Subsistence Harvest of Herring Eggs in Sitka Sound



Purpose of Presentation

- Regulatory history
- Harvest assessment program
- Recent survey results
- 2021 survey planning





Board of Fisheries actions

- 1989
 - Customary and traditional use determination.
- 2002
 - Sitka Tribe of Alaska (STA) proposal.
 - Amount reasonably necessary for subsistence (ANS) finding of between 105,000 and 158,000 lb of herring spawn.
 - Implement harvest monitoring program.
- 2009
 - ANS revised to 136,000-227,000 pounds of herring roe.





Regulatory actions, continued

- 2012
 - Closure within "core" area to commercial sac roe herring fishery.
- 2015
 - Federal action on Makhnati Island waters
- 2018
 - Expanded closure within "core" area
- 2021
 - Several proposals are before the BOF this cycle



Harvest Monitoring Program

HERRING EGG SUBSISTENCE HARVEST SURVEY SITKA, ALASKA

This survey is used to estimate subsistence harvests of herring eggs from Sitka Sound and to describe community subsistence economies. We will publish a summary report which will be available to all households in your community. We share this information with the Sitka Tribe of Alaska, the Alaska Department of Fish and Game, the U.S. Fish and Wildlife Service and the National Park Service. We work with the Federal Regional Advisory Councils and with local Fish and Game Advisory Committees to better manage subsistence, and to implement Federal and state subsistence priorities.

This project is guided by the research principles adopted by the Alaska Federation of Natives in 1993. We will NOT identify your household. We will NOT use this information for enforcement. Participation in this survey is voluntary. Even if you agree to be surveyed, you may stop at any time.

HOUSEHOLD ID:		
COMMUNITY ID:	Sitka	313
INTERVIEWER:		
INTERVIEW DATE:		
	DATA CODED BY:	
	DATA ENTERED BY:	
	SUPERVISOR:	
	-	





- To conduct in-person interviews with households who harvest herring spawn.
- To produce estimates of the total pounds of herring spawn harvested on hemlock branches, Macrocystis kelp, hair seaweed and "other" substrates; and,
- To identify locations where herring spawn are harvested.



Conversion factors

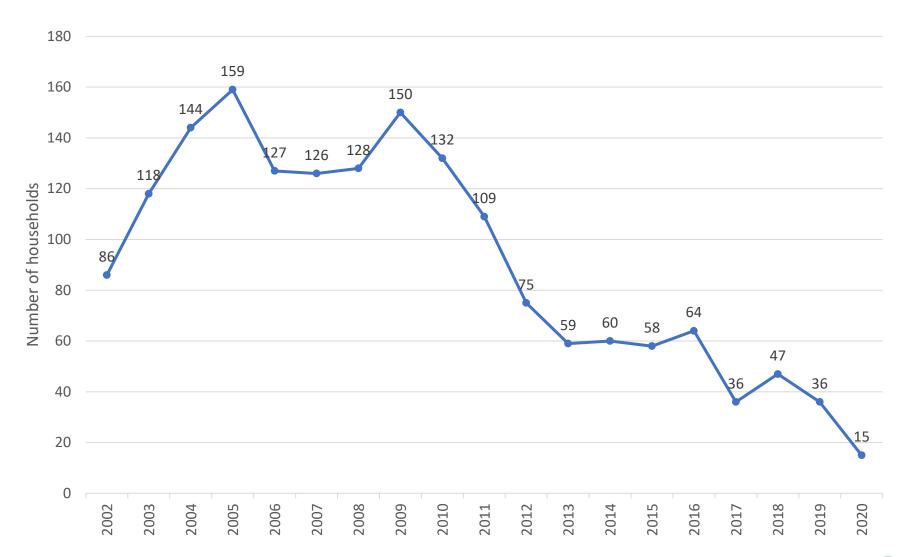
- Determining harvest weights
 - STA and the department work together to develop a set of conversion factors.
 - Apply to most common types of containers.
 - Average weights developed through multiple measurements.





