

Spring Chinook Survey Trends - Klamath River, Misc. Tributaries

Downstream from IGD 1964-2019

John Hamilton



- Klamath Spring Run Chinook Salmon – a substantial and important run to the Tribes as well as commercial/recreational fisheries in the Klamath



Snorkel Survey Data (35 yrs) from Trinity collaborative and Mid-Klamath collaborative

- Mid-Klamath collaborative: USDA Six Rivers National Forest, AmeriCorps, Klamath National Forest, Karuk Tribe, CDF&W, Mid-Klamath Watershed Council and Salmon River Restoration Council
- Trinity collaborative: CDF&W- Weaverville, Shasta-Trinity National Forest, Hayfork Watershed Research and Training Center, Hoopa and Yurok Tribes and other partners



Survey Data – Extensive and Important Information Regarding Trends

- Some Minor Limitations

- Visibility

- Flows

- Access problems

- Miles surveyed sometimes varied year to year

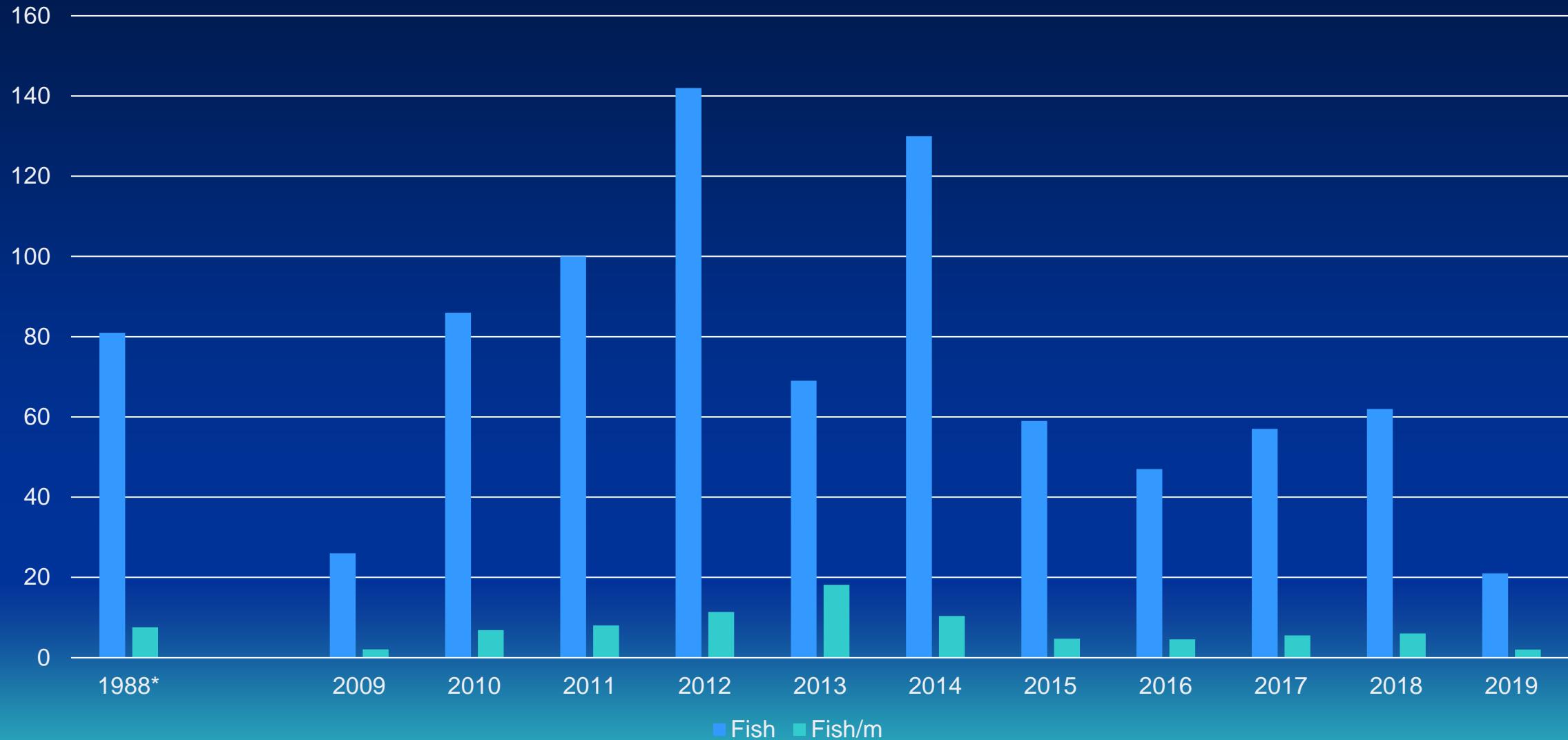
Reports – Also Important and Provided ‘baseline’ for 2 Tribs



