

# California Department of Fish and Wildlife

## Klamath-Trinity Project

### Klamath Basin Chinook Salmon Spawning Escapement, Harvest and Age Composition

Salmon Information Public Meeting

Santa Rosa, CA. March 1, 2017

Sara Borok





# Klamath River Basin

● Crescent City

● Eureka

Iron Gate Dam

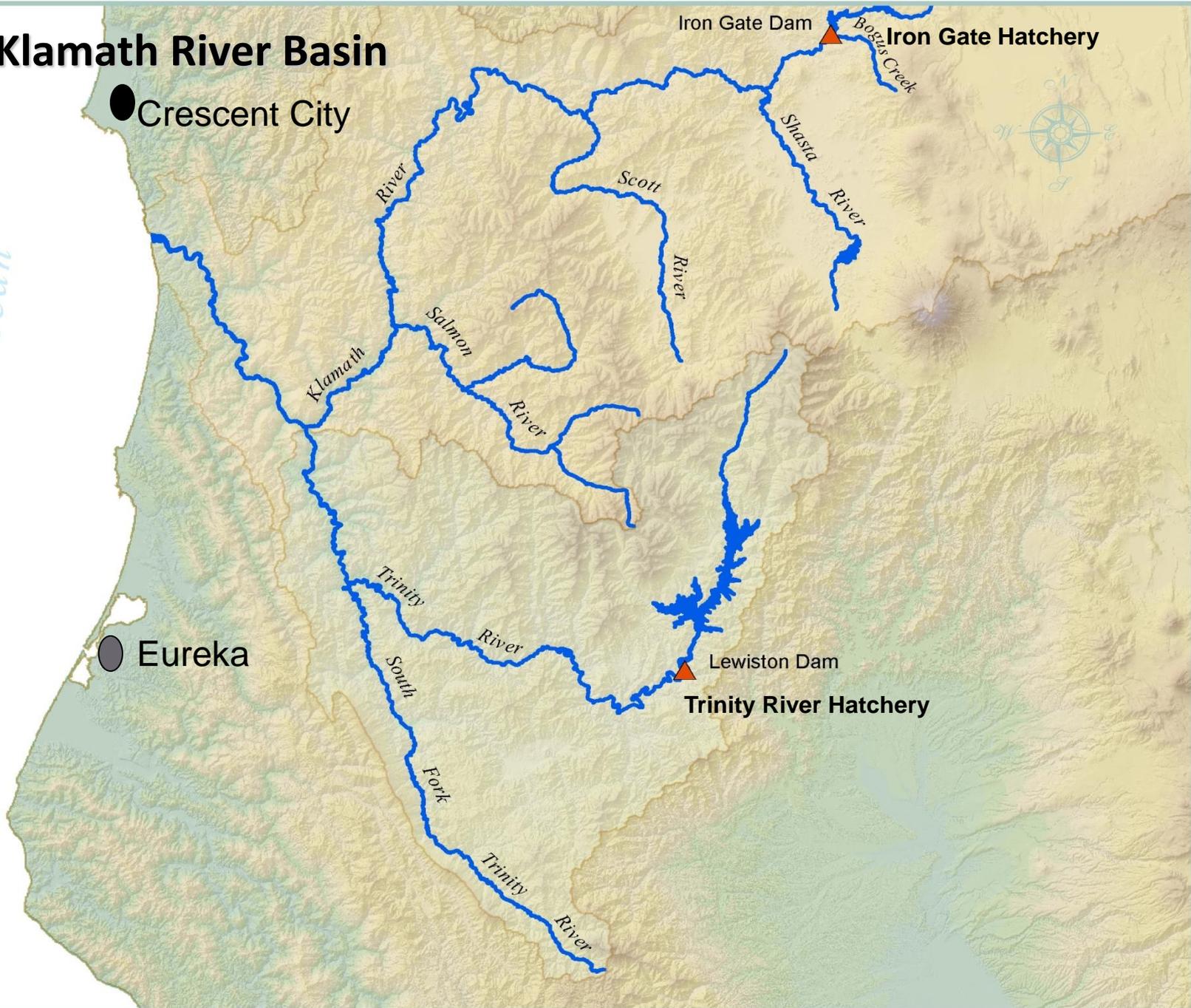
Iron Gate Hatchery

Lewiston Dam

Trinity River Hatchery

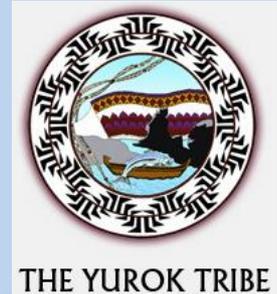
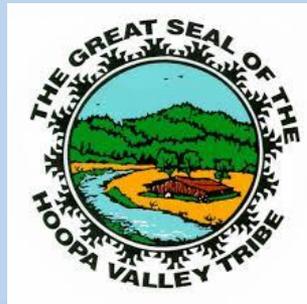


