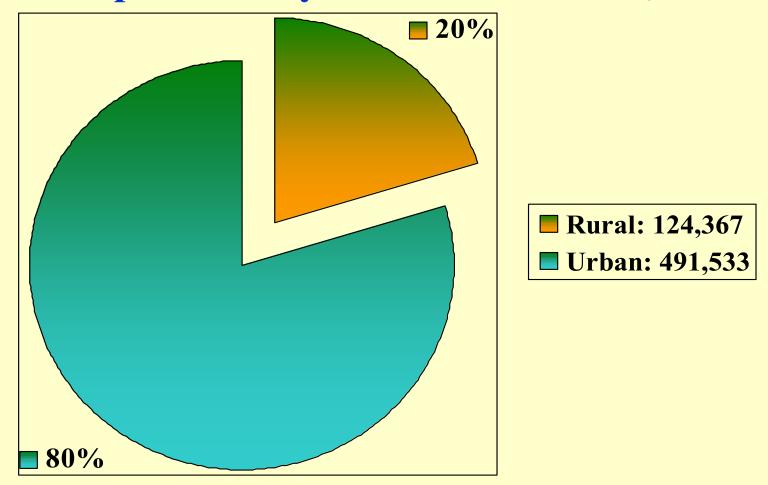
April 2000; updated February 2001

SUBSISTENCE DEFINED

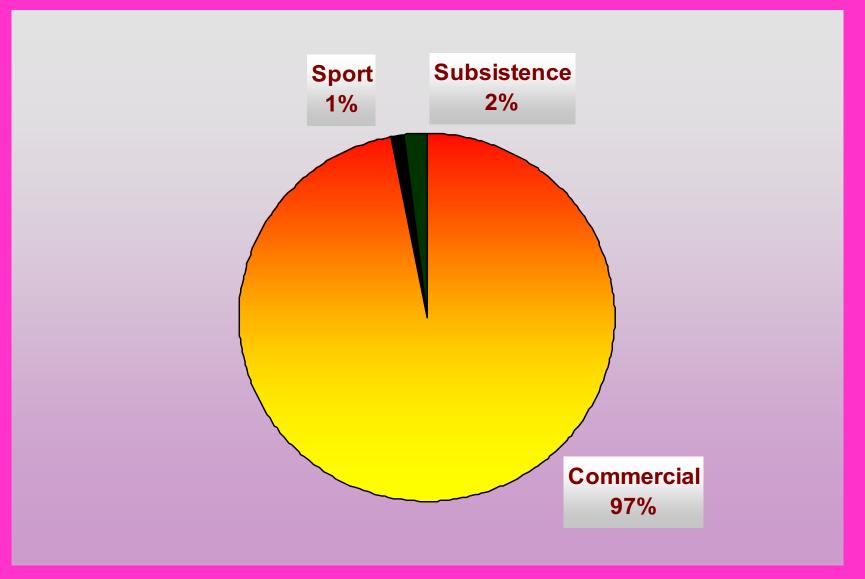
It is the "Customary and Traditional uses" of wild resources for food, clothing, fuel, transportation, construction, art, crafts, sharing, and customary trade.

Who participates in subsistence uses?

Alaska's Population by Rural and Urban, 1995



Who harvests Alaska's fish and wildlife?



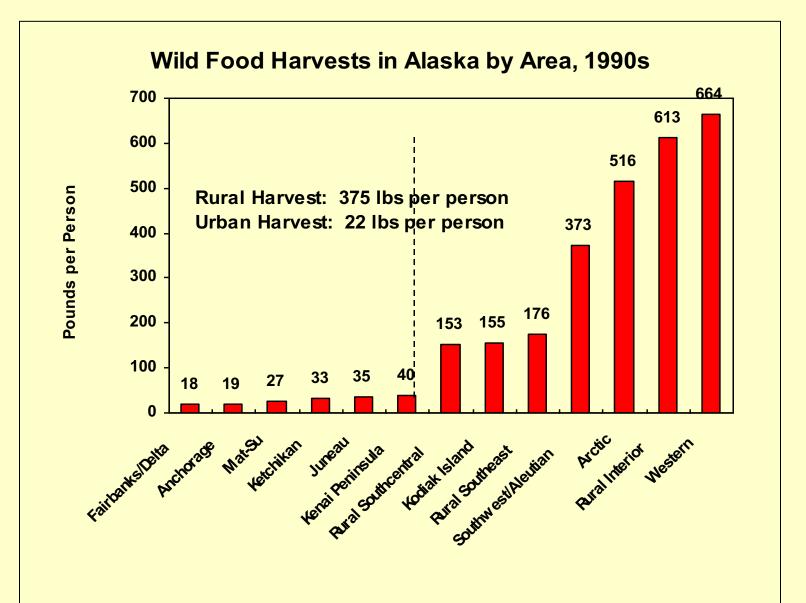
Features of Subsistence in Rural Alaska Today

