

An aerial photograph of the Bering Sea showing numerous fishing vessels and large, circular salmon fishing nets deployed in the water. The nets are visible as long, thin lines forming concentric circles around the boats. The water is a deep blue, and the sky is not visible.

ALASKA'S FISHERIES ENHANCEMENT

RCMT 2015 Meeting

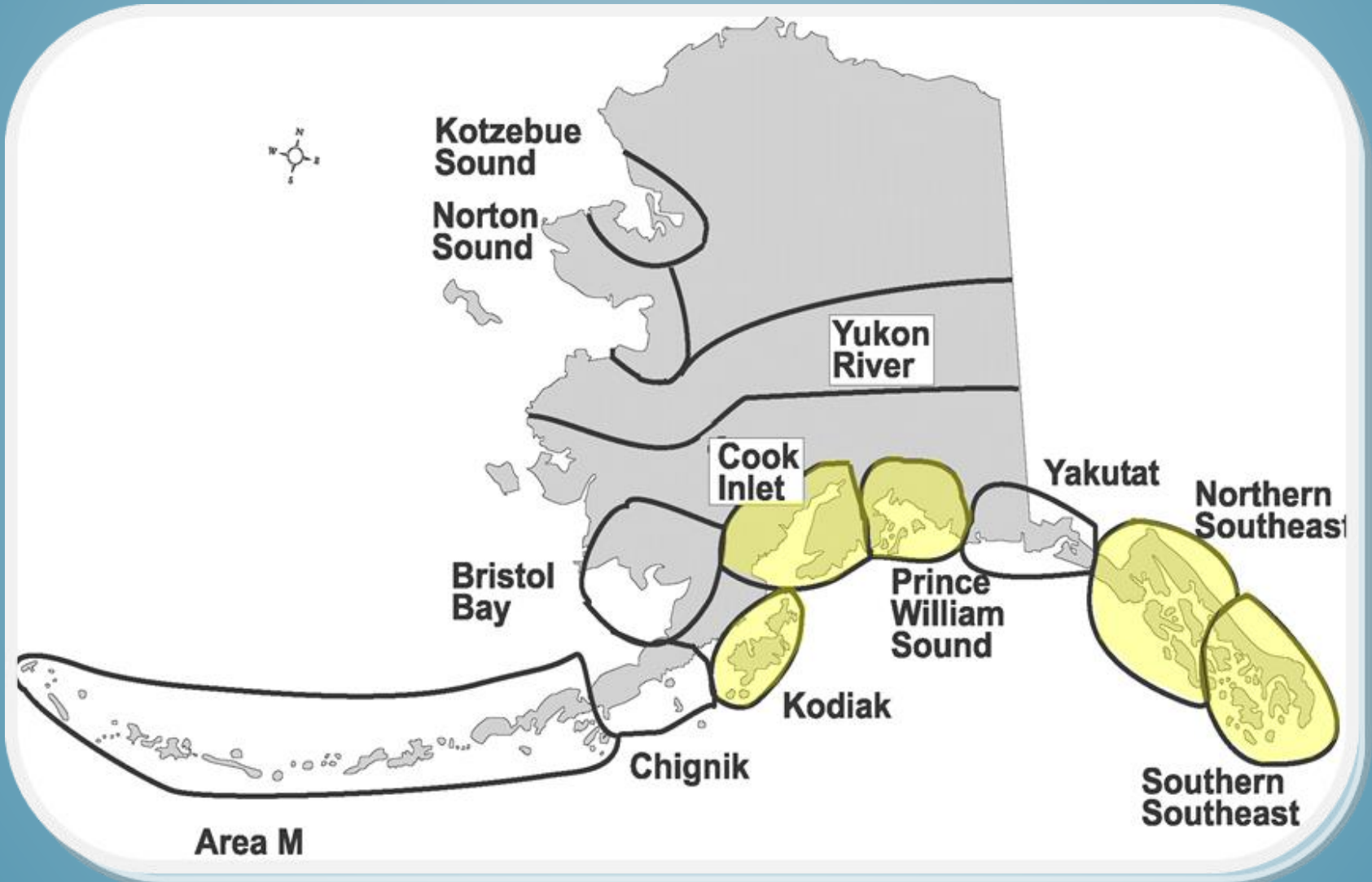
Alaska Department of Fish and Game
Lorraine Vercessi