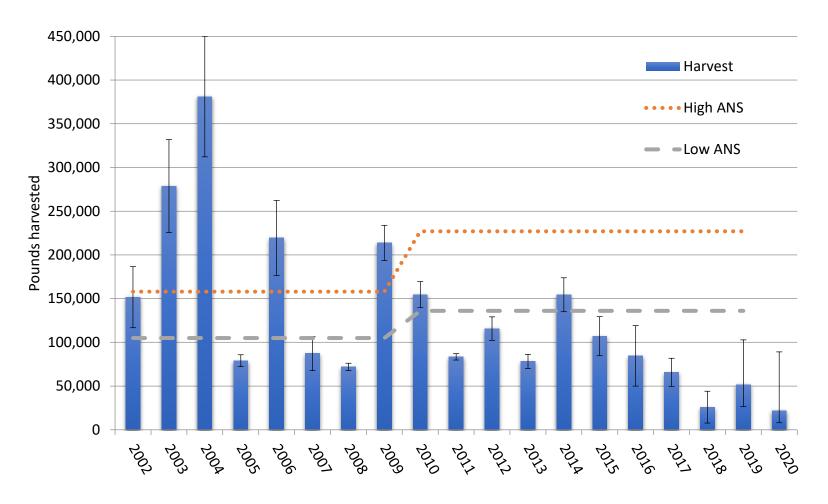


Survey Sample Achievement





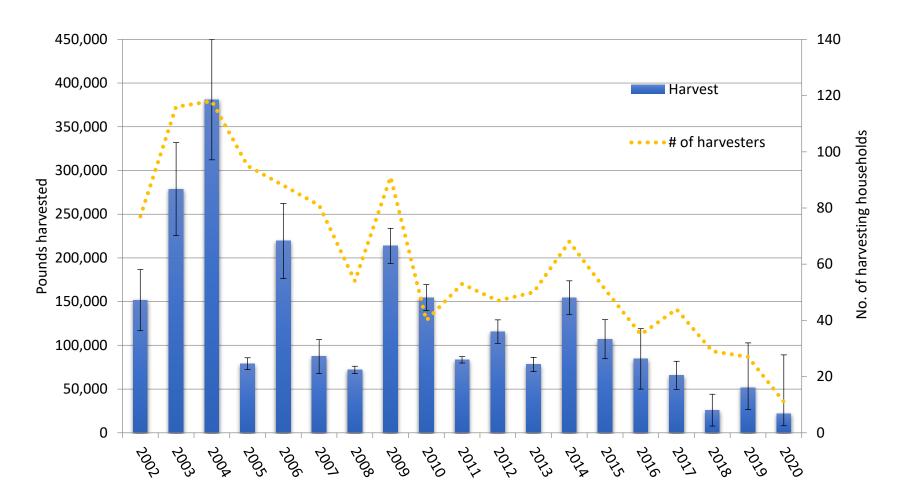
Estimated Harvest



Total pounds useable weight and amount necessary for subsistence (ANS) of herring spawn on all substrates in Sitka Sound, 2002–2020.



Harvest effort



Total pounds useable weight and number of subsistence harvesters in Sitka Sound, 2002–2020.

