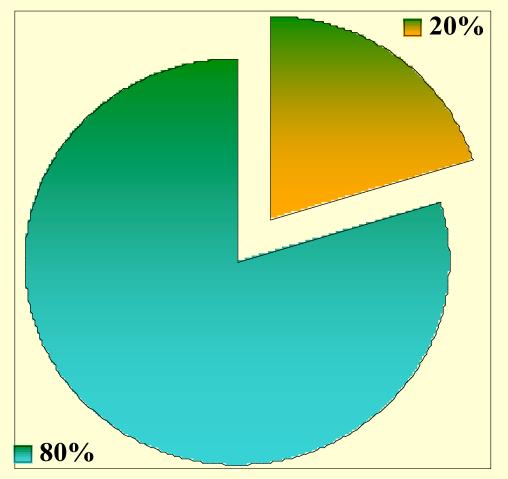
Subsistence in Rural Alaska's Mixed Economy **Prepared by: Division of Subsistence**, ADF&G **April 2000; updated February** 2001

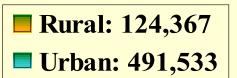
SUBSISTENCE DEFINED

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

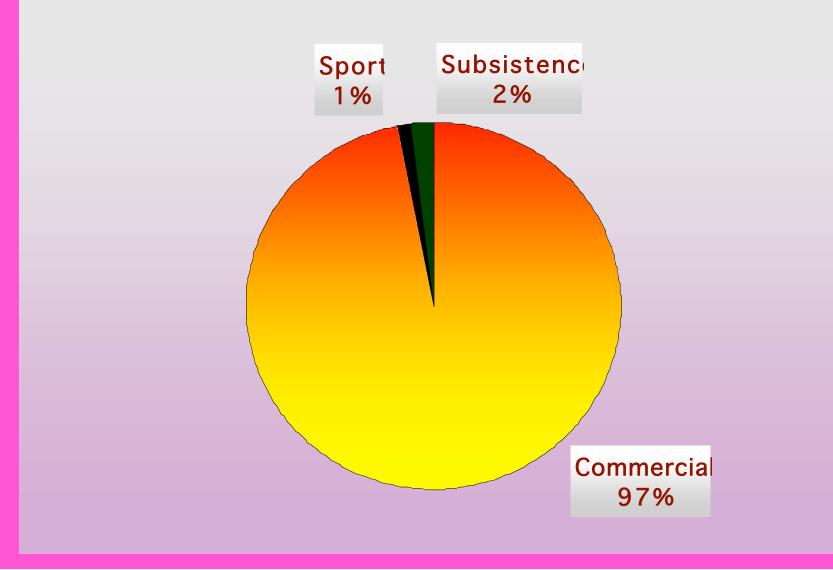
Who participates in subsistence uses?

Alaska's Population by Rural and Urban, 1995





Who harvests Alaska's fish and wildlife?



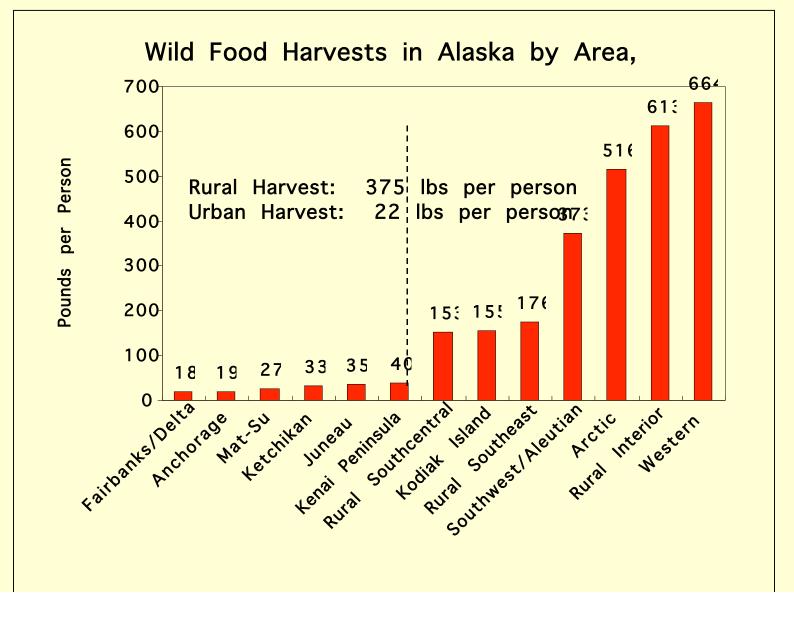
Features of Subsistence in Rural Alaska Today