- Caveats:
- Did not examine surveys for the mainstem Trinity because of overwhelming hatchery influence
- 1980, 1984, and 1988 often had common survey data
- Last decade of survey data analyzed where available



Fish vs. Fish/mile



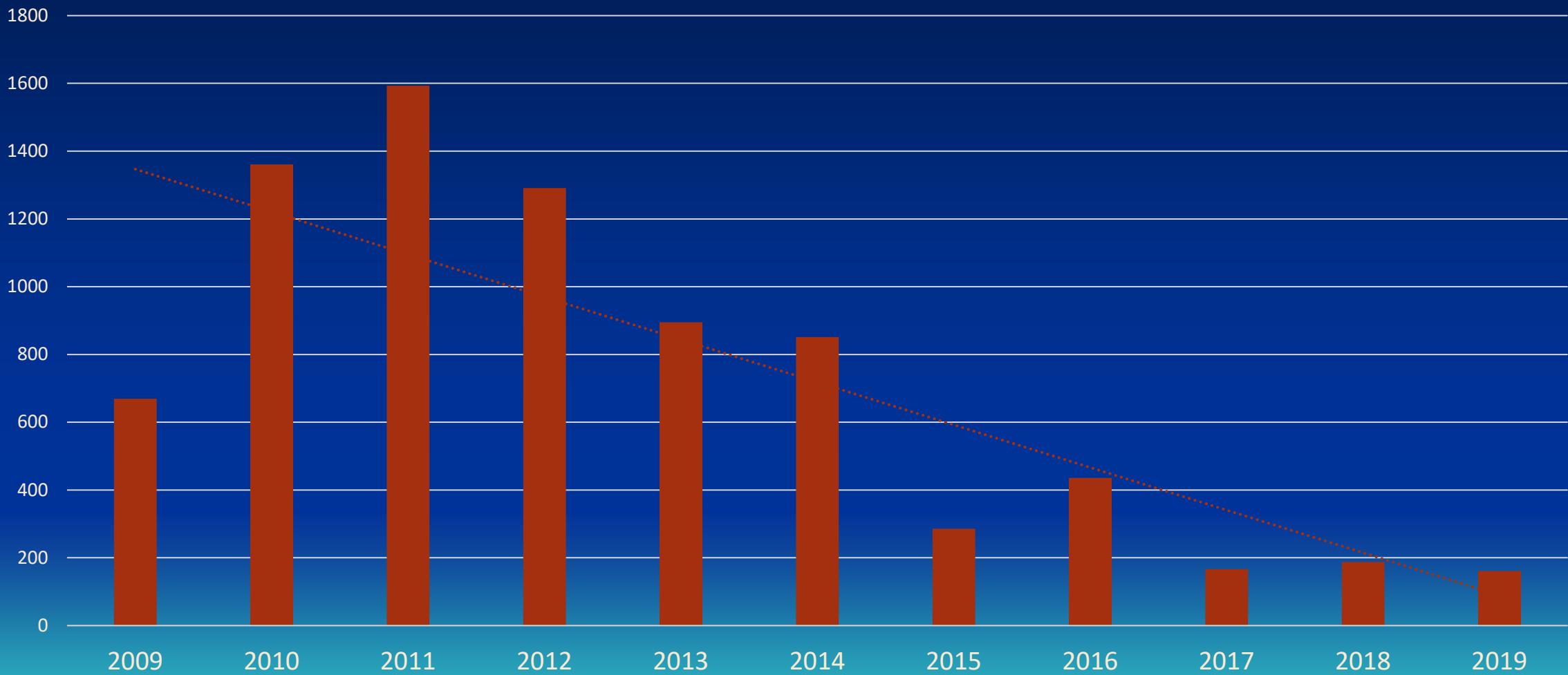
Klamath Side Tributaries



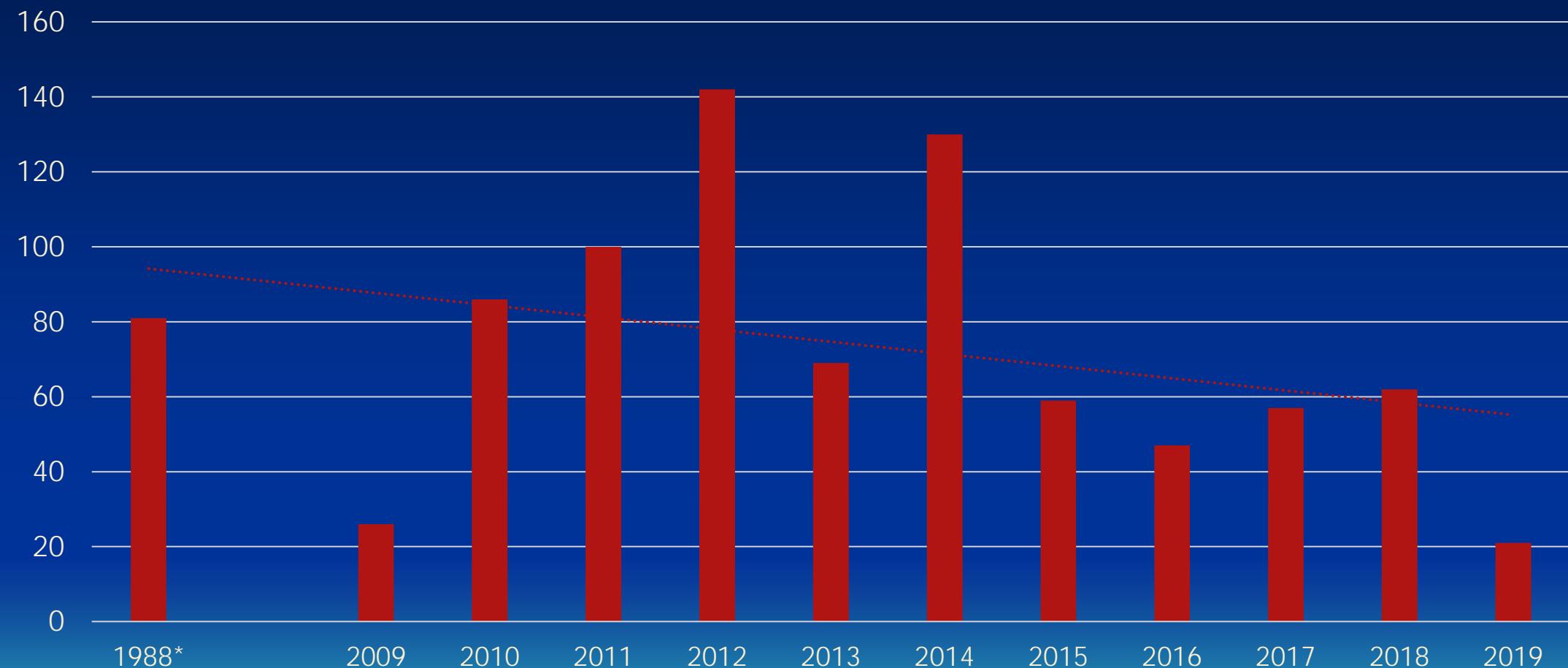
SRRC photo 1950-1960,
Salmon River)



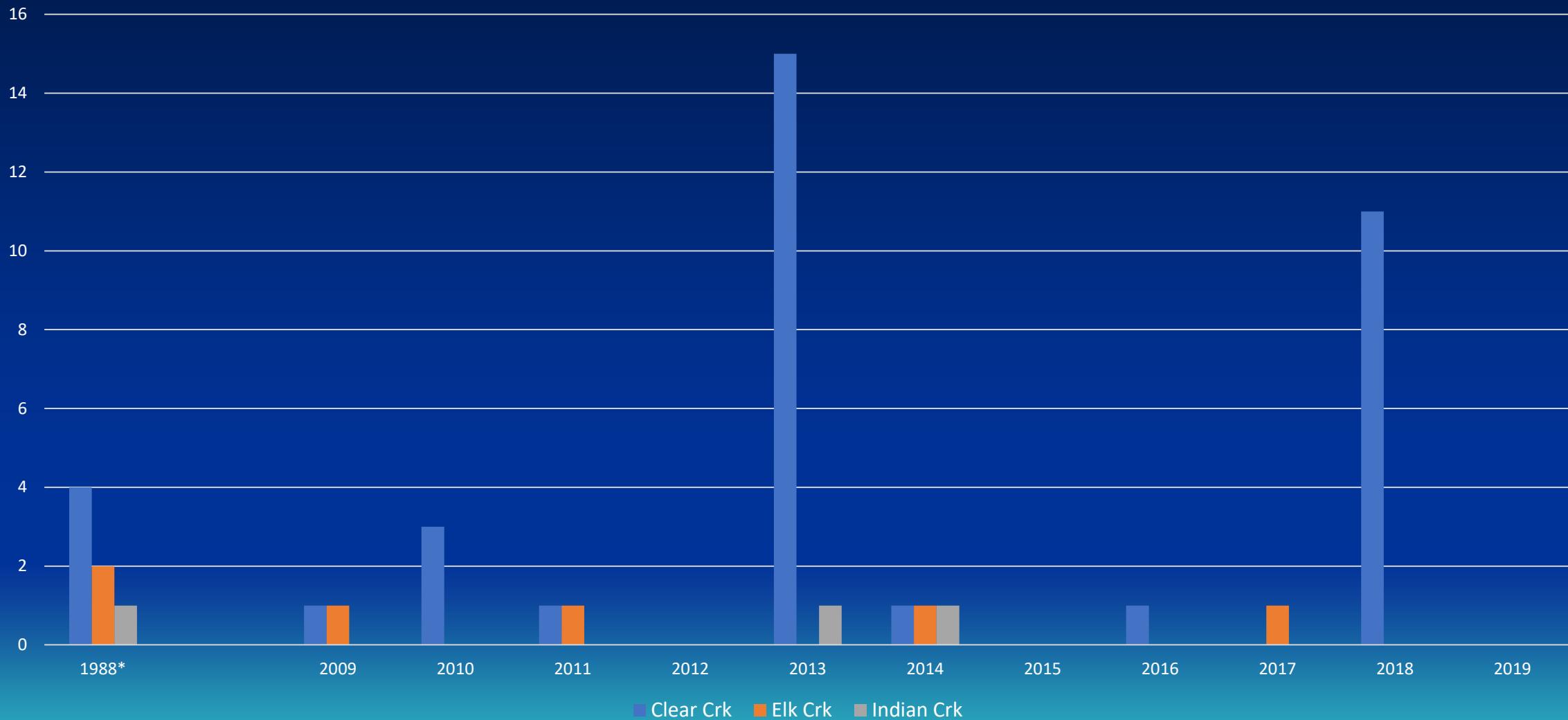
Salmon River Dive Surveys 2009-2019 (Wooley Cr Included)