- Mixed economy: cash and subsistence sectors support each other
- High participation in subsistence activities
- High levels of subsistence harvest; high nutritional value
- Diverse range of resources used

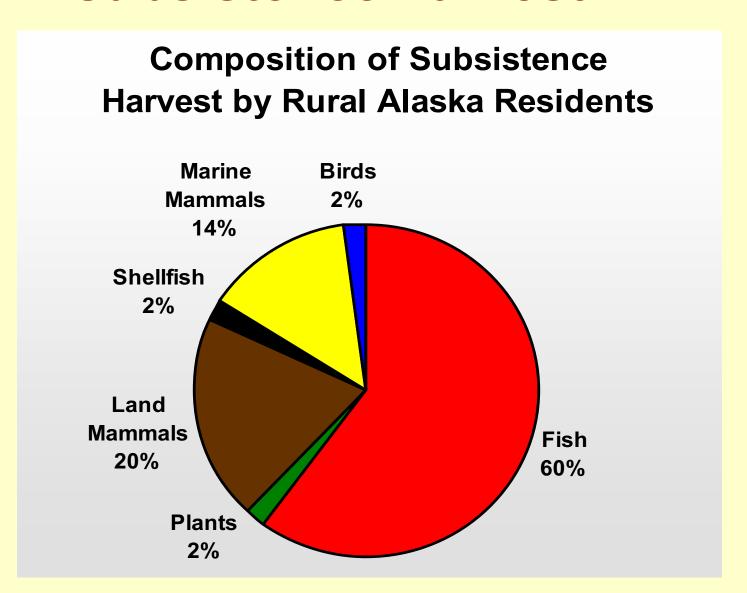
FISH CAMP ON THE COPPER RIVER



Where do Subsistence Harvests Occur?



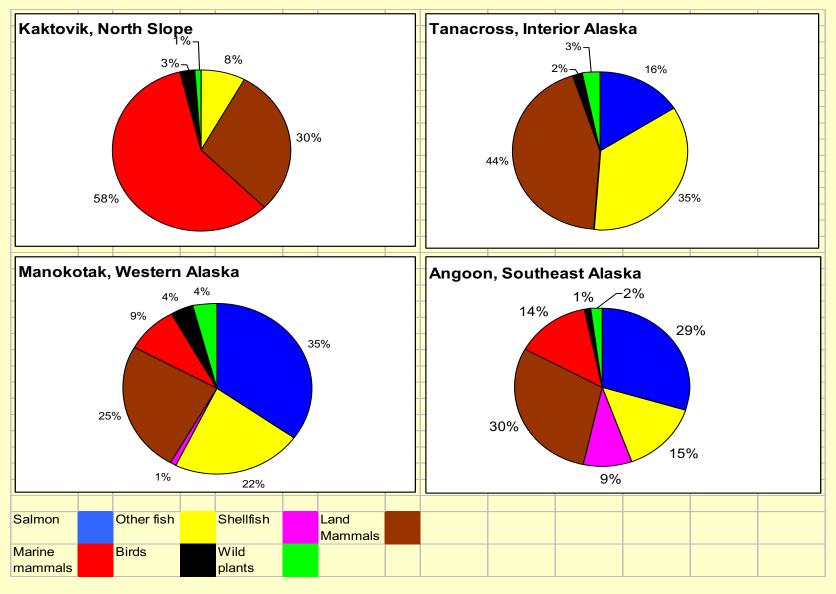
What resources make up the subsistence harvest?