*Pacific Ocean*



# SISKIYOU COUNTY

Office of Education

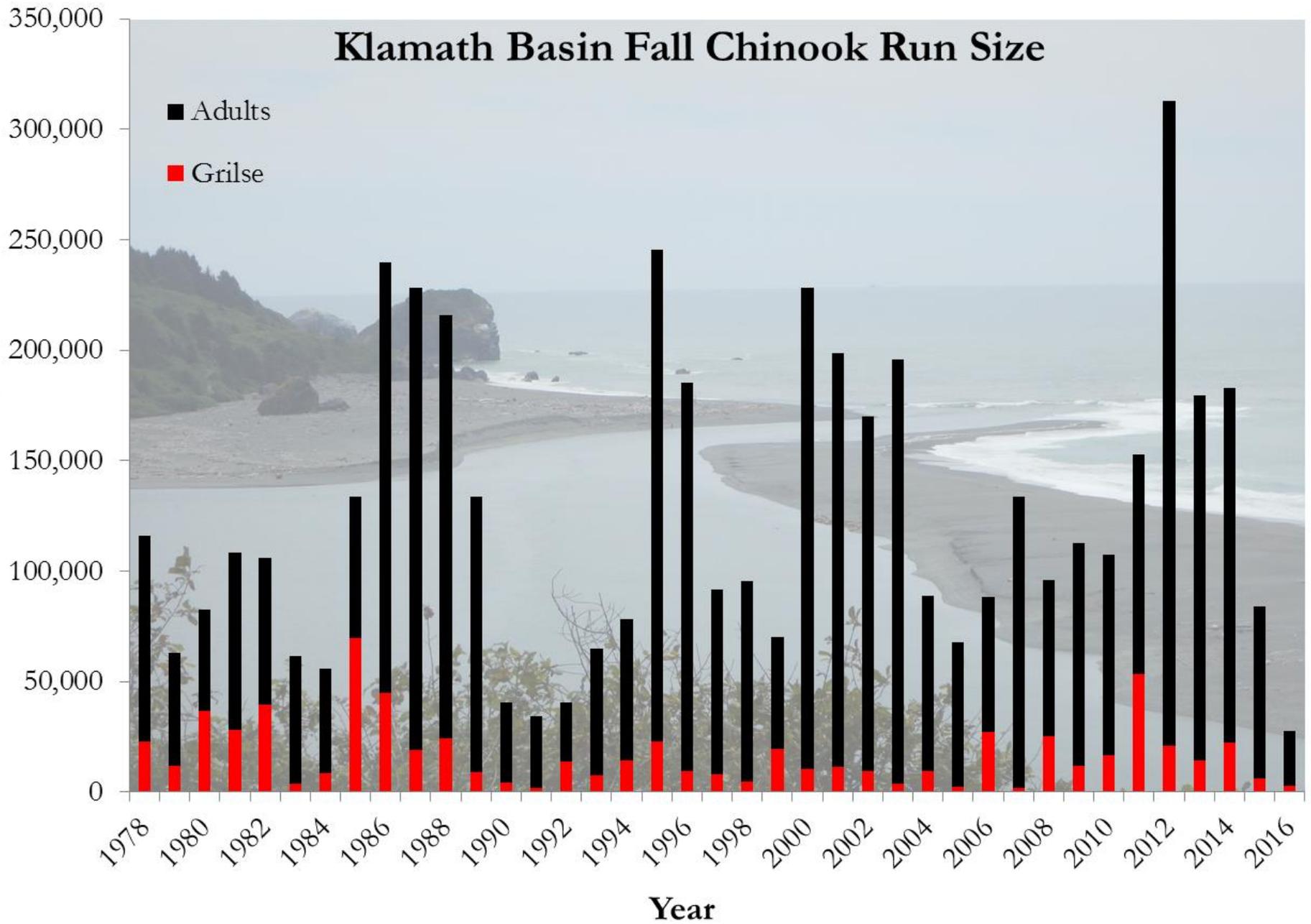