Wooley Creek Only 1988-2019



Clear, Elk, and Indian Creeks 1988-2019



- Clear, Elk, and Indian Creeks:
No Spring Chinook Observed
in 2012, 2015, and 2019



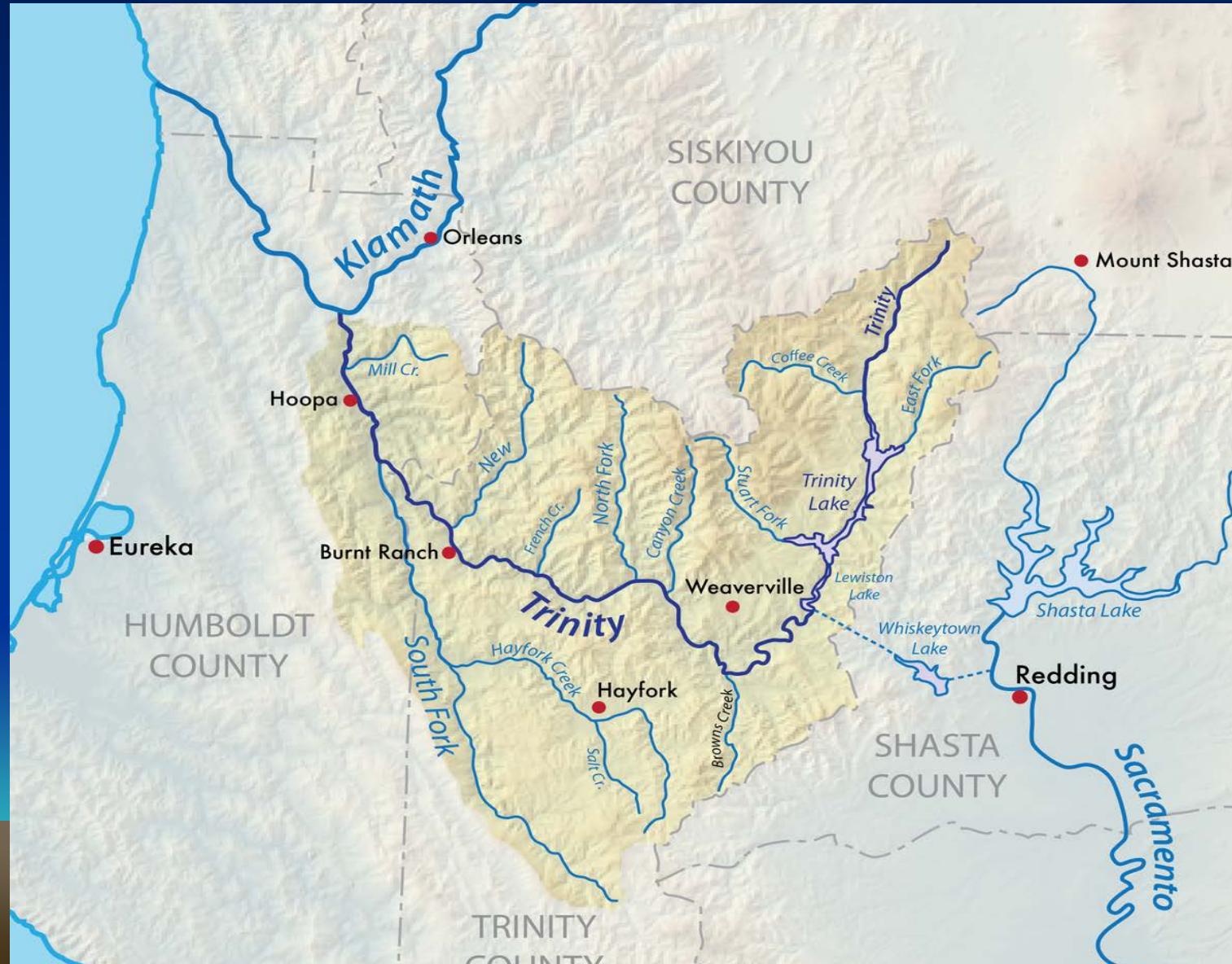
Trinity Side Tributaries