Processing Sockeye Salmon



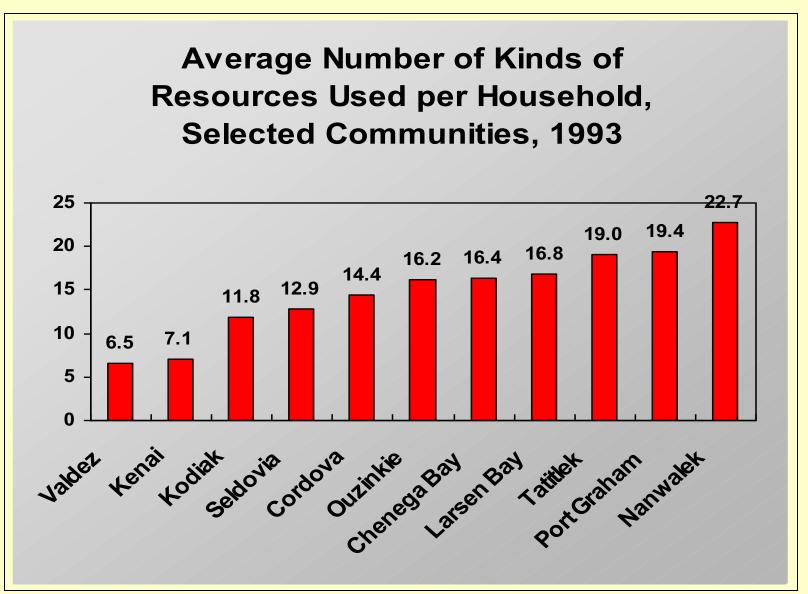
Composition of Subsistence Harvests Across the State



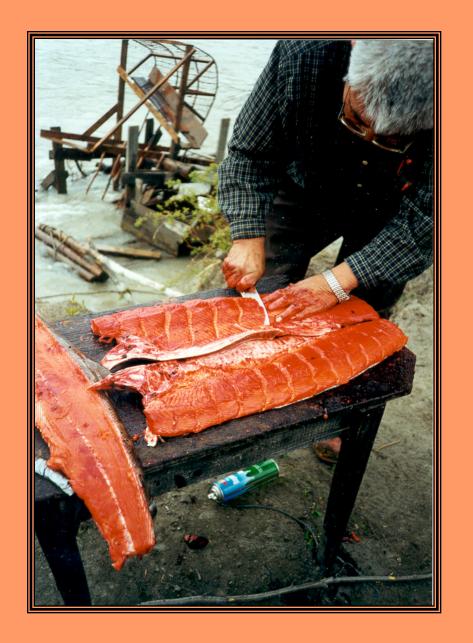
Pulling a King Salmon from a Fishwheel on the Copper River



Diversity of Subsistence Harvests



Processing King Salmon, Copper River



Levels of Involvement in Subsistence Uses

Percent of Households Participating in					
Subsistence Activities in Rural Areas					
Area	Harvesting <u>Game</u>	Using Game	Harvesting Fish	Using <u>Fish</u>	
Arctic	63%	92%	78%	96%	
Interior Southcentral	69% 55%	88% 79%	75% 80%	92% 94%	
Southeast Southwest	48% 65%	79% 90%	80% 86%	95% 94%	
Western	70%	90%	98%	100%	
Total Rural	60%	86%	83%	95%	

Nutritional and Other Values

	Rural Areas	Urban Areas
Annual Wild Food Production, Lbs/person	375	22
Total Annual Wild Food Production, Lbs	43,714,606	9,740,12
Percent of Population's Required Protein @ 49 grams per day	242%	15%
Percent of Population's Required Calories @ 2400 calories per day	35%	2%
Replacement Value @ \$5 per pound	\$218,573,030	\$48,700,080