## AND LANDOWNERS

# Klamath Basin Fall Chinook Run Size

Abundance

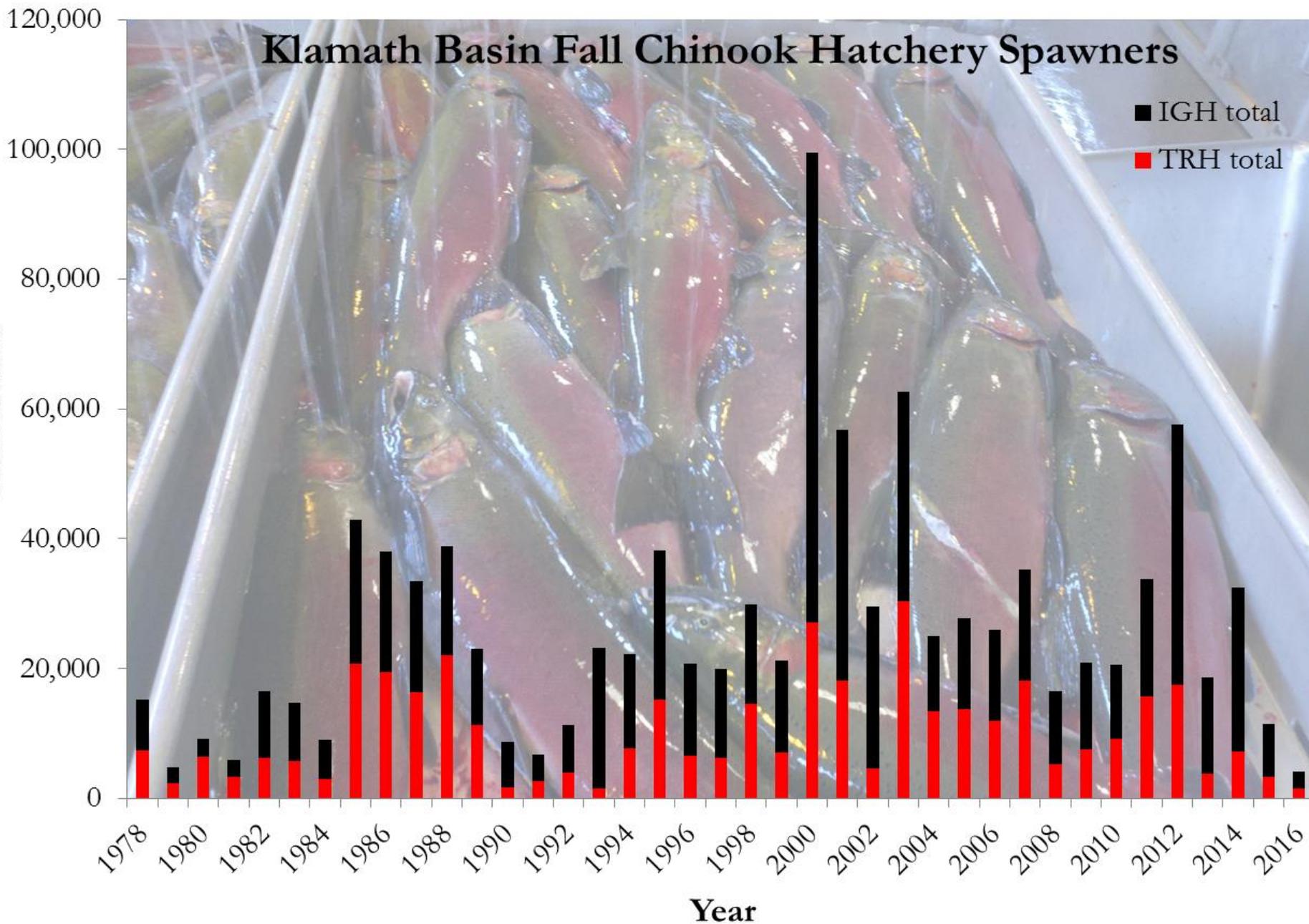
- Adults