- 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

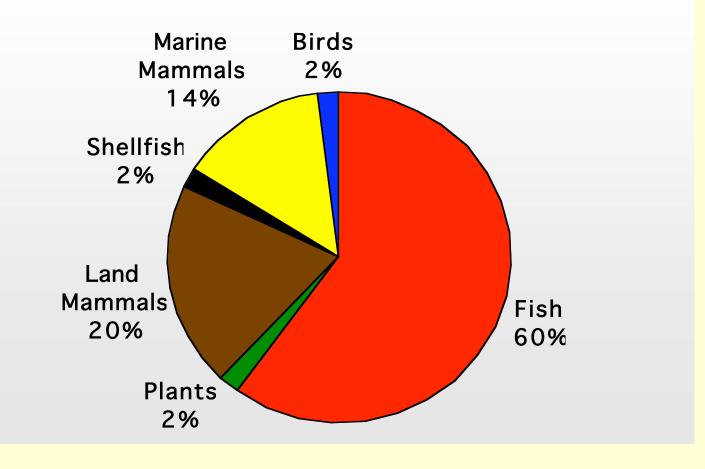


Where do Subsistence Harvests Occur?



What resources make up the subsistence harvest?

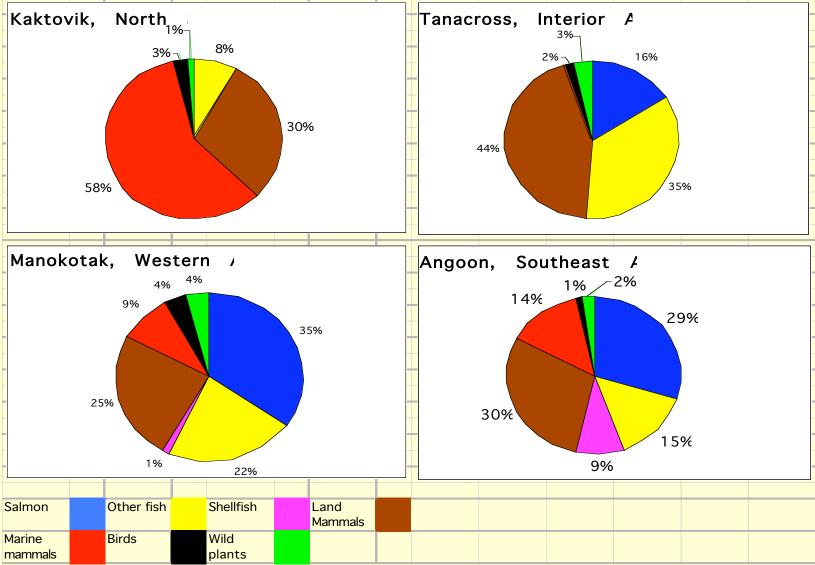
Composition of Subsistence Harvest by Rural Alaska Residen



