

California Department of Fish and Wildlife

Klamath-Trinity Project

Klamath Basin Chinook Salmon Spawning Escapement, Harvest and Age Composition, 2019 Season



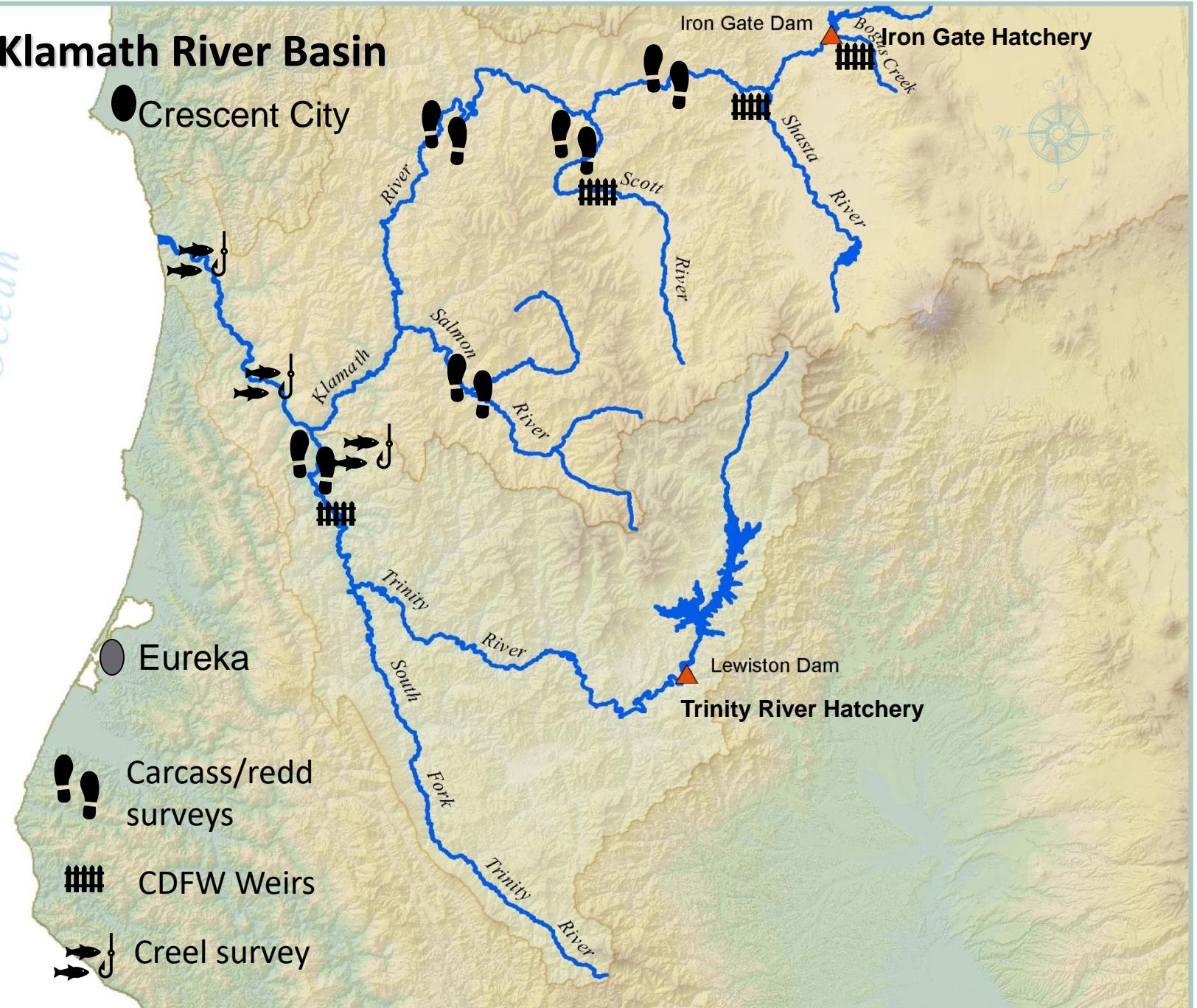
Salmon Information Public Meeting
Santa Rosa, CA. February 27, 2020