- Grilse



# Klamath Basin Fall Chinook Hatchery Spawners

Abundance

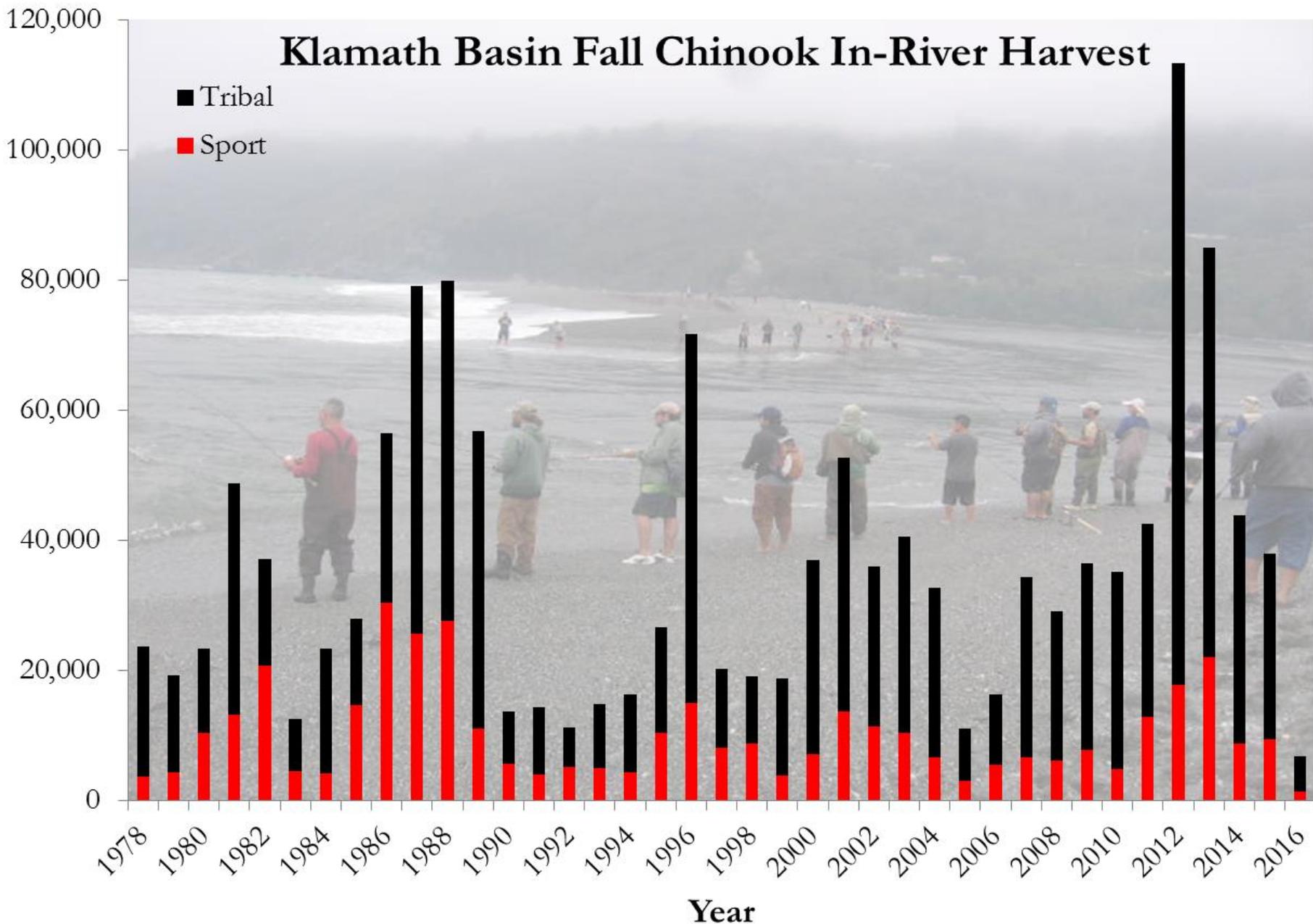