Processing Sockeye Salmon



Composition of Subsistence Harvests Across the State

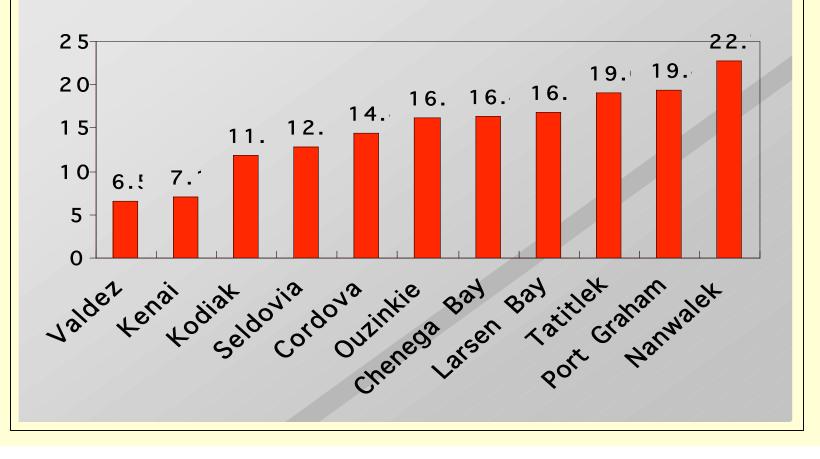


Pulling a King Salmon from a Fishwheel on the Copper River

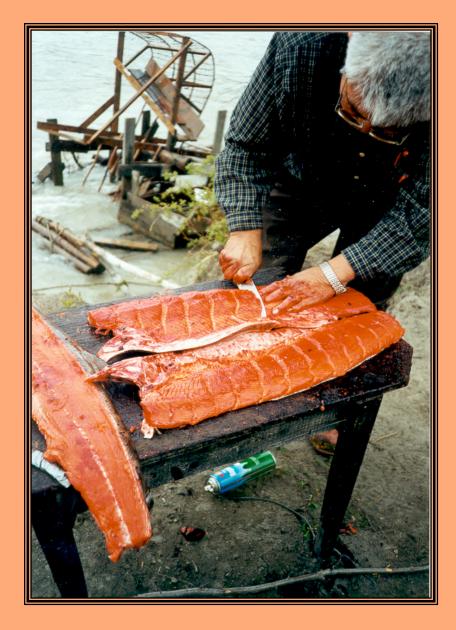


Diversity of Subsistence Harvests

Average Number of Kinds of Resources Used per Househol Selected Communities, 199



Processing King Salmon, Copper River



Levels of Involvement in Subsistence Uses

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

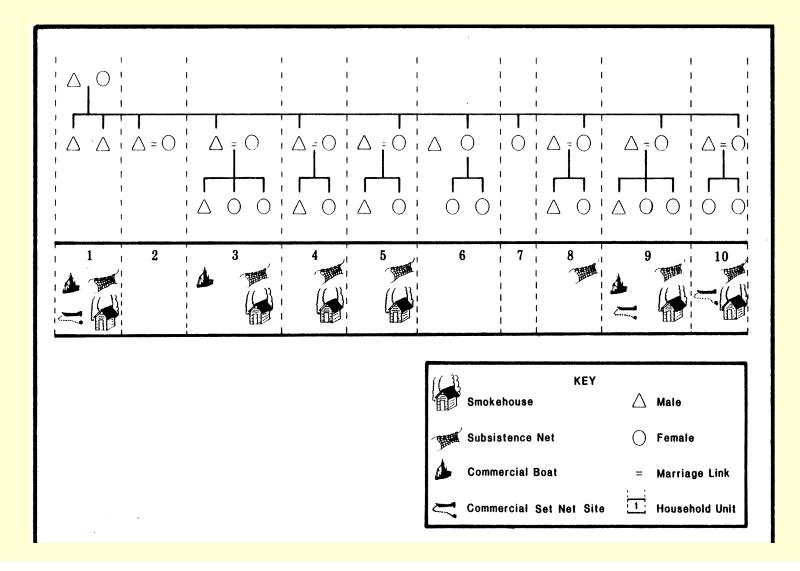


Features, continued

- 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 <u>Sources</u>	Mean Household Income	Mean Household <u>Harvests</u>
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	4351bs

Unstable cash sector in local economy

Mean	•	come Tax Return, 1981 - 1
	Grouped by	<u>Rural and Urban</u> Area
llrhan	Juneau	\$24,250
		- ,
Rural	southeast	\$15,402
Urban	Anchorage	\$24,457
Rural	southcentral	\$15,238
llrhan	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.