4/29/2015

TOPICS

- *Early history of Alaska's hatcheries.*
- *Historical salmon harvests.*
- *State of Alaska hatchery programs.*
- *Current hatcheries production.*

ALASKA'S SALMON PLANNING REGIONS

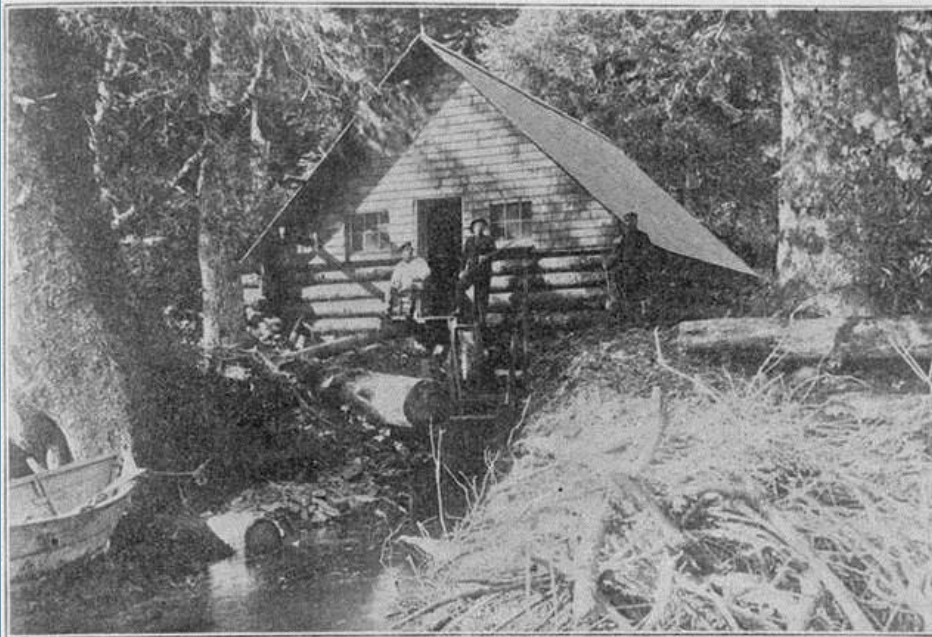


THE FIRST HATCHERY

1891 Karluk River, Kodiak

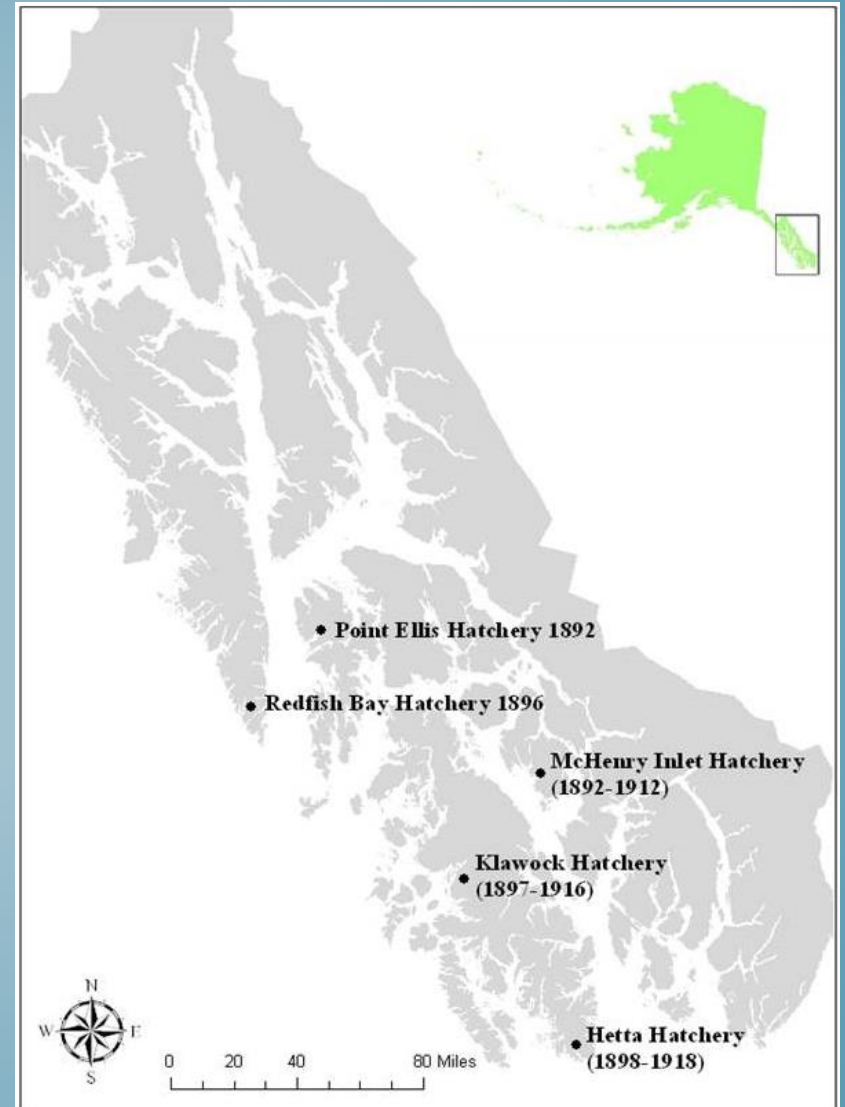


PRE-1900 SOUTHEAST ALASKA HATCHERIES