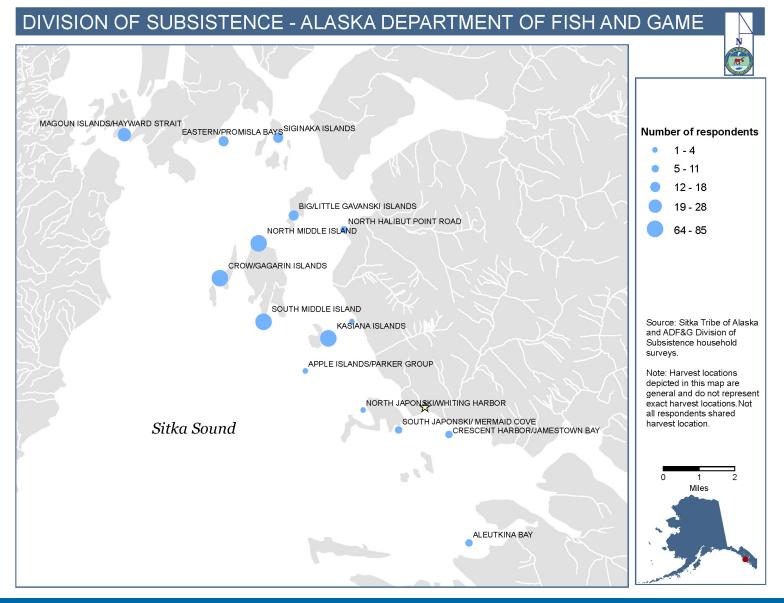


Harvest Locations 2020

DIVISION OF SUBSISTENCE - ALASKA DEPARTMENT OF FISH AND GAME Percent of harvest weight SIGINAKA ISLANDS EASTERN/PROMISLA BAYS, MAGOUN ISLANDS/HAYWARD STRAIT Number of respondents Source: Sitka Tribe of Alaska and ADF&G Division of Subsistence household surveys. Technical Paper No. XXX: The subsistence harvest of Pacific herring spawn in Sitka Sound, Alaska, 2020. Note: Harvest locations Sitka depicted in this map are general and do not represent exact harvest locations.Not all respondents shared harvest amounts per location. Percentages reflect Sitka Sound portion of total reported harvest by respondents who answered the question. Miles

