

California Department of Fish and Wildlife

Klamath-Trinity Project

Klamath Basin Chinook Salmon Spawning Escapement, Harvest and Age Composition, 2018 Season



Salmon Information Public Meeting

Santa Rosa, CA. February 27, 2019

Wade Sinnen- Senior Environmental Scientist



Klamath River Basin

● Crescent City

Pacific Ocean

● Eureka

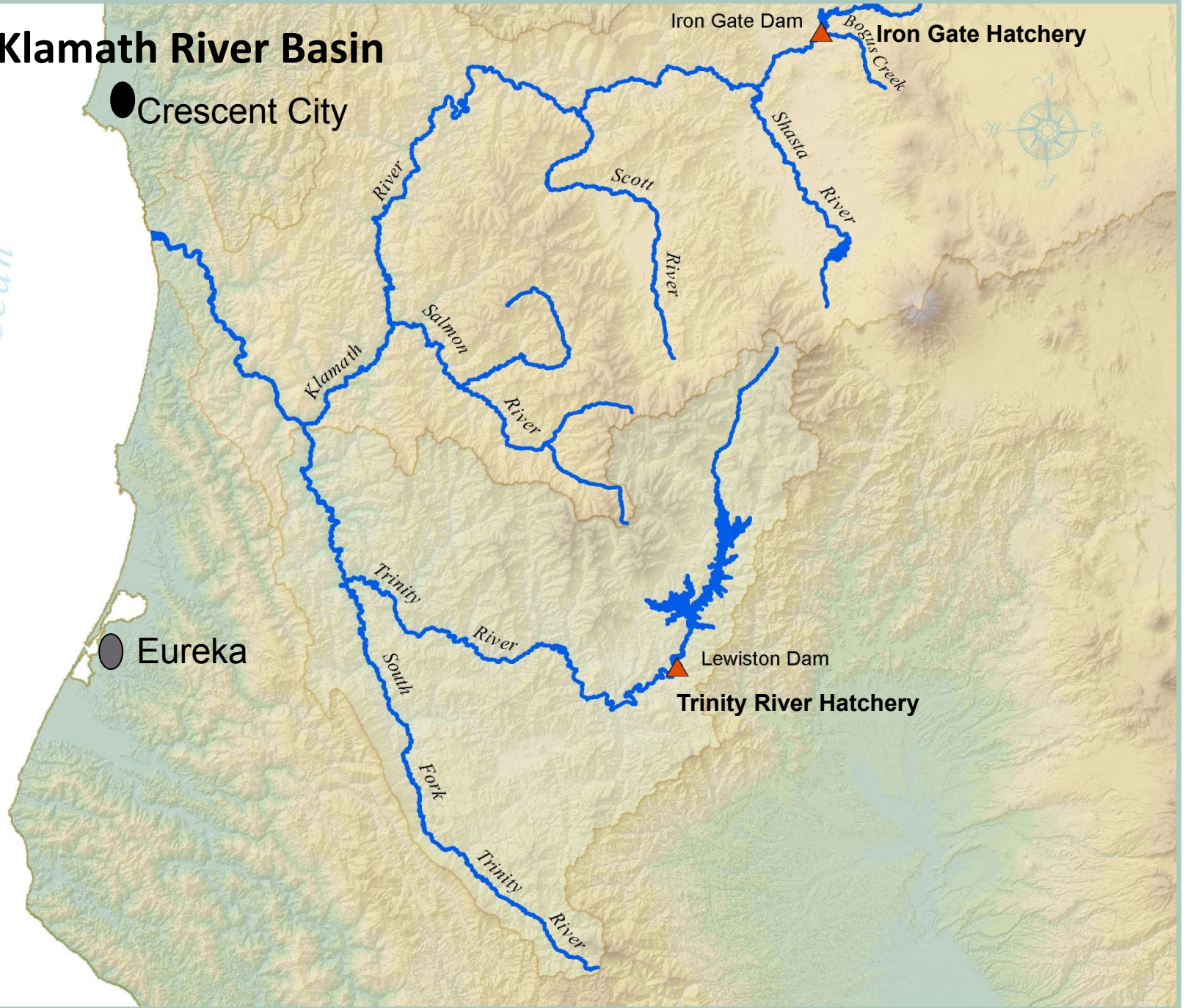
Iron Gate Dam

Iron Gate Hatchery



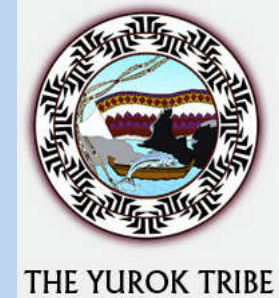
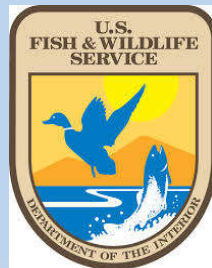
Lewiston Dam