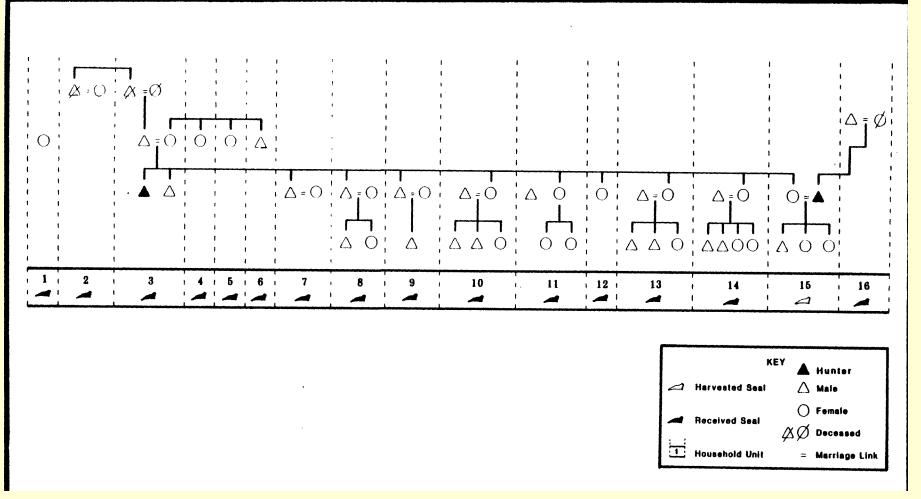
Features, continued

- 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

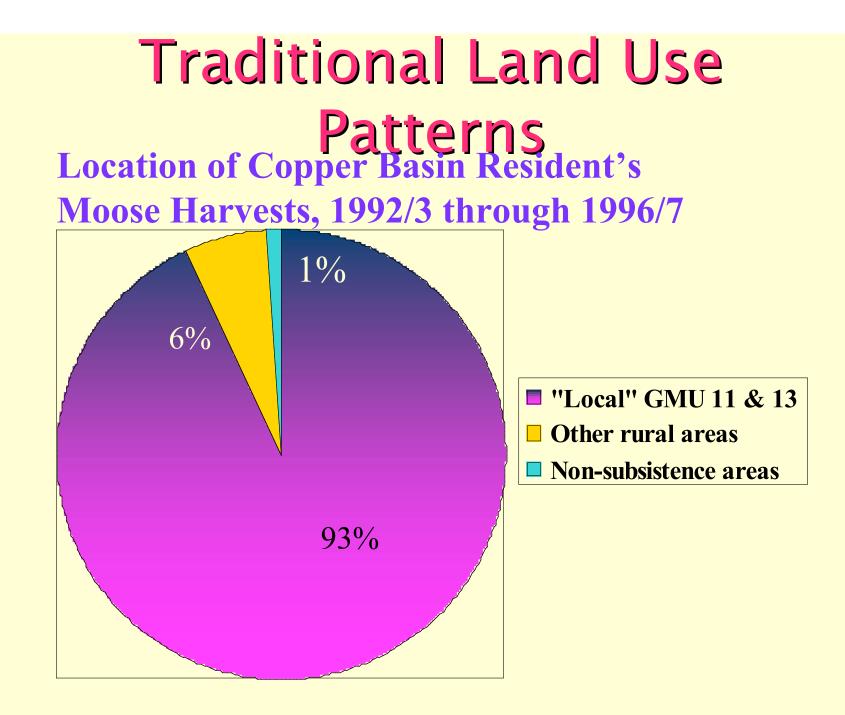
Seasonal Round of Harvest Activities by Residents of Chenega Bay and Tati

		HHs *												
Deserves		ing to Ha										. .		
Resource	Chenega	Tatitlek	April	Мау	June	July	Aug	Sept	Oct	Nov	Dec	Jar	Feb	March
Herring	16.1%	30.6%												
Chitons	35.5%	19.6%												
Harbor seal	67.8%	55.3%												
Clams	51.5%	31.4%												
Halibut	80.7%	57.5%												
Herring Spaw	9.7%	71.5%												
Smelt	25.8%	4.5%												
Black bear	35.5%	9.6%												
Seabird eggs														
Cockles	29.0%													
Dolly Varden	12.9%													
Pacific Cod	19.4%													
King salmon	32.3%													
Sockeye	45.1%													
Shrimp	25.8%													
Wild Plants	90.4%													
Pink salmon	71.0%													
Chum salmon														
Coho salmon	54.8%							1						
Deer	74.2%													
Crabs	9.7%	_						1						
Octopus	25.8%													
Goat	25.8%													
Ducks	64.5%													
Sea lion	51.7%													
Rockfish	54.8%	47.0%												
				ual Harve ge of pre-		casional I	larvest							
			Averag	je or pre-	spiii yeai	3								

SOURCE: Fall et al. 1996

Processing Herring, Prince William Sound





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:

Division of Subsistence Alaska Department of Fish & Game PO Box 25526 Juneau, Alaska 99802–5526 907–465–4147 (Voice); 465–2066 (FAX)

For more information, continued

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