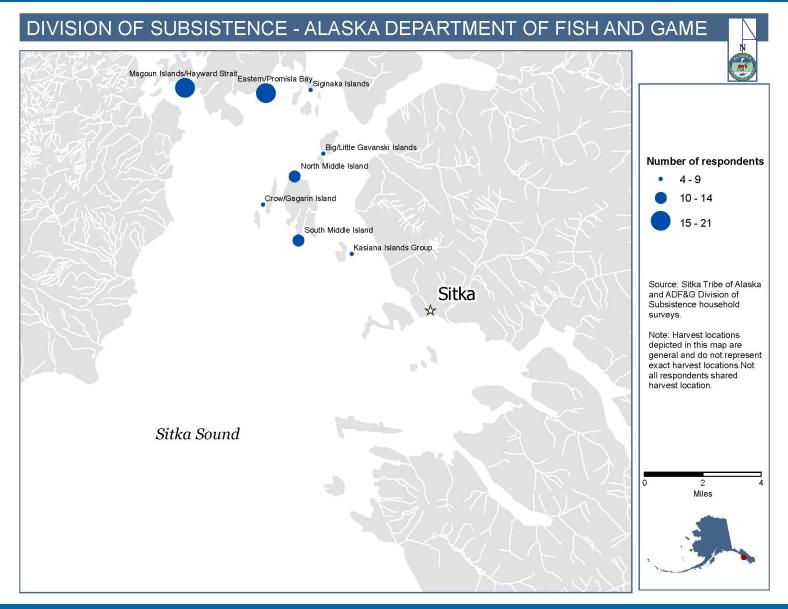


Harvest locations, 2011-2020

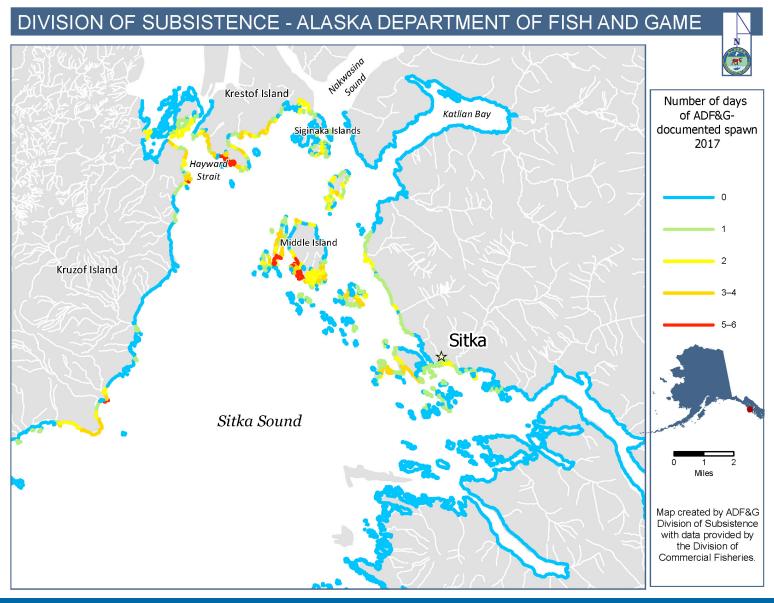




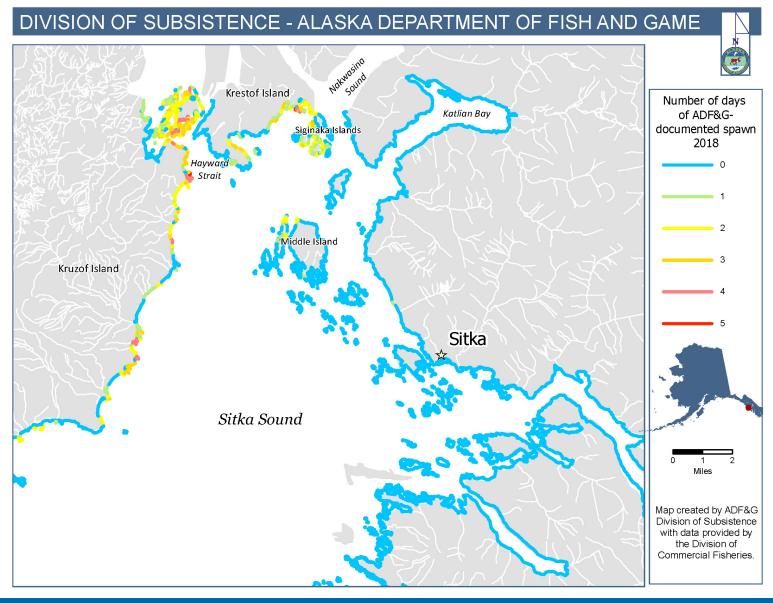
Harvest locations, 2017-2020



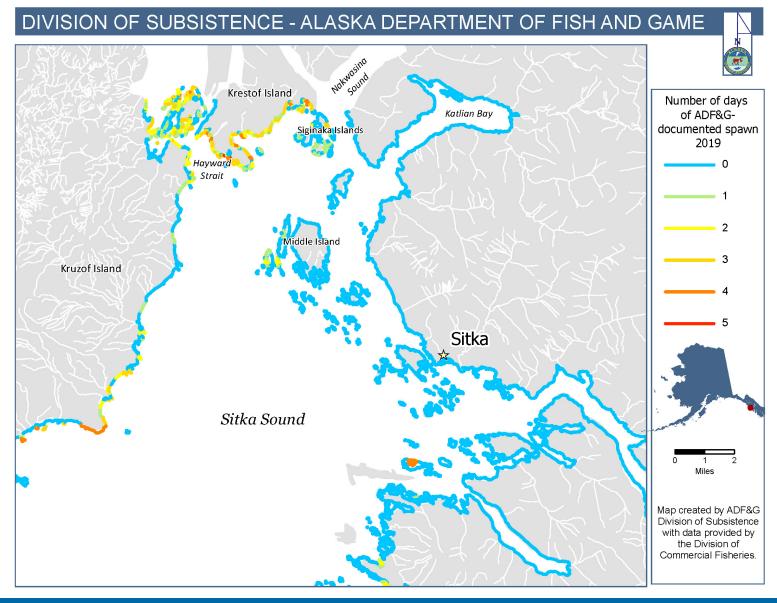




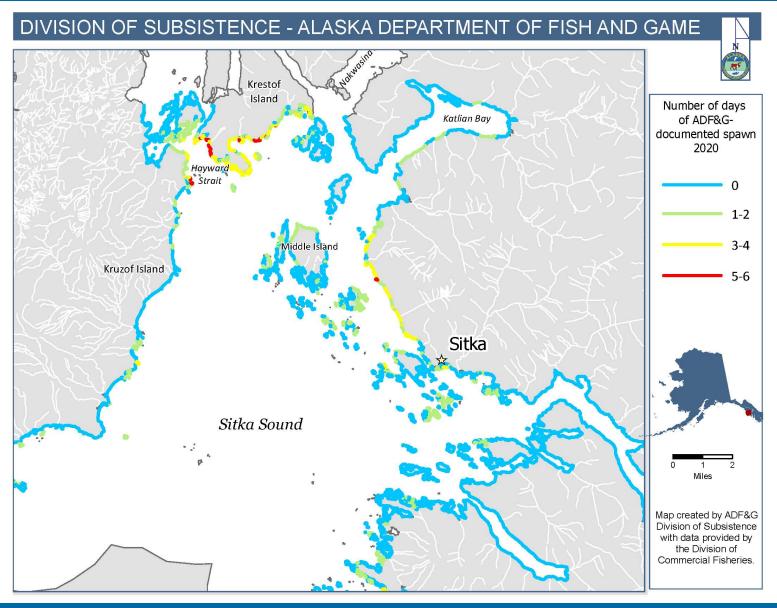






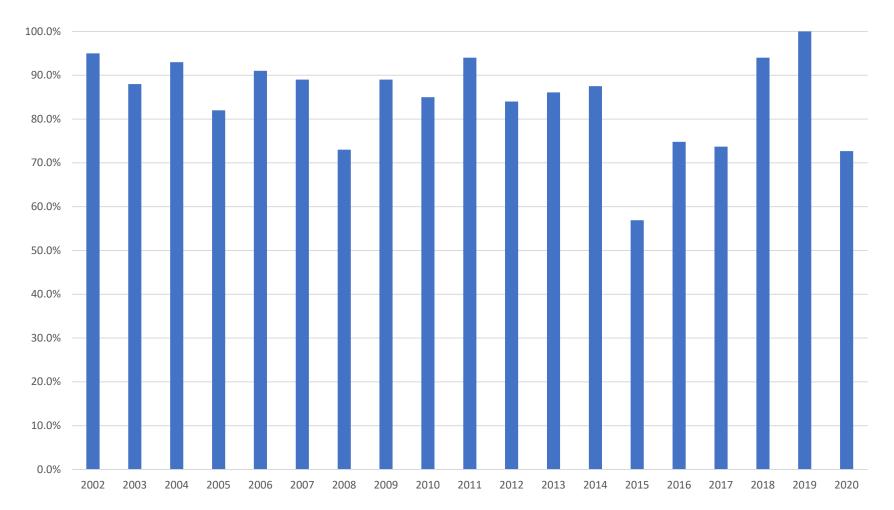








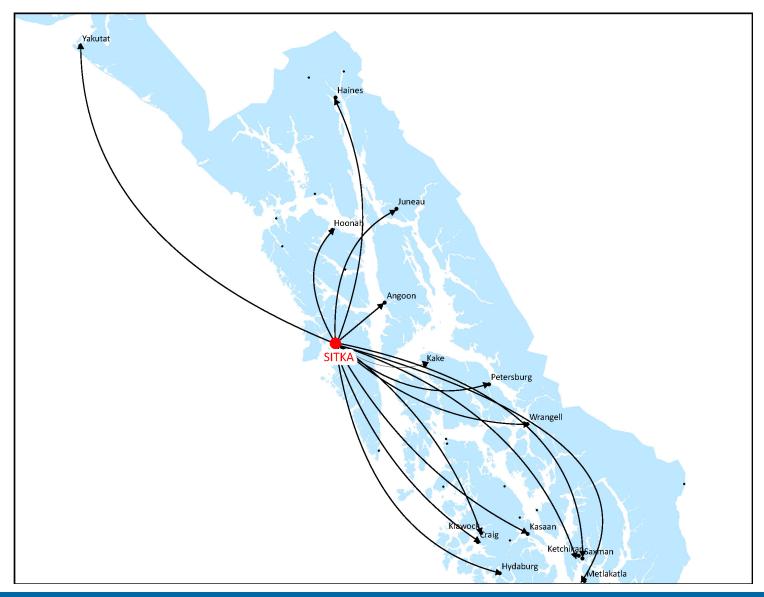
Sharing Herring Eggs



Percent of harvesting households giving away herring eggs, 2002-2020

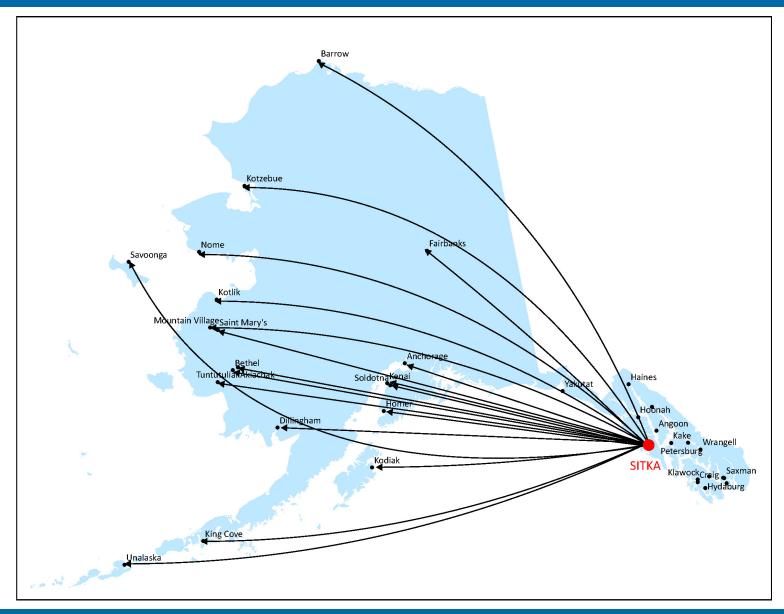


Sharing Herring Eggs





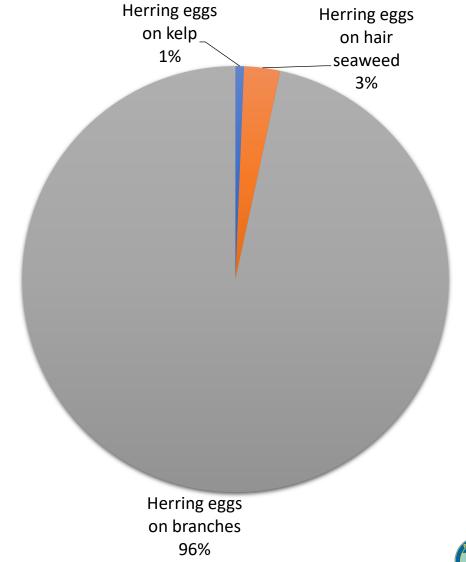
Sharing Herring Eggs





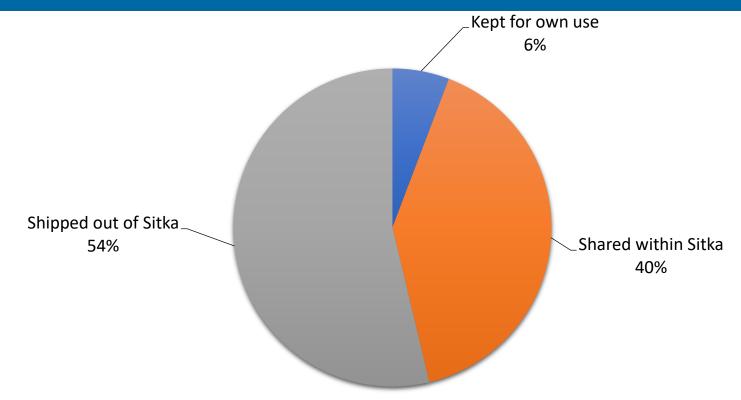
Herring Spawn Harvest by Substrate