Wade Sinnen- Senior Environmental Scientist



Klamath River Basin

Pacific Ocean



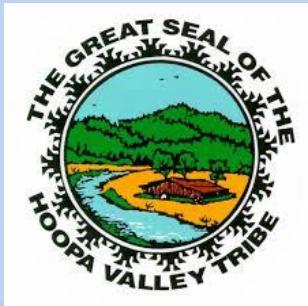
● Carcass/redd surveys

■ CDFW Weirs

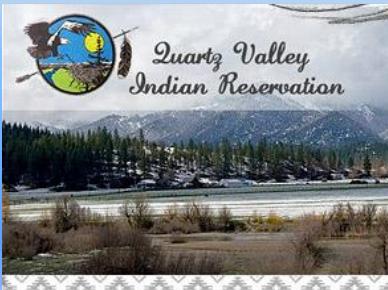
→ Creel survey

SISKIYOU COUNTY

Office of Education

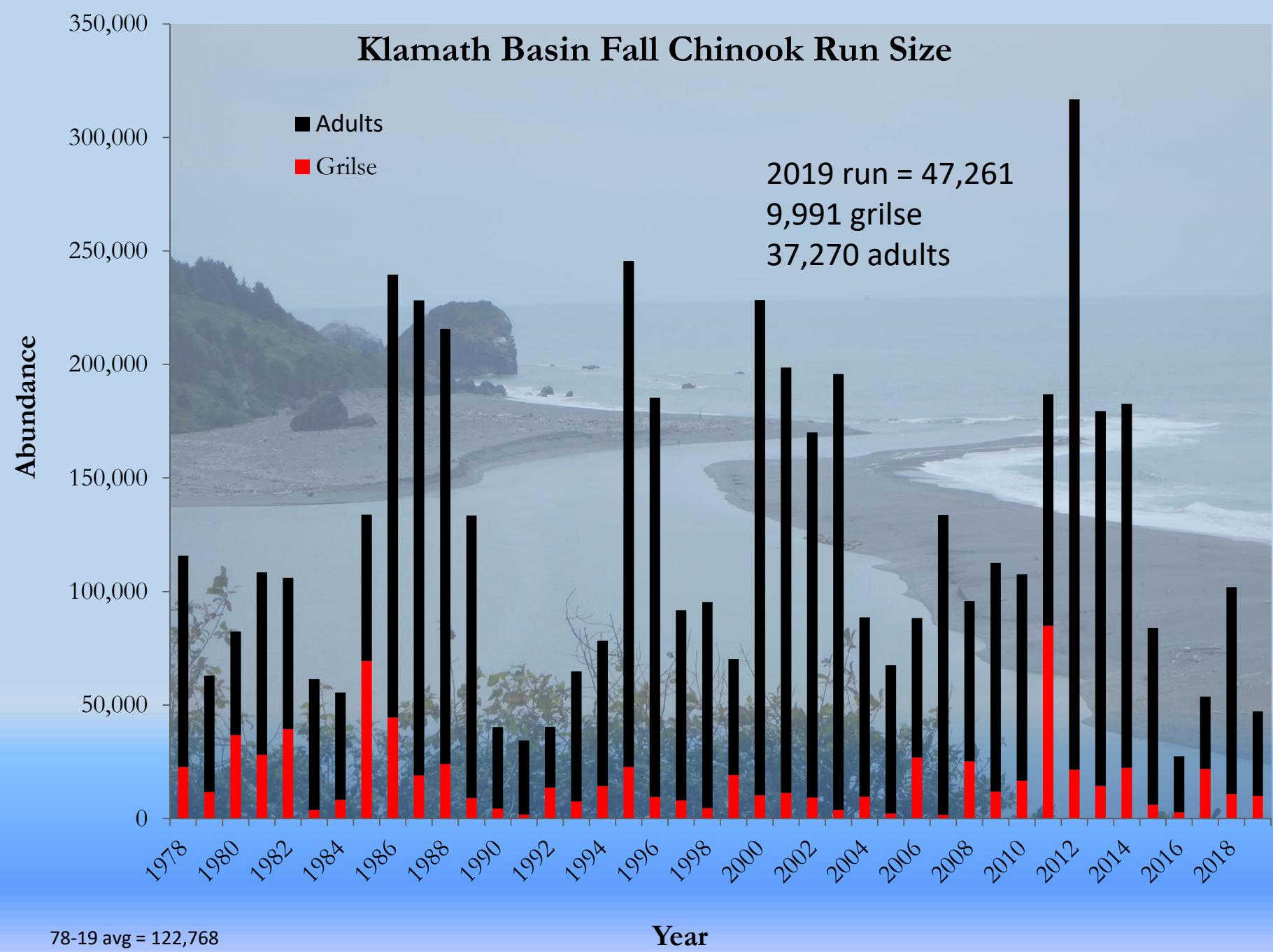


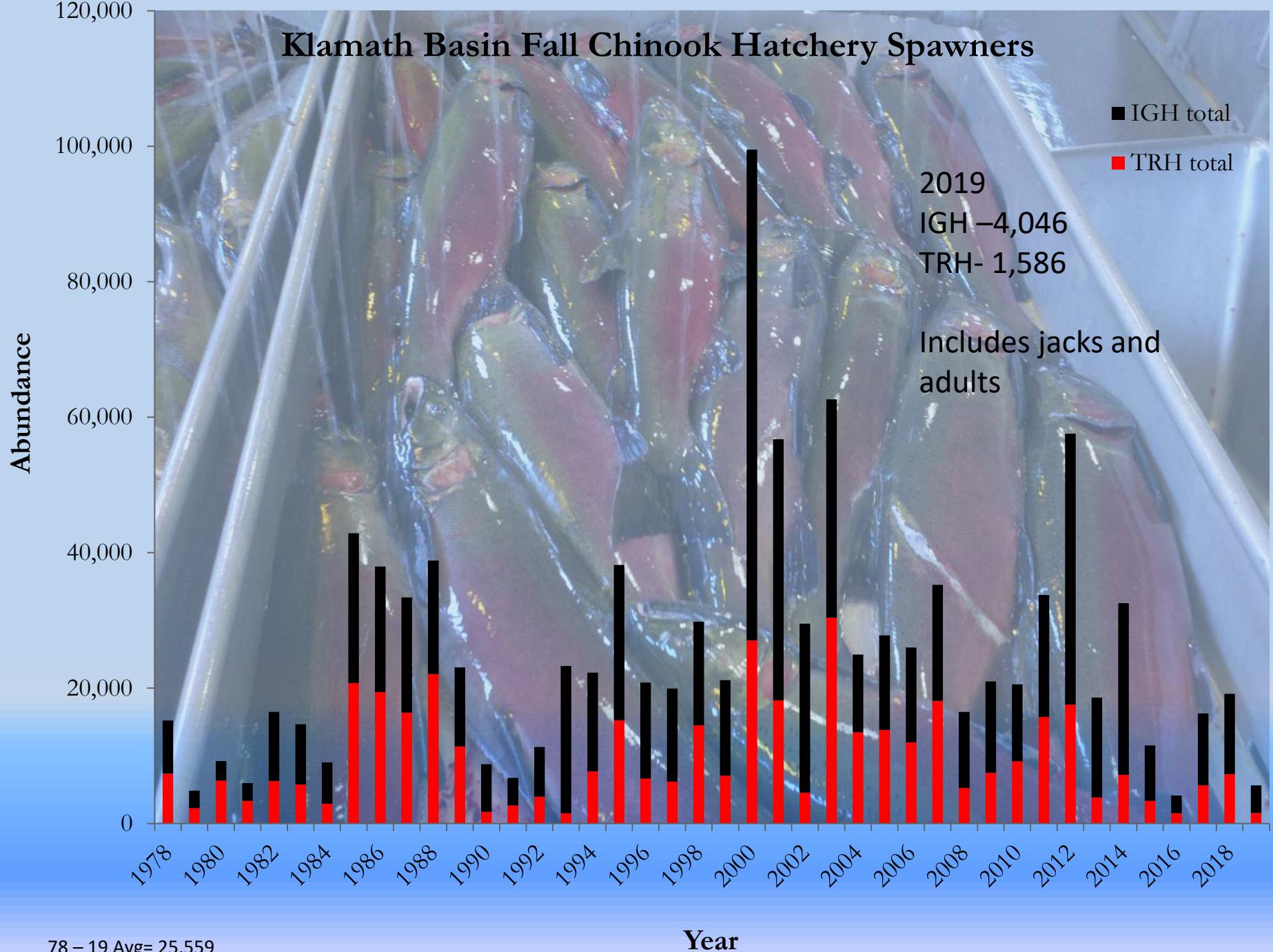