Hatchery at Redfish Bay.

Alaska State Library - Historical Collections



THE EARLY HATCHERIES

- 1892 *Private Hatcheries*
- 1900 *Mandatory Cannery-Hatcheries*
“4 sockeye fry/adult taken”
- 1905 *Federal Hatcheries*
- 1917 *Territorial Hatcheries*
- 1937 *Hatcheries Abandoned*

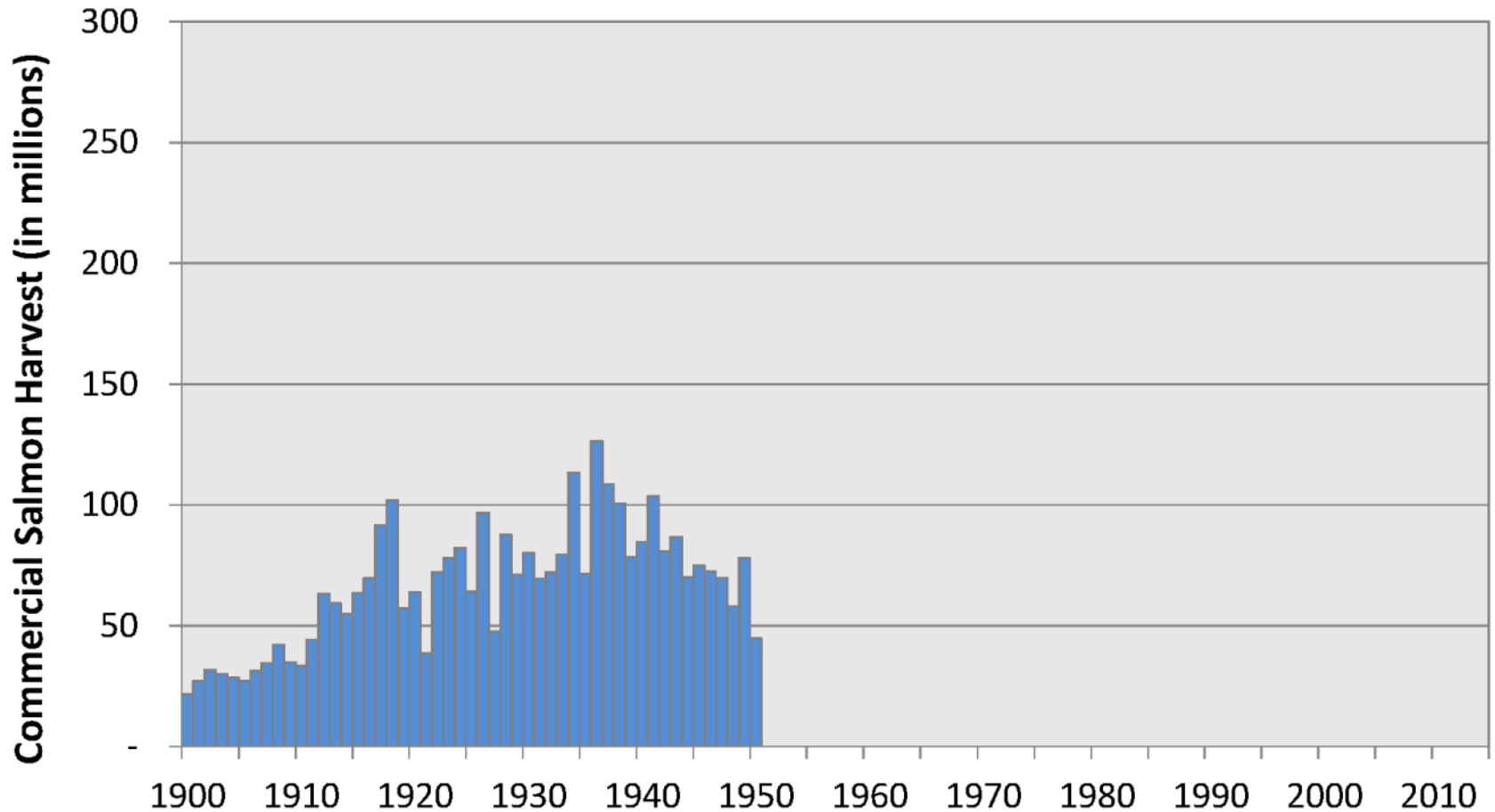
Built: to supply the canning industry fisheries.