■ IGH total  
■ TRH total



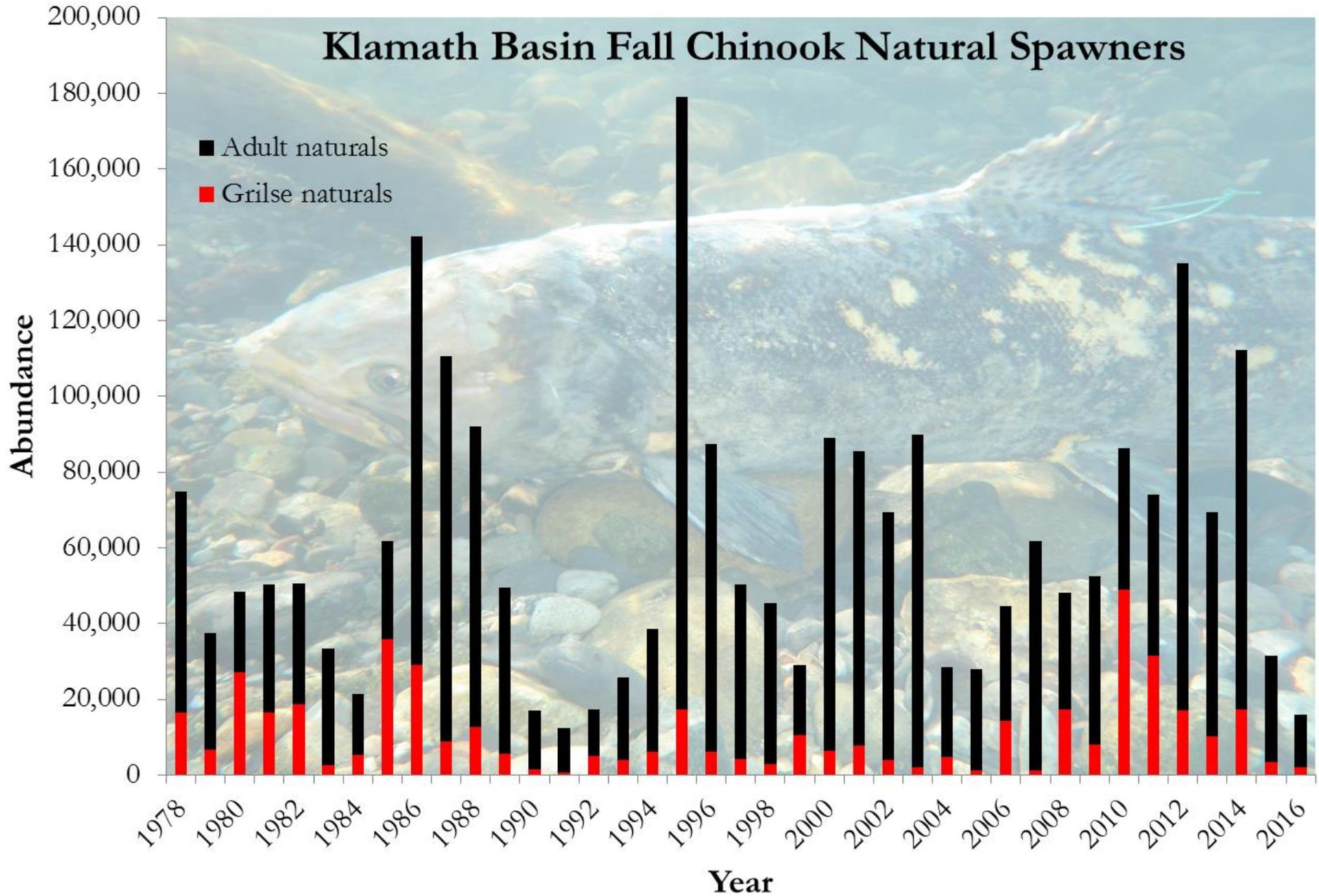
# Klamath Basin Fall Chinook In-River Harvest