THE YUROK TRIBE



AND LANDOWNERS

Klamath Basin Fall Chinook Run Size





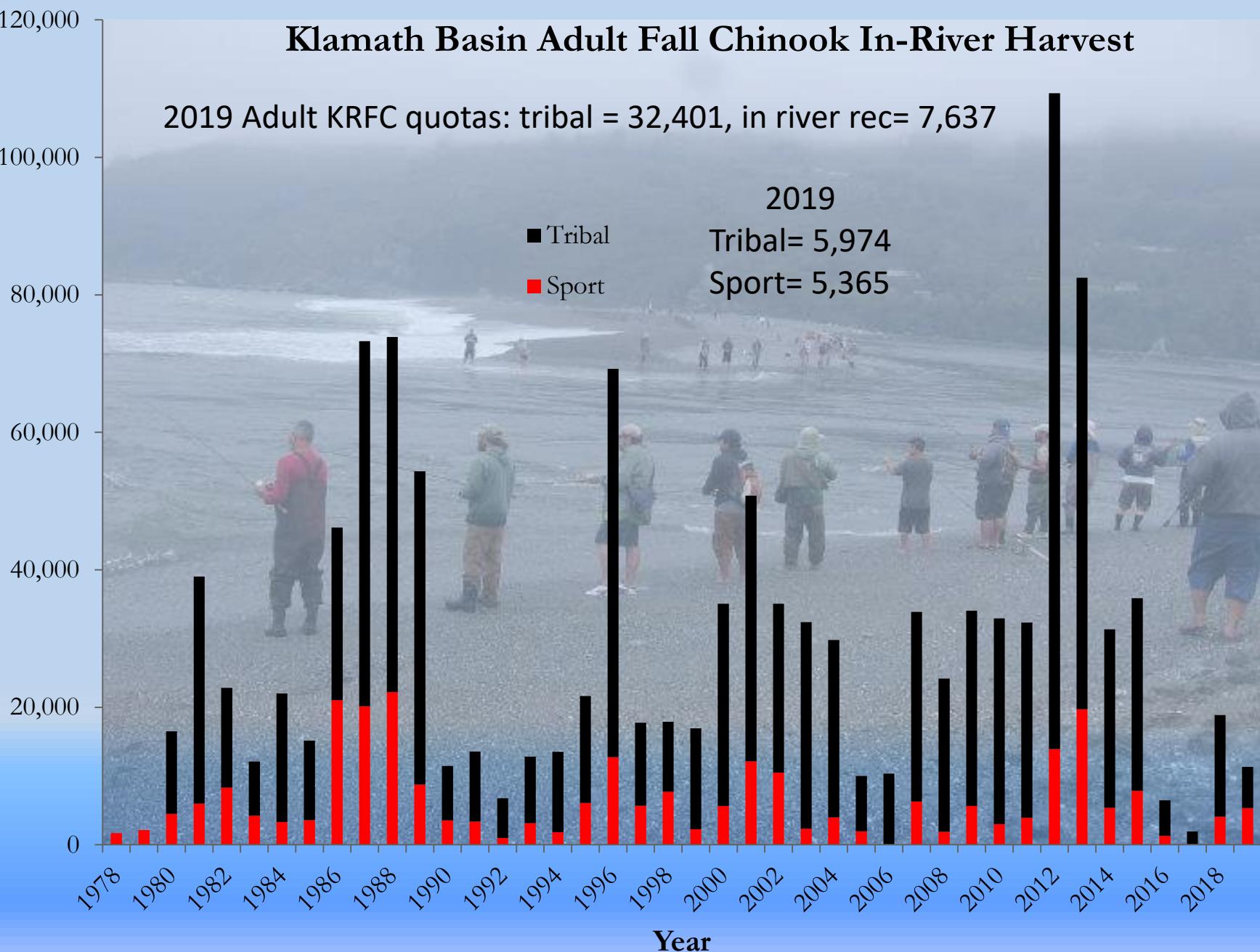
Klamath Basin Adult Fall Chinook In-River Harvest