Trinity River Hatchery



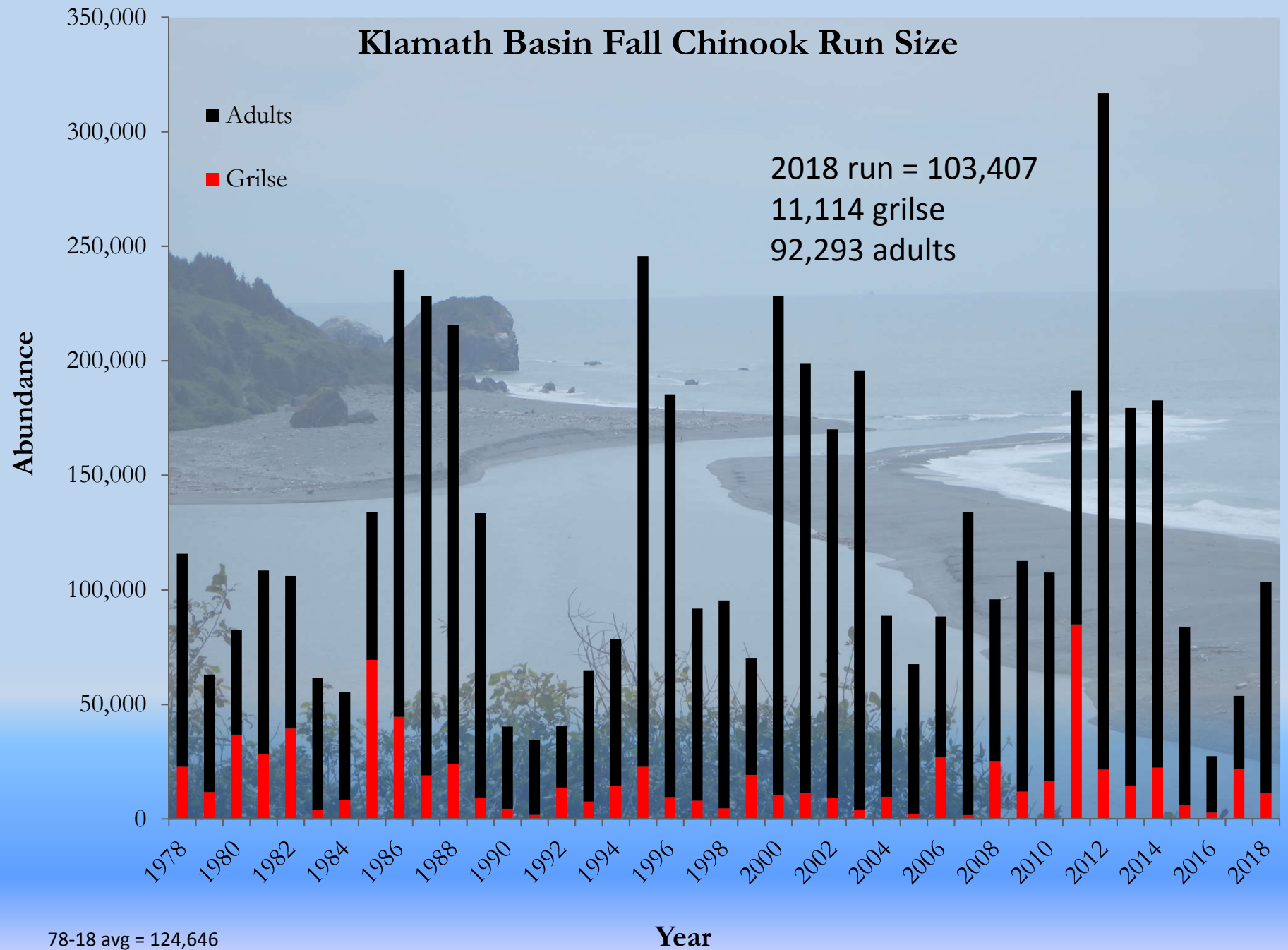
SISKIYOU COUNTY

Office of Education

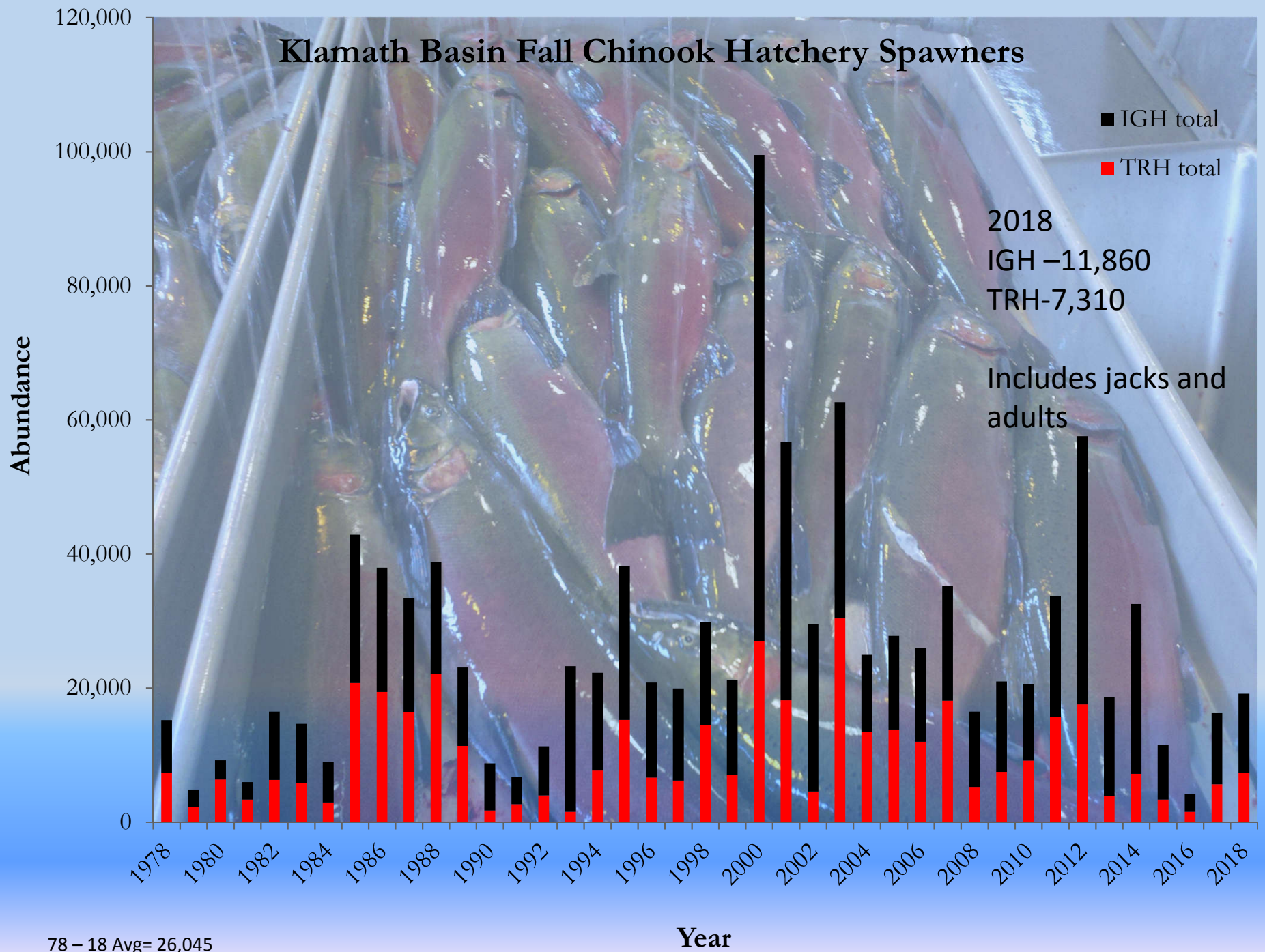


AND LANDOWNERS

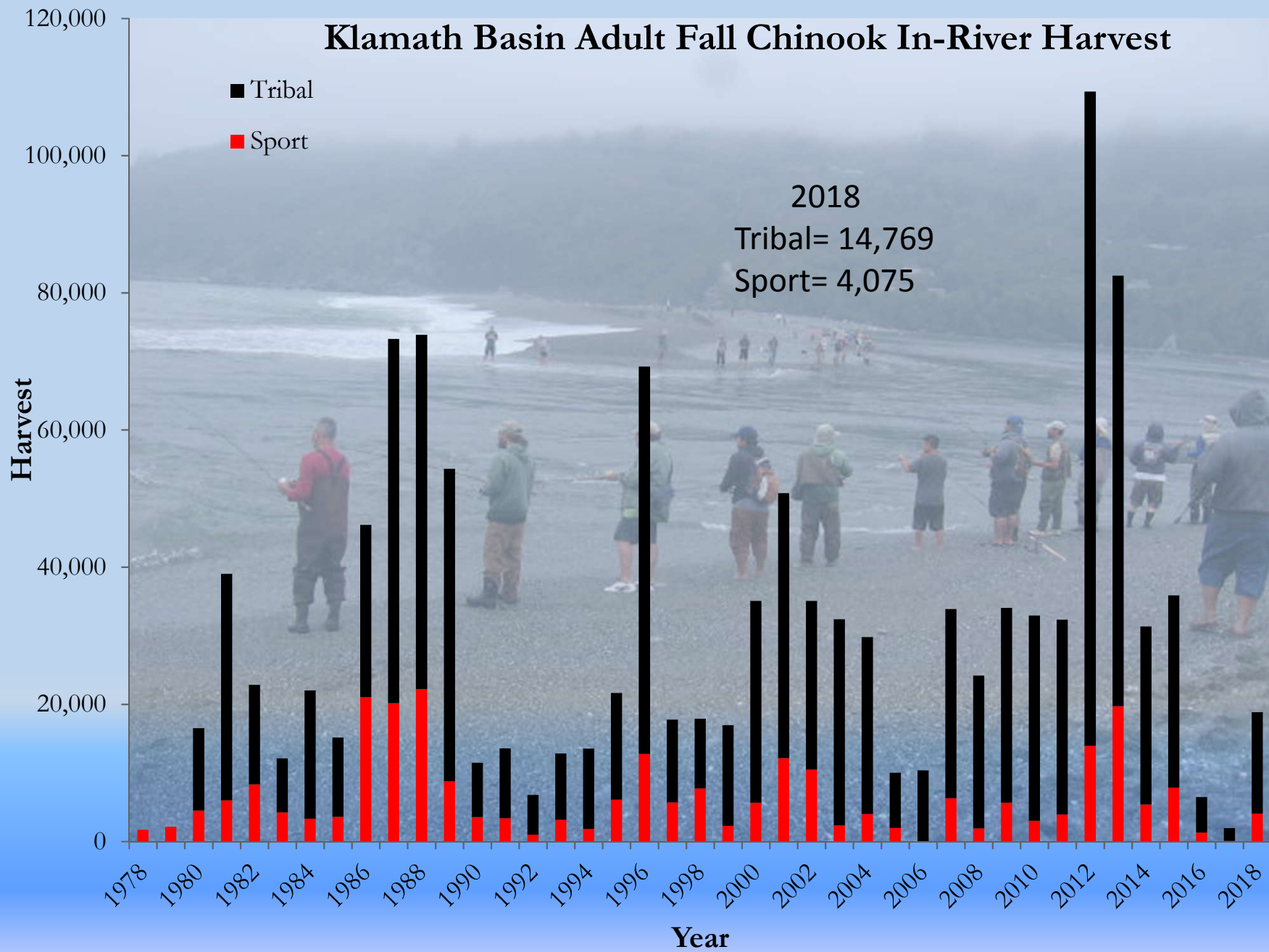
Klamath Basin Fall Chinook Run Size



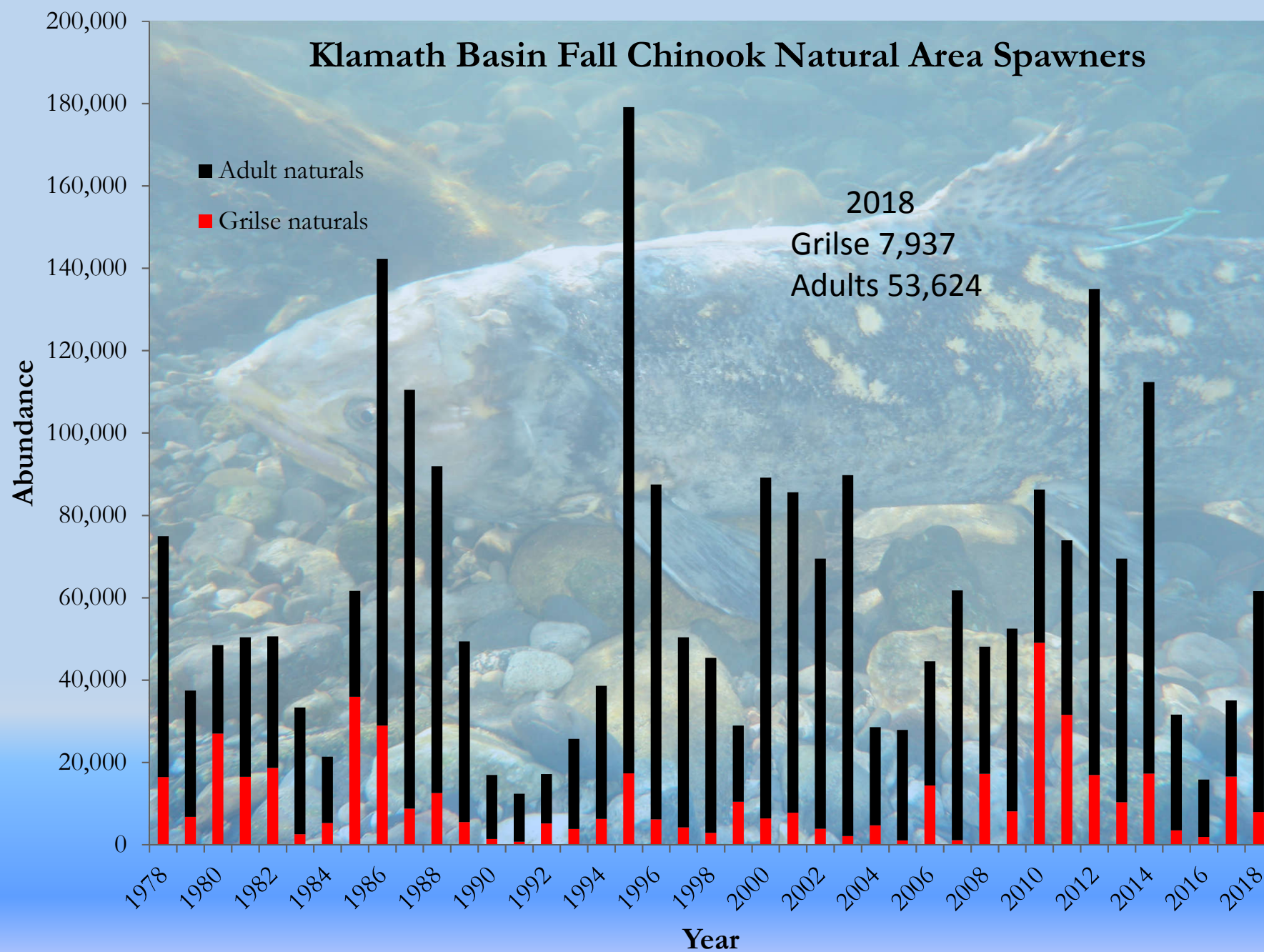
Klamath Basin Fall Chinook Hatchery Spawners



Klamath Basin Adult Fall Chinook In-River Harvest



Klamath Basin Fall Chinook Natural Area Spawners



MSY conservation objective is 40,700 adults

Age Composition of the 2018 Klamath River fall Chinook Salmon run

