

California Department of Fish and Wildlife

Klamath-Trinity Project

**Klamath Basin Chinook Salmon
Spawning Escapement, Harvest and
Age Composition, 2017 Season**



Salmon Information Public Meeting

Santa Rosa, CA. March 1, 2018

Wade Sinnen- Senior Environmental Scientist



Klamath River Basin

● Crescent City

Iron Gate Dam

Iron Gate Hatchery

Bogus Creek

Shasta River

Scott River

Salmon River

Klamath River

Trinity River

South Fork

Trinity River

Lewiston Dam

Trinity River Hatchery

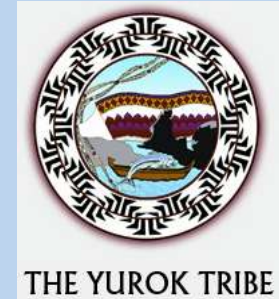
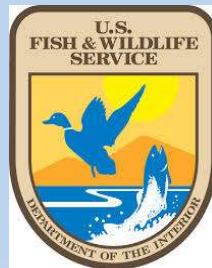
● Eureka

Pacific Ocean



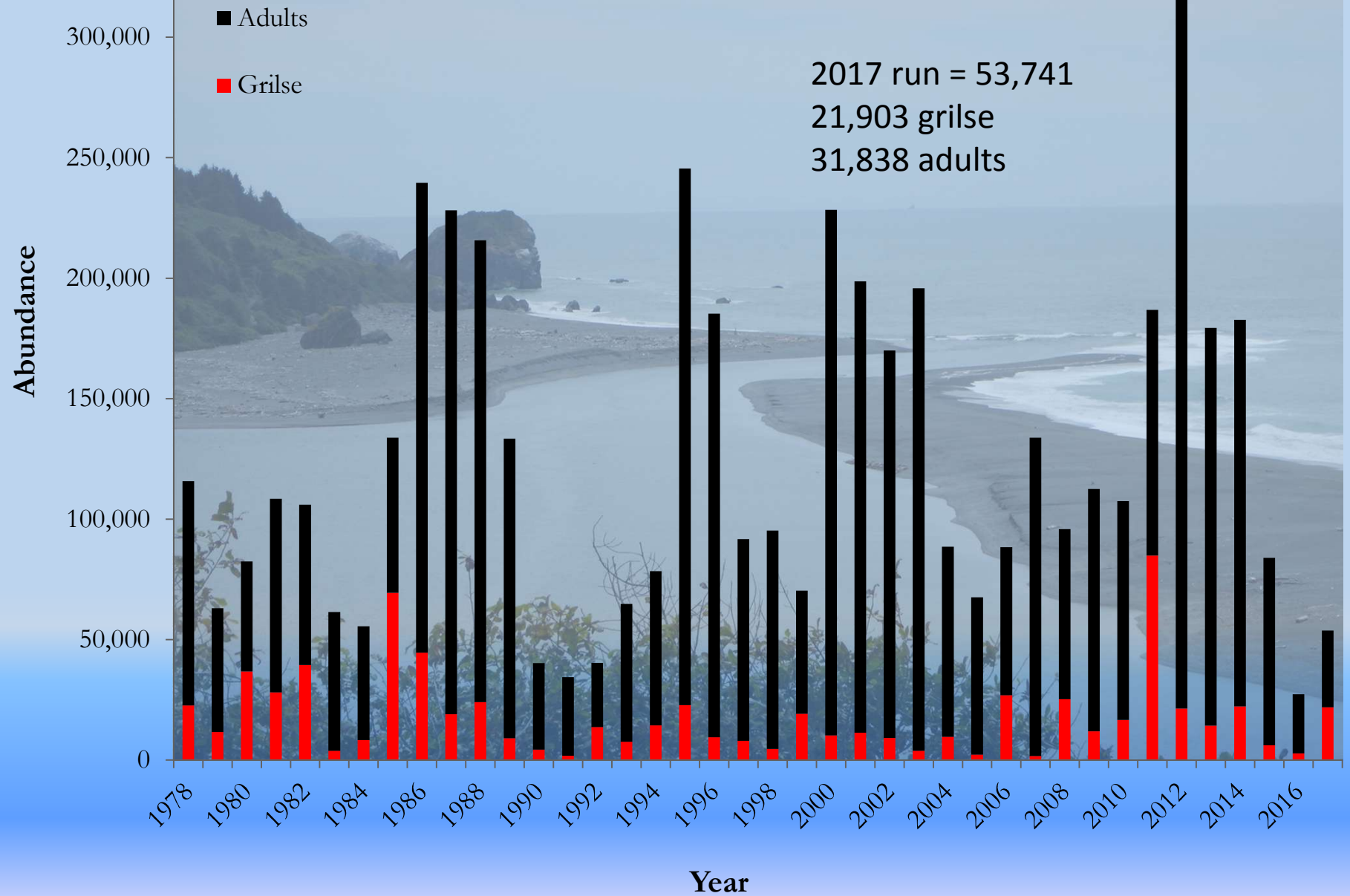
SISKIYOU COUNTY

Office of Education