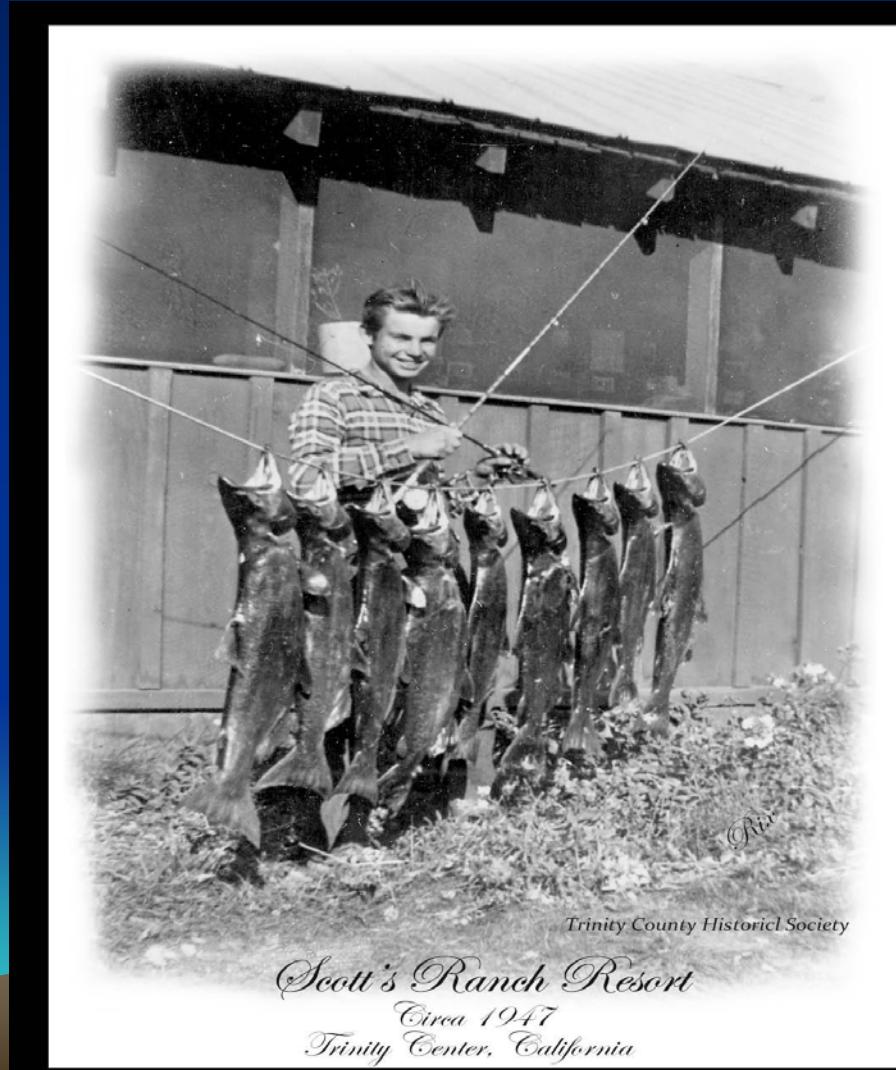
Trinity County Historical Society

Hupa Fishing on Trinity River

Trinity Side Tributaries



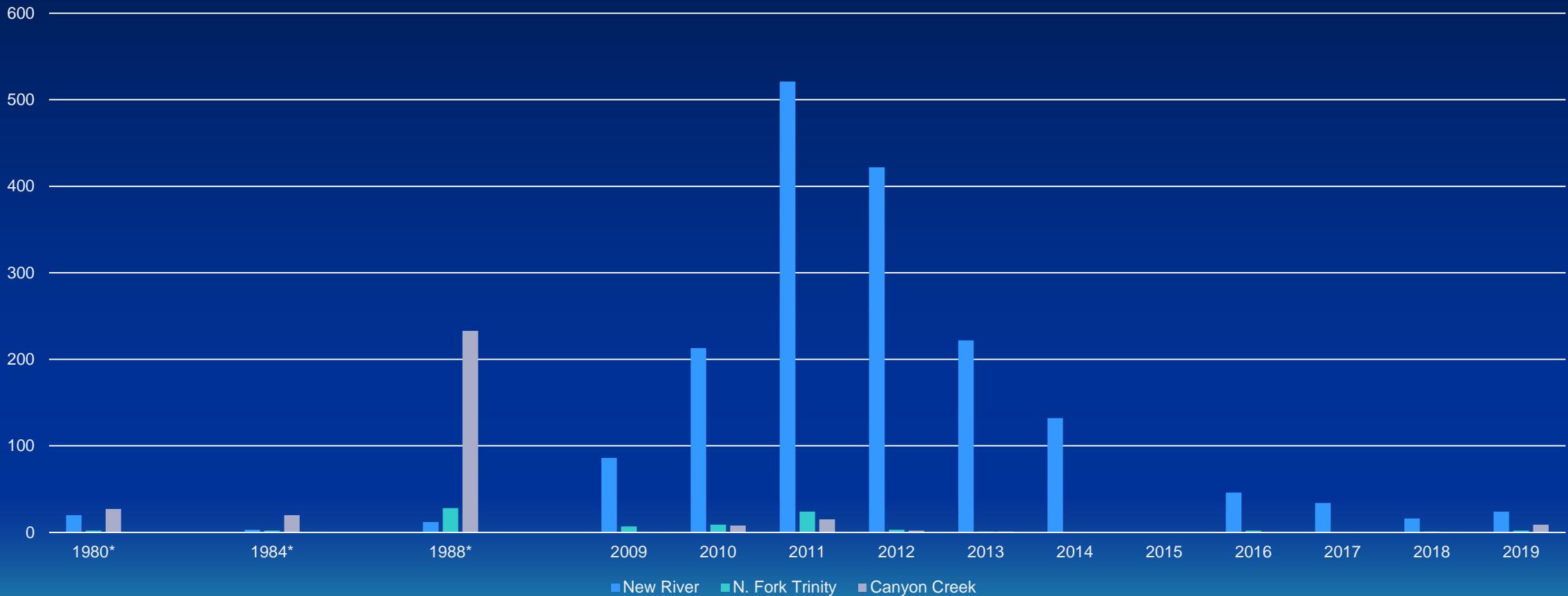
Mainstem Trinity River Upstream from Lewiston Dam Site, 1947