Failed: unable to prove themselves effective.

Little Port Walter Federal Research Facility



COMMERCIAL SALMON HARVESTS 1900-1950



Alaska commercial salmon harvests, in millions of fish, 1900–1950.

RENEWED INTEREST

1949
*Dept. of
Fisheries*

1954
*Kitoi Bay
Hatchery*



Kitoi Bay Hatchery, Afognak Island, Date unknown

1954 Deer Mountain Hatchery



Ketchikan Creek and Deer Mountain Hatchery, 1955

Deer Mountain
Hatchery Chinook

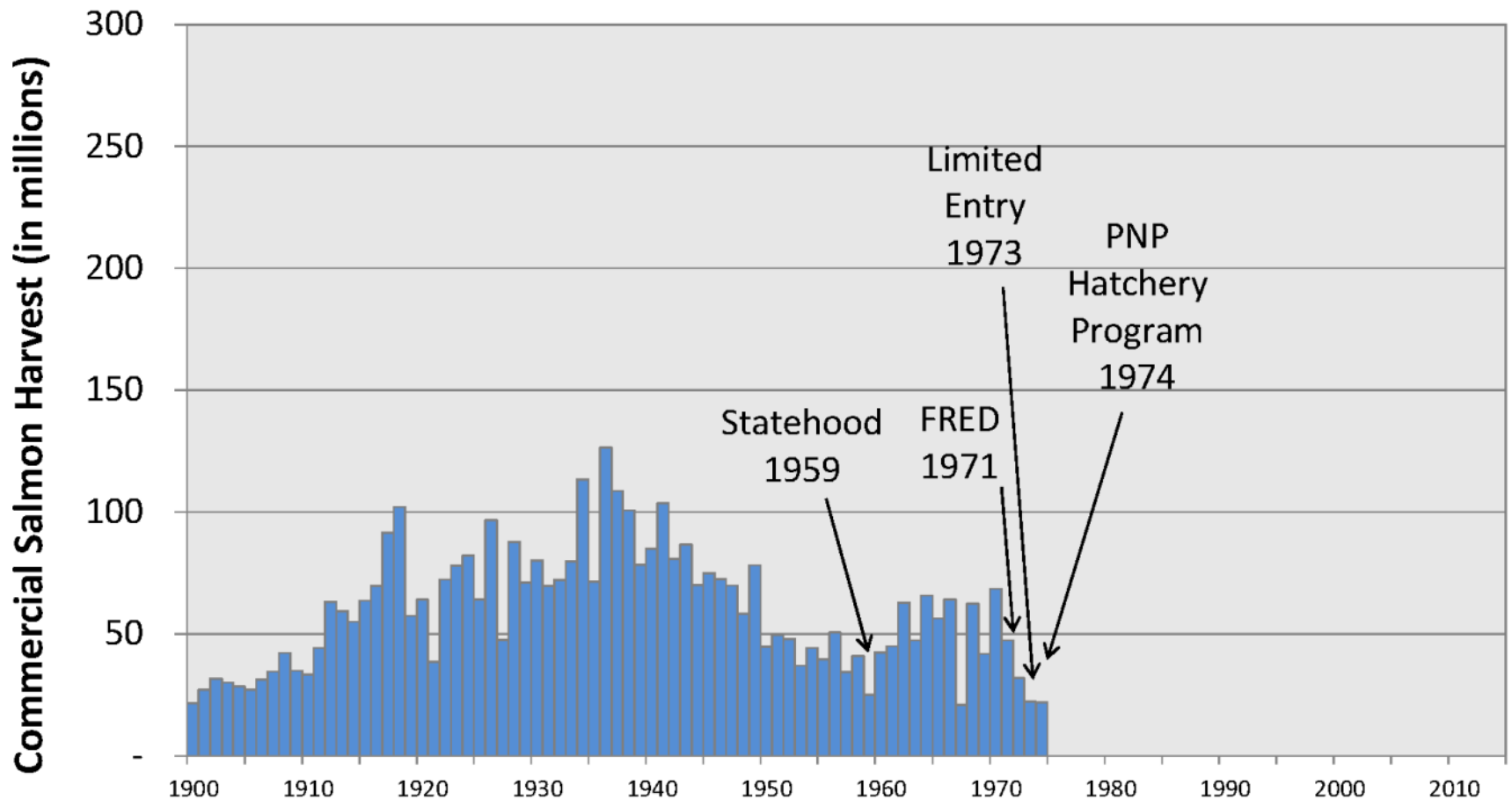
Ketchikan
King Salmon Derby

Winner
55 pounds

1988



COMMERCIAL SALMON HARVESTS 1900-1974



Alaska commercial salmon harvests, in millions of fish, 1900–1974.