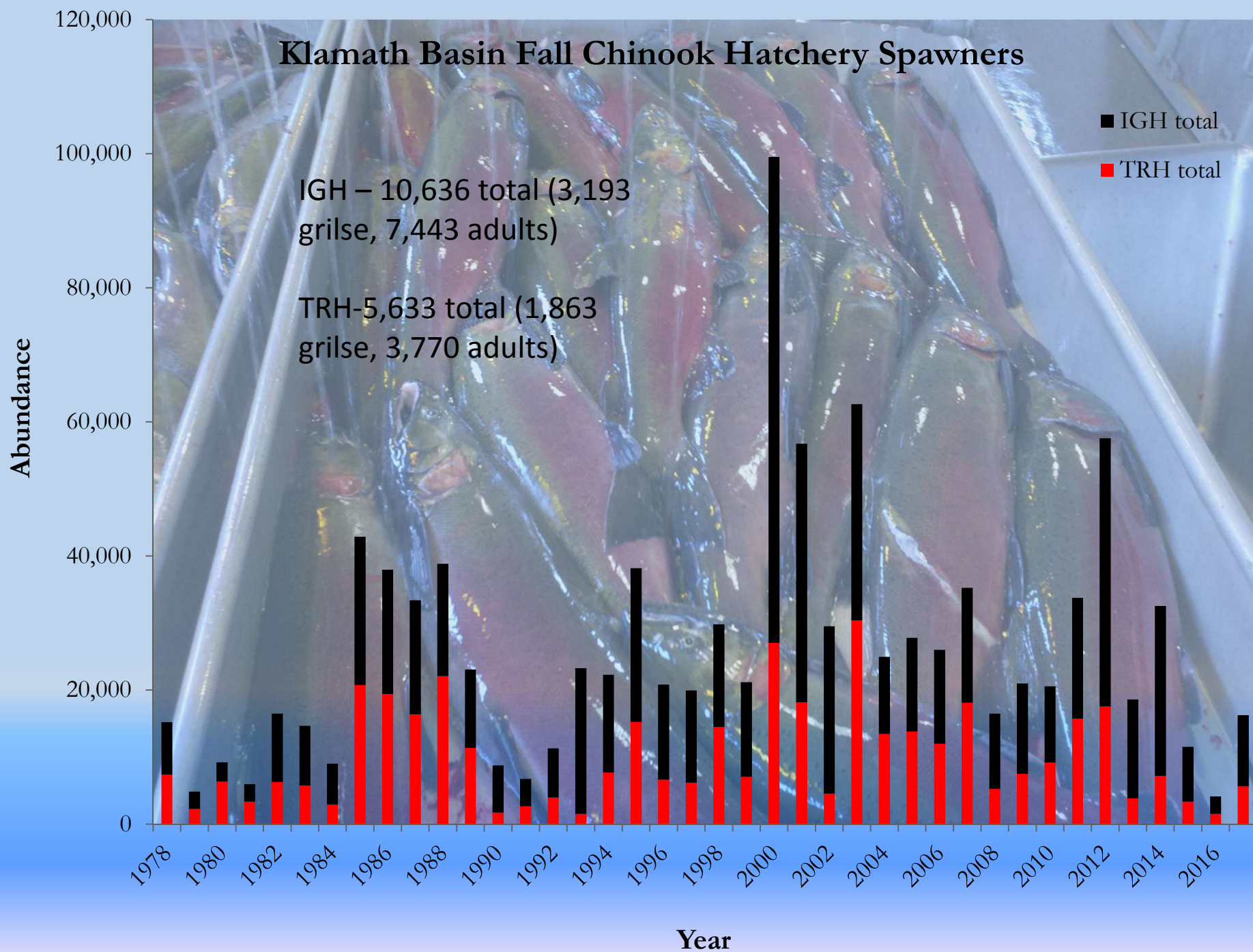


AND LANDOWNERS

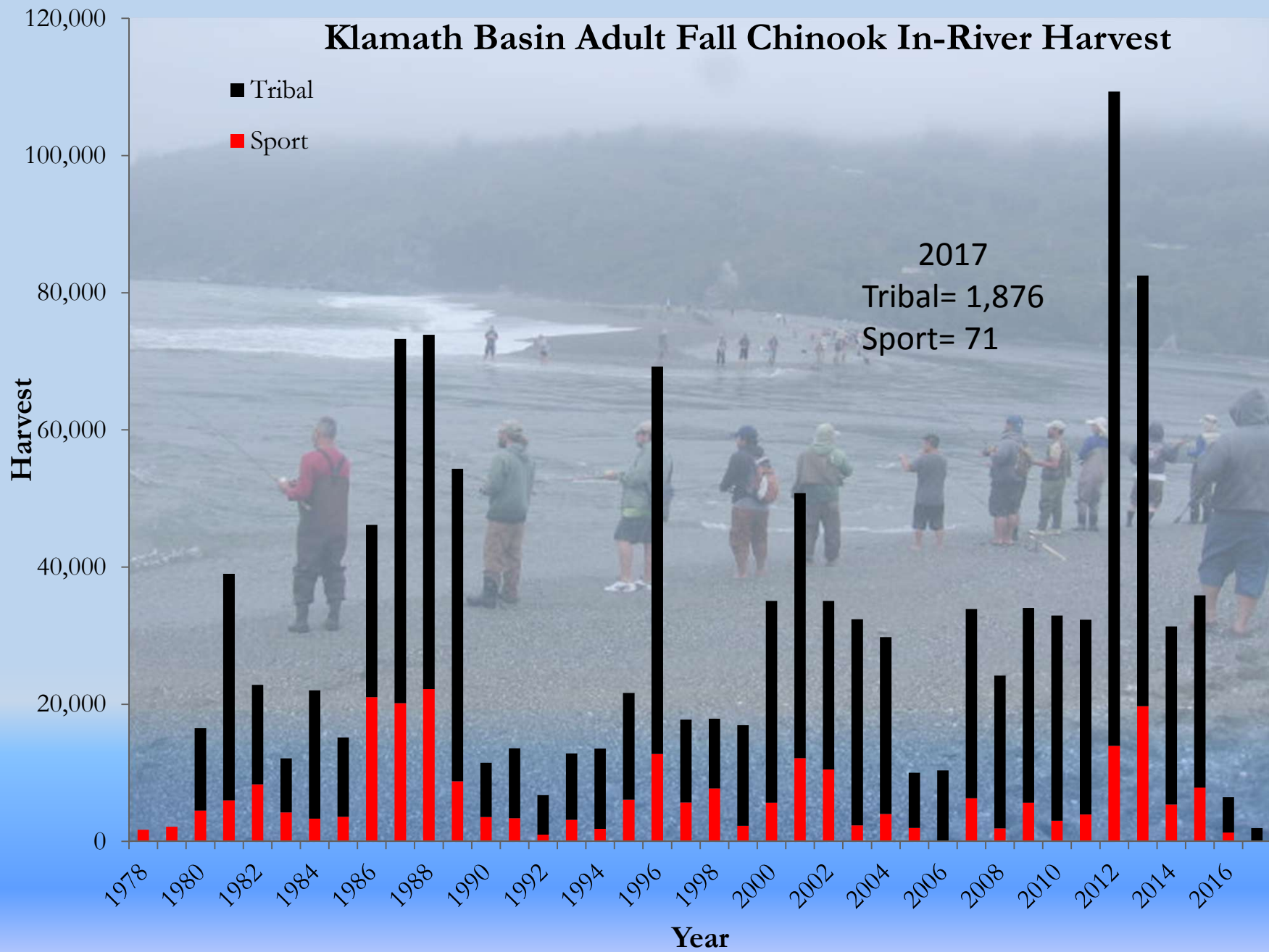
Klamath Basin Fall Chinook Run Size



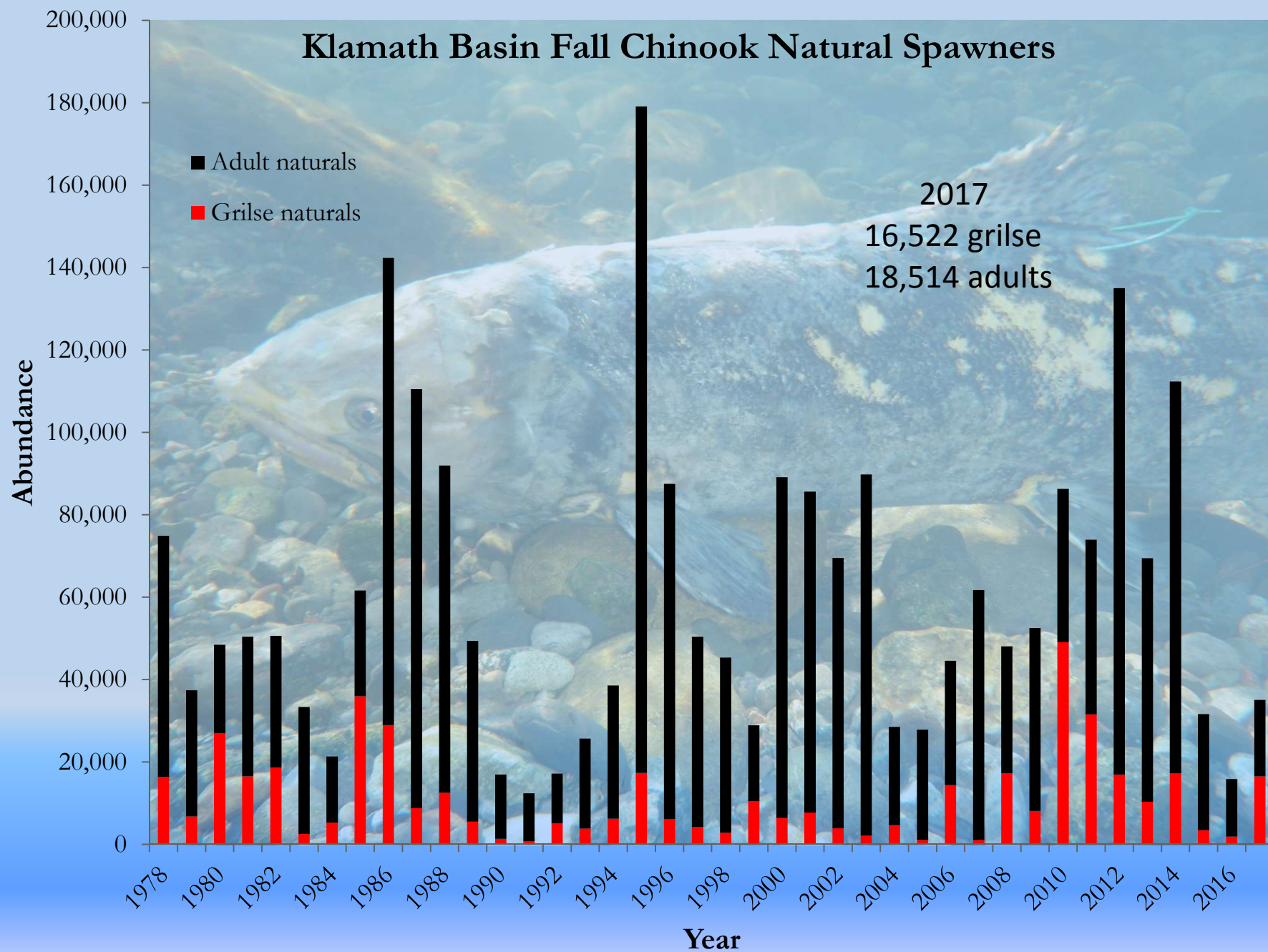
Klamath Basin Fall Chinook Hatchery Spawners



Klamath Basin Adult Fall Chinook In-River Harvest



Klamath Basin Fall Chinook Natural Spawners



Age Composition of the 2017 Klamath River fall Chinook Salmon run

Escapement & Harvest	AGE				Total Adults	Total Run
	2	3	4	5		
Hatchery Spawners						
Iron Gate Hatchery	3,193	5,800	1,620	23	7,443	10,636
Trinity River Hatchery	1,863	3,487	244	39	3,770	5,633
subtotal	5,056	9,287	1,864	62	11,213	16,269
					35.2%	30.3%
Natural Spawners						