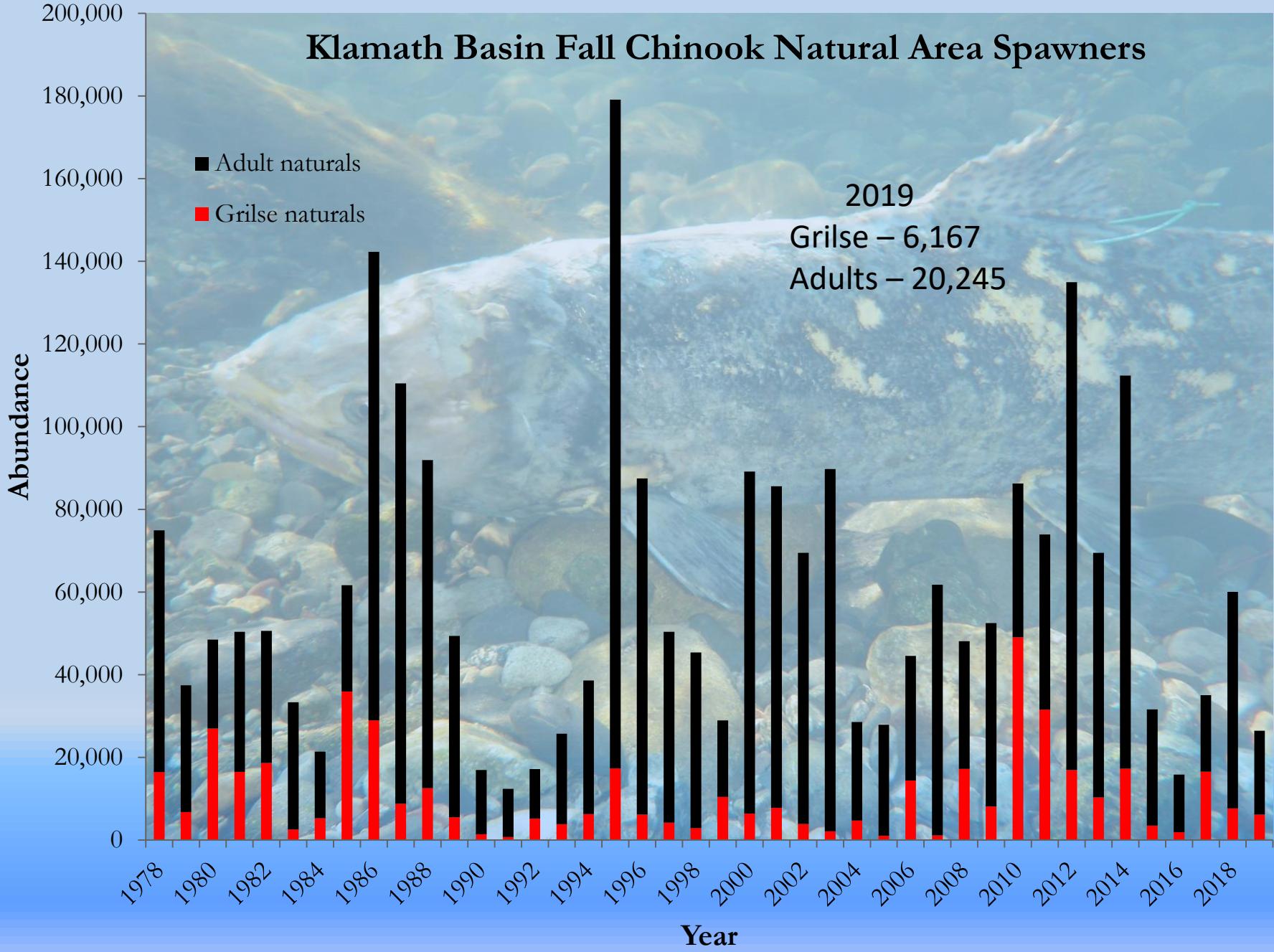
2019 Adult KRFC quotas: tribal = 32,401, in river rec= 7,637

■ Tribal
■ Sport

2019
Tribal= 5,974
Sport= 5,365

Harvest





Age Composition of the 2019 Klamath Basin fall Chinook Salmon run

Escapement & Harvest	AGE				Total Adults	Total Run
	2	3	4	5		
Hatchery Spawners						
Iron Gate Hatchery	249	2,825	972	0	3,797	4,046
Trinity River Hatchery	205	1,182	199	0	1,381	1,586
subtotal	454	4,007	1,171	0	5,178	5,632
Natural Spawners						
Klamath Basin subtotal	2,314	11,603	1,901	30	13,534	15,848
Trinity Basin subtotal	3,853	5,673	1,020	18	6,711	10,564
subtotal	6,167	17,276	2,921	48	20,245	26,412
Recreational Harvest						
Klamath River harvest	2,576	4,286	737	5	5,028	7,604
Trinity River harvest	132	333	4	0	337	469
subtotal	2,708	4,619	741	5	5,365	8,073
Tribal Harvest						
Klamath River harvest	92	2,333	1,536	40	3,909	4,001
Trinity River harvest	499	1,727	336	2	2,065	2,564
subtotal	591	4,060	1,872	42	5,974	6,565
Dropoff Mortality						
	71	342	162	4	508	579
Total River Run	9,991	30,304	6,867	99	37,270	47,261

2019 Preliminary results/findings

The 2019 Klamath Basin fall Chinook run estimate is 38% of the 41-year average.

The number of 2 year-old fish (9,991) is 56% of the long term average

The adult Chinook returns to the basin were 38% percent of the projected forecast (97,912 pre vs. 37,270 post).

The adult fall Chinook natural escapement conservation threshold of 40,700 was managed for and not met this season. The geometric mean of adult natural escapement for the past three years is 27,631, 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 @63,600 adults is necessary to “rebuild” the stock (achieve 3 year geometric mean of 40,700).

Questions?