SHELDON JACKSON HATCHERY

PNP Hatchery Permit #3 April, 1975



Sheldon Jackson, 2011



Sheldon Jackson, view of net pens

SHELDON JACKSON HATCHERY

PNP Hatchery Permit #45, 2011



Sage Building, Sitka AK, 2014

PORT SAN JUAN (AFK) HATCHERY

PNP Hatchery Permit #2 September, 1975

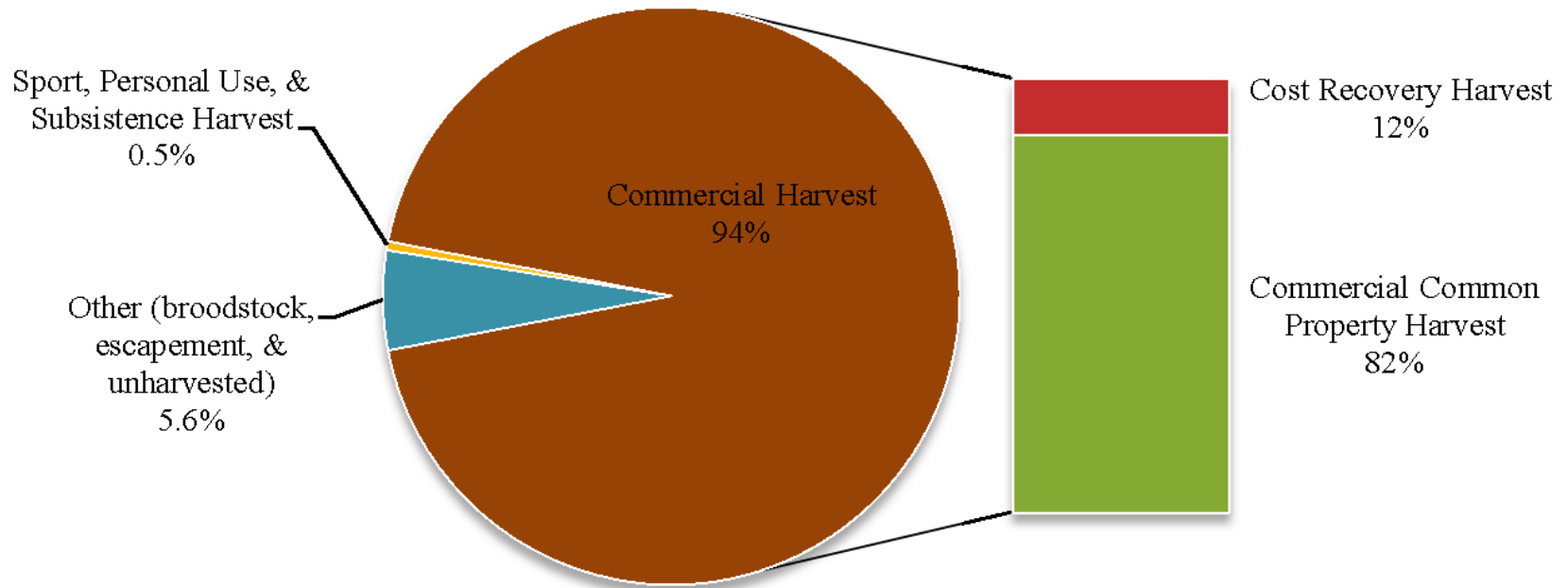