Klamath Basin subtotal	10,621	8,661	4,015	1,156	13,832	24,453
Trinity Basin subtotal	5,901	3,848	655	179	4,682	10,583
subtotal	16,522	12,509	4,670	1,335	18,514	35,036
					58.1%	65.2%
Recreational Harvest						
Klamath River harvest	36	22	37	5	64	110
Trinity River harvest	6	1	6	0	7	13
subtotal	42	23	43	5	71	113
					0.2%	0.2%
Tribal Harvest						
Klamath River harvest	72	156	58	2	216	288
Trinity River harvest	194	1,103	445	112	1,660	1,854
subtotal	266	1,259	503	114	1,876	2,142
					5.9%	4.0%
Dropoff Mortality	17	109	45	10	164	181
					0.5%	0.3%
Total River Run	21,903	23,187	7,125	1,526	31,838	53,741
	40.8%	43.1%	13.3%	2.8%		

Source: 2018 KRTT

2017 Preliminary results/findings

The 2017 Klamath Basin fall Chinook run estimate is the 5th lowest in the 39 year record, and 43% of the 39-year average.

The adult Chinook returns to the basin were 173% percent of the projected forecast (18,410 pre vs. 31,838 post).

The adult fall Chinook natural escapement conservation threshold of 40,700 was not managed for or met this season. The geometric mean of natural escapement for the past three years is 19,358, below the minimum stock size threshold (MSST) of 30,525. The stock is considered to be in an “overfished state”.

The number of 2 year-old grilse (21,903) is the above the long term average, and is a precursor for age three abundance. Stock rebound?

Questions?