Mainstem Trinity River Upstream from Lewiston Dam Site, 1950



New River, N. Fork Trinity, and Canyon Creek 1980-2019



Hayfork Creek Salmon, 1939



Trinity County Historical Society

Illa & Binà
Circa 1939
Hayfork, California

Hayfork Creek Salmon 1952

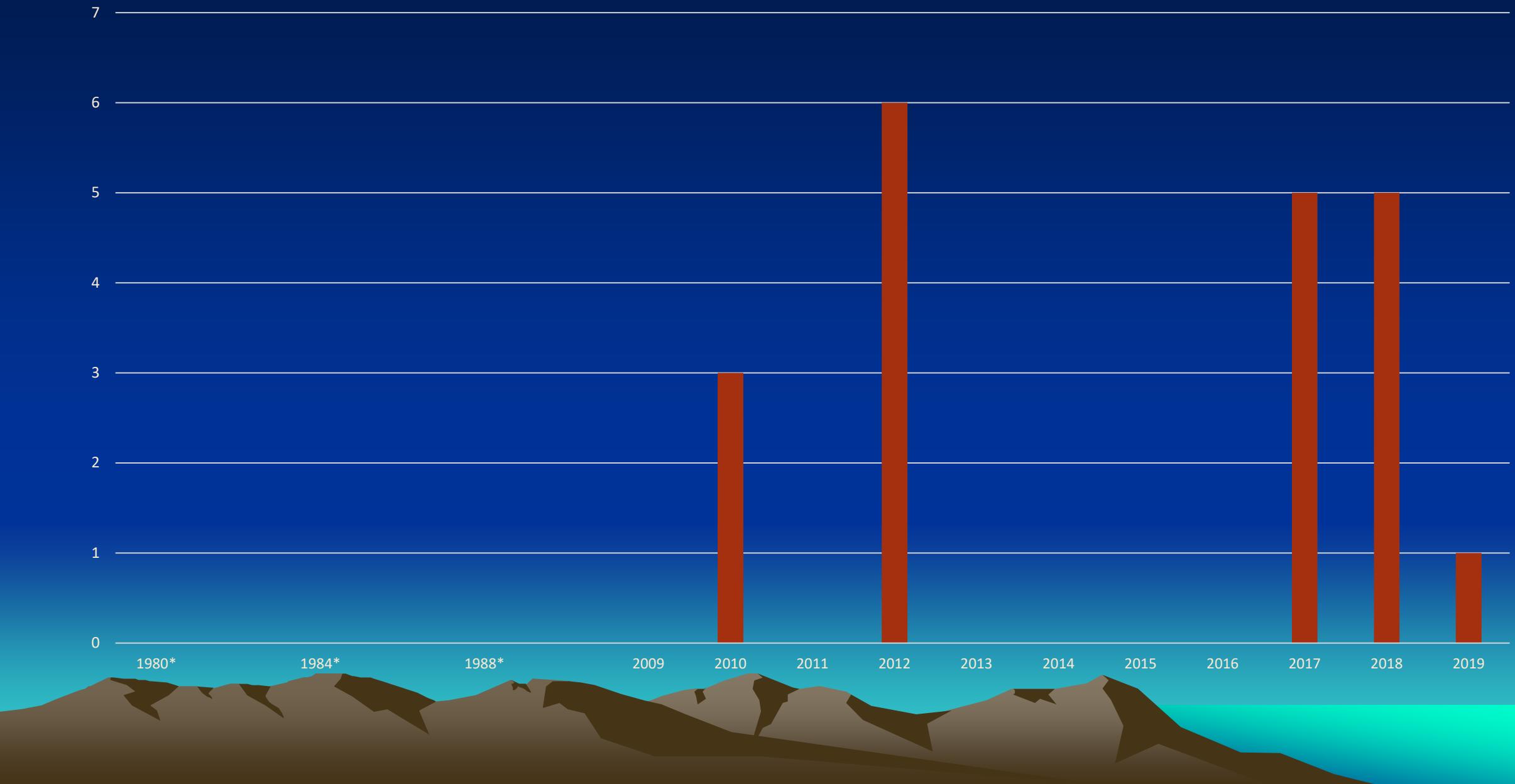


Salmon Fishing

Circa 1952
Hayfork, California

Trinity County Historical Society

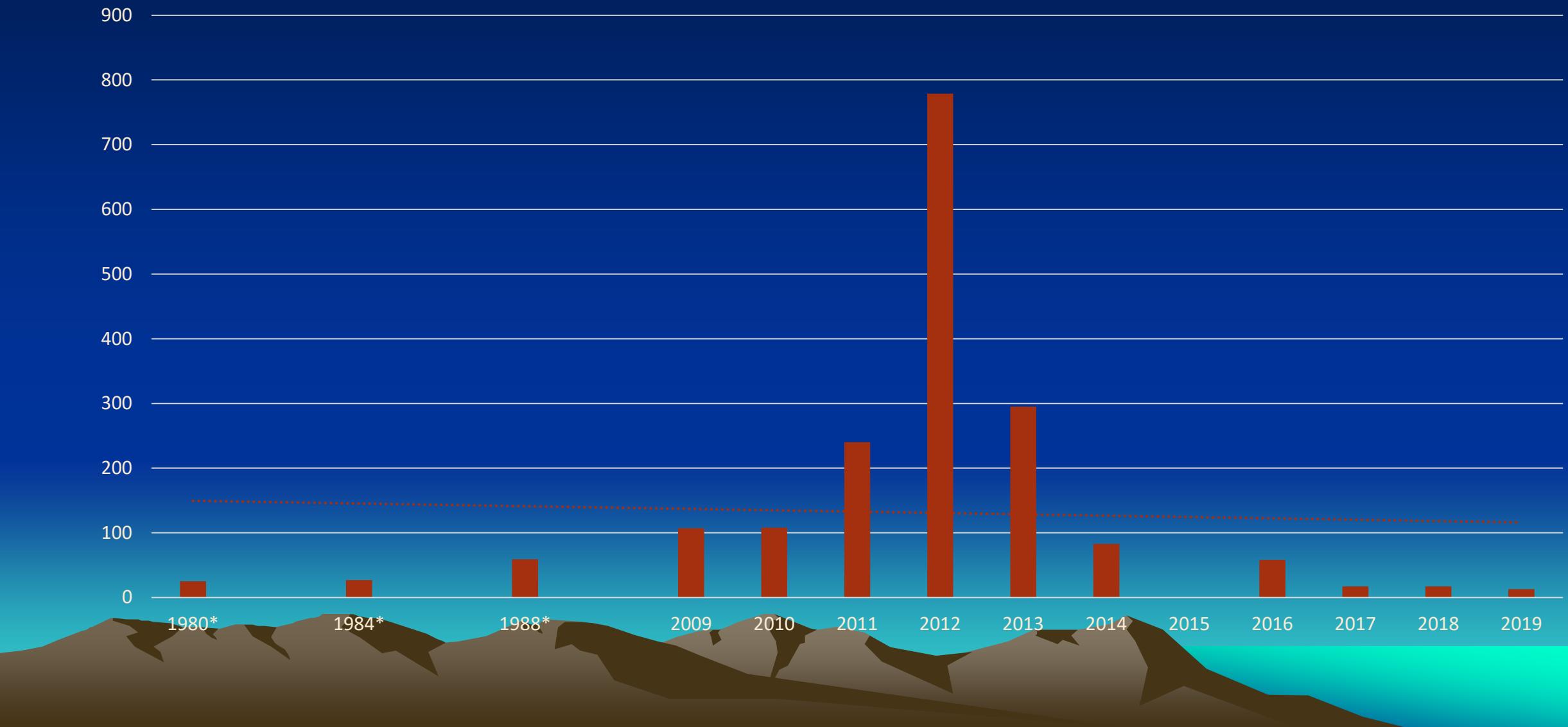
Hayfork Creek 1980-2019



Hayfork Creek 1964-2019 (Campbell and Moyle 1991)