Distribution of Harvest



	Kept for own use	Shared within Sitka	Shipped out of Sitka
Herring spawn - all types	6%	41%	54%
Herring spawn on hemlock branches	4%	41%	54%
Herring spawn on kelp	100%	0%	0%
Herring spawn, hair seaweed	35%	22%	43%



Assessments

What size vessel did households use to harvest herring spawn in 2020?

Number of less th	less than 20			Commercial		No boat used - harvested from	
households	feet	20 - 24 feet	Over 24 feet	vessel	Other	shore	
responding	%	%	%	%	%	%	
8	75.0	12.5	0.0	0.0	0.0	12.5	

Harvesting households harvested herring spawn for how many households in 2020?

Number of households	One	Two to five	Six to ten	Eleven to fifty	Fifty-one to one hundred	Over one hundred
responding	%	%	%	%	%	%
7	0.0	71.4	0.0	28.6	0.0	0.0



Assessments

Did harvesting households get enough herring spawn in 2020?

Number of		
households		
responding _	Yes	No
8	75%	25%

Did harvesting households get enough herring spawn to share in 2020?

Number of			
households			
responding	Yes	No	
6	100%	0%	

Project timeline

- 2021 project
- April through June: Harvester surveys
- June through October: Data analysis
- November/December: Report writing
- January 2022: Report publication







How you can help







- Sign up to be surveyed.
- Keep your shipping bills.
- Help identify other harvesters, local and non-local.