Harvesting Sockeye Salmon From the Copper River

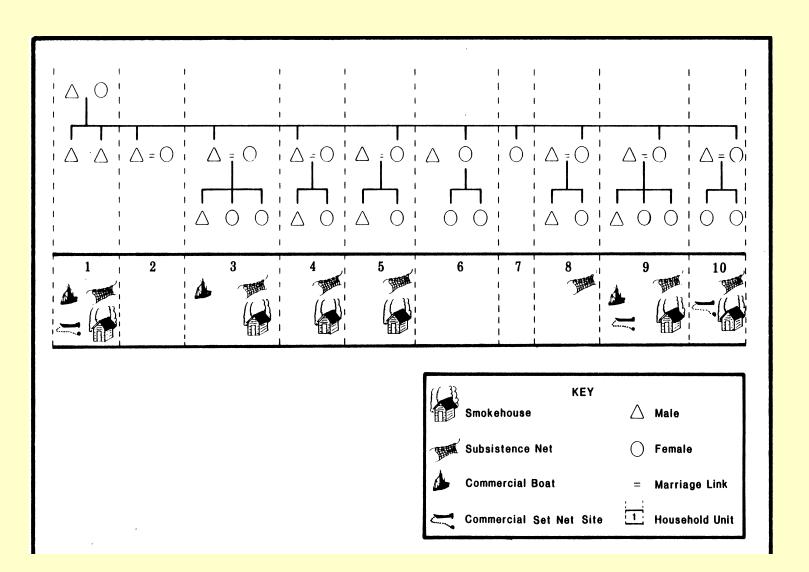


Features, continued

- Domestic mode of production, usually based on extended kinship
- Roles defined by age, sex, and culture
- Household specialization in subsistence production
- More unstable cash sector: seasonal employment, relatively low cash incomes; cash invested in subsistence sector

Subsistence as a Family Affair

An Extended Family at Port Graham that Cooperated in Subsistence Salmon Fishing and Processing, 1980s



Specialization in subsistence harvests; integration of cash and subsistence sectors

Subsistence Harvests by Income, Six Lower Yukon River Communities

Household's Major Income Sources	Mean Household Income	Mean Household Harvests
Wage Employment and Commercial Fishing	\$23,362	5,274lbs
Wage Employment Only	\$19,025	4,608lbs
Commercial Fishing Only	\$19,926	3,920lbs
Transfer Payments (e.g. ADC)	\$6,468	435lbs

Unstable cash sector in local economy

Mean Income per Income Tax Return, 1981 - 1985, Grouped by Rural and Urban Area				
Urban Juneau	\$24,250			
Rural southeast	\$15,402			
Urban Anchorage	\$24,457			
Rural south central	\$15,238			
Urban Fairbanks	\$24,677			
Rural Interior	\$12,275			
Rural Southwest	\$15,147			
Rural Alaska	\$15,025			
Rural Western	\$9,366			

Features, continued

 Kinship-based non-commercial distribution and exchange networks.

- Patterned, stable seasonal round of subsistence production.
- Traditional systems of land use and occupancy.

Features, continued

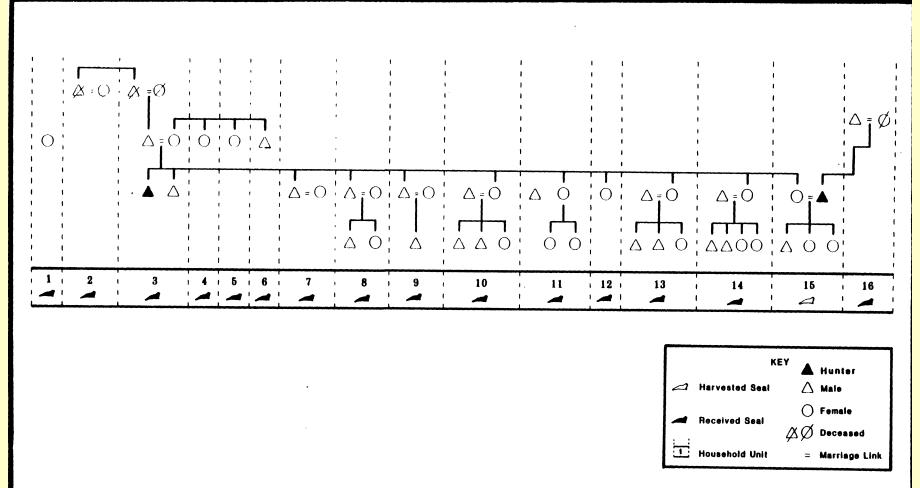
 Subsistence foods play important roles in social and cultural events.

 Complex systems of beliefs, knowledge, and values associated with resource use, passed on as cultural and oral traditions of a social group.