Hatchery Net Pens and Spawning Shed



Port San Juan Hatchery from the net pens

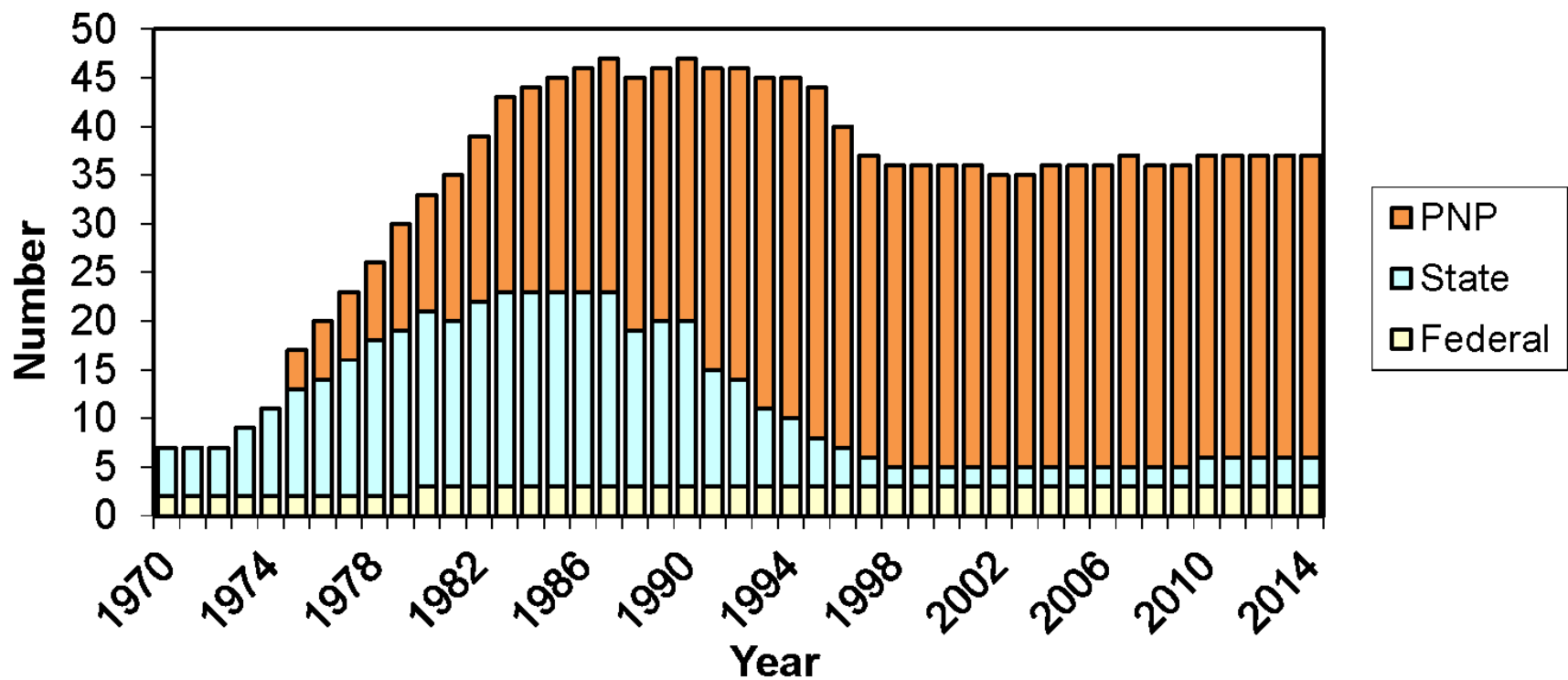
HATCHERY CONTRIBUTIONS



2014 Estimated Hatchery Contributions

ALASKA'S HATCHERIES

Number of Hatcheries in Alaska



MAIN BAY HATCHERY



PRODUCTION REPORTS