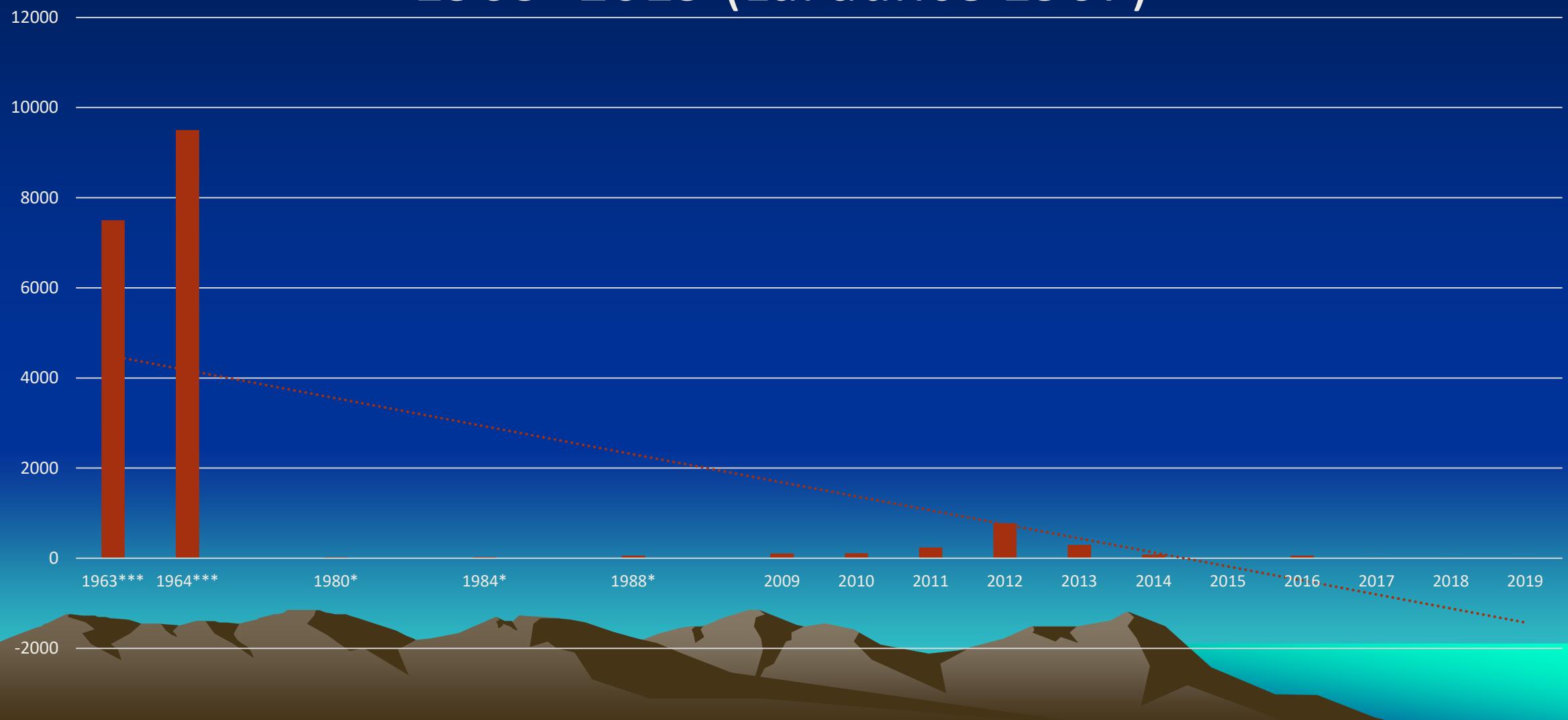


South Fork Trinity (without Hayfork Creek) 1980-2019



South Fork Trinity (Without Hayfork Creek)

1963 - 2019 (LaFaunce 1967)



- Conclusions:
 - Recent survey information demonstrates sustained declines in past 7-8 years for most tributaries
 - Comparison with historical information in reports shows a much greater decline since 1963-1964 where data were available
 - Some tributaries indicate single digit populations but there are no historical data to compare populations over time

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Questions?