Whitefish Weir in Interior Alaska

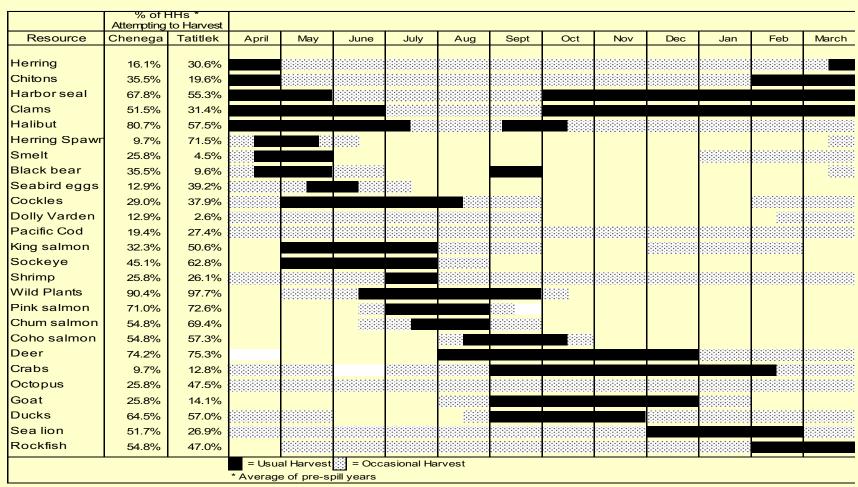


Non-commercial distribution of subsistence foods: extensive and kinship-based



Patterned Seasonal Round

Seasonal Round of Harvest Activities by Residents of Chenega Bay and Tatitlek, 1980s



SOURCE: Fall et al. 1996

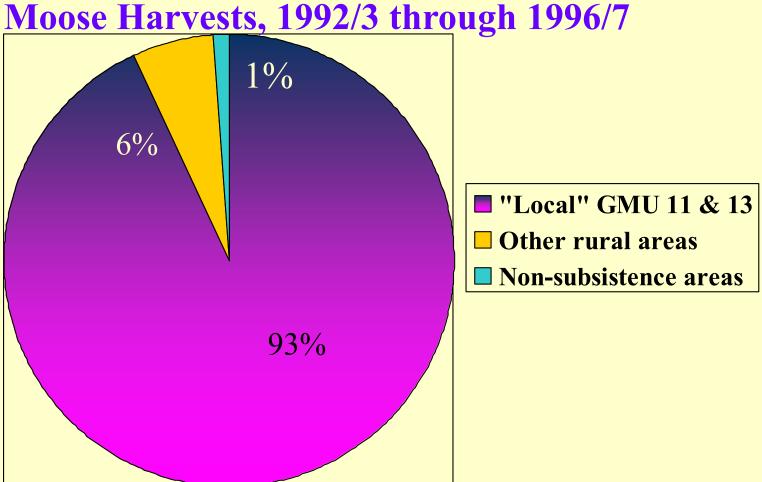
Processing Herring, Prince William Sound



Traditional Land Use Patterns

Location of Copper Basin Resident's

Moose Herwests, 1002/3 through 1006



Some Features of the Urban Economy

- Corporations and non-family businesses control land, resources, and capital.
- Production is for the market.
- Labor is a commodity that is bought and sold.
- Laborers are compensated through wages, salaries, and pay.
- Work schedules determined by industrial and business schedules, not natural cycles.

Additional Features of Urban Economy

Production, distribution, and management activities are highly stratified and specialized.

Food is produced by businesses and purchased by consumers with money earned through wages.

Additional Features of Urban Economy

- Fishing and hunting are viewed either as: 1) commercial uses (commercial fishing, guiding) or 2) recreational/sport uses (intermittent breaks from work for fun).
- Access and regulation of fishing and hunting is by the state and/or federal governments.

For more information:

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907-465-4147 (Voice); 465-2066 (FAX)

For more information, continued

- Web Page Address: www.state.ak.us/local/akpages/FISH.GAME/ subsist/subhome.htm
- Community Profile Database (on-line)
- Subsistence fisheries databases
- Technical Paper Series (abstracts on-line)
- Informational leaflets and brochures
- ADF&G's web page has essays on subsistence uses and current issues regarding subsistence management