- Tribal
- Sport

Abundance



# Klamath Basin Fall Chinook Natural Spawners



# Age Composition of the 2016 Klamath River fall Chinook Salmon run

Escapement & Harvest	AGE				Total Adults	Total Run
	2	3	4	5		
<b>Hatchery Spawners</b>						
Iron Gate Hatchery	151	1,683	715	38	2,436	2,587
Trinity River Hatchery	401	722	412	8	1,142	1,543
<b>subtotal</b>	<b>552</b>	<b>2,405</b>	<b>1,127</b>	<b>46</b>	<b>3,578</b>	<b>4,130</b>
					14.6%	15.1%
<b>Natural Spawners</b>						
Klamath Basin subtotal	554	2,702	7,596	65	10,363	10,917
Trinity Basin subtotal	1,340	2,056	1,424	81	3,561	4,901
<b>subtotal</b>	<b>1,894</b>	<b>4,758</b>	<b>9,020</b>	<b>146</b>	<b>13,924</b>	<b>15,818</b>
					56.7%	57.8%
<b>Recreational Harvest</b>						
Klamath River harvest	146	371	860	10	1241	1387
Trinity River harvest	15	59	10	0	69	84
<b>subtotal</b>	<b>161</b>	<b>430</b>	<b>870</b>	<b>10</b>	<b>1,310</b>	<b>1,471</b>
					5.3%	5.4%
<b>Tribal Harvest</b>						
Klamath River harvest	140	576	3588	245	4409	4549
Trinity River harvest	20	341	378	31	750	770
<b>subtotal</b>	<b>160</b>	<b>917</b>	<b>3,966</b>	<b>276</b>	<b>5,159</b>	<b>5,319</b>
					21.0%	19.4%
<b>Dropoff Mortality</b>	17	90	371	24	485	502
<b>Klamath River Ich disease testing</b>	2	15	89	7	111	113
					2.4%	2.2%
<b>Total River Run</b>	<b>2,786</b>	<b>8,615</b>	<b>15,443</b>	<b>509</b>	<b>24,567</b>	<b>27,353</b>
	10.2%	31.5%	56.5%	1.9%		

## 2016 Preliminary results/findings

The 2016 Klamath Basin fall Chinook run estimate is the lowest in the 38 year record, and 21% of the 38-year average.

The adult Chinook returns to the basin were 47 percent of the projected forecast (52,100 pre vs. 24,600 post).

The adult fall Chinook natural escapement conservation threshold of 30,909 was not met this season.

The number of jacks (2,786) is the 4<sup>th</sup> lowest in the 38 year record.

# Questions?