Escapement & Harvest	AGE				Total Adults	Total Run
	2	3	4	5		
Hatchery Spawners						
Iron Gate Hatchery	435	10,666	759	0	11,425	11,860
Trinity River Hatchery	171	7,054	85	0	7,139	7,310
subtotal	606	17,720	844	0	18,564	19,170
					20.0%	18.5%
Natural Spawners						
Klamath Basin subtotal	3,490	35,083	2,411	9	37,503	40,993
Trinity Basin subtotal	4,447	15,962	159	0	16,121	20,568
subtotal	7,937	51,045	2,570	9	53,624	61,561
					58.1%	59.5%
Recreational Harvest						
Klamath River harvest	1,978	2,886	179	0	3,065	5,043
Trinity River harvest	228	1,010	0	0	1,010	1,228
subtotal	42	23	43	5	4,075	6,281
					4.4%	6.1%
Tribal Harvest						
Klamath River harvest	128	10,721	1,723	0	12,444	12,572
Trinity River harvest	180	2,233	92	0	2,325	2,505
subtotal	308	12,954	1,815	0	14,769	15,077
					16.0%	14.6%
Dropoff Mortality	57	1,102	159	0	1,261	1,318
					1.4%	1.3%
Total River Run	11,114	86,717	5,567	9	92,293	103,407
	10.7%	83.9%	5.4%	0.0%		

Source: 2019 KRTT

2018 Preliminary results/findings

The 2018 Klamath Basin fall Chinook run estimate is 83% of the 40-year average.

The number of 2 year-old fish (11,114) is below the long term average

The adult Chinook returns to the basin were 100% percent of the projected forecast (91,900 pre vs. 92,300 post).

The adult fall Chinook natural escapement conservation threshold of 40,700 was managed for and surpassed this season. The geometric mean of adult natural escapement for the past three years is 24,594, below the minimum stock size threshold (MSST) of 30,525. The stock is still considered to be in an “overfished state”. A 2019 natural area escapement of @63,000 adults is necessary to “rebuild” the stock (achieve 3 year geometric mean of 40,700).

Questions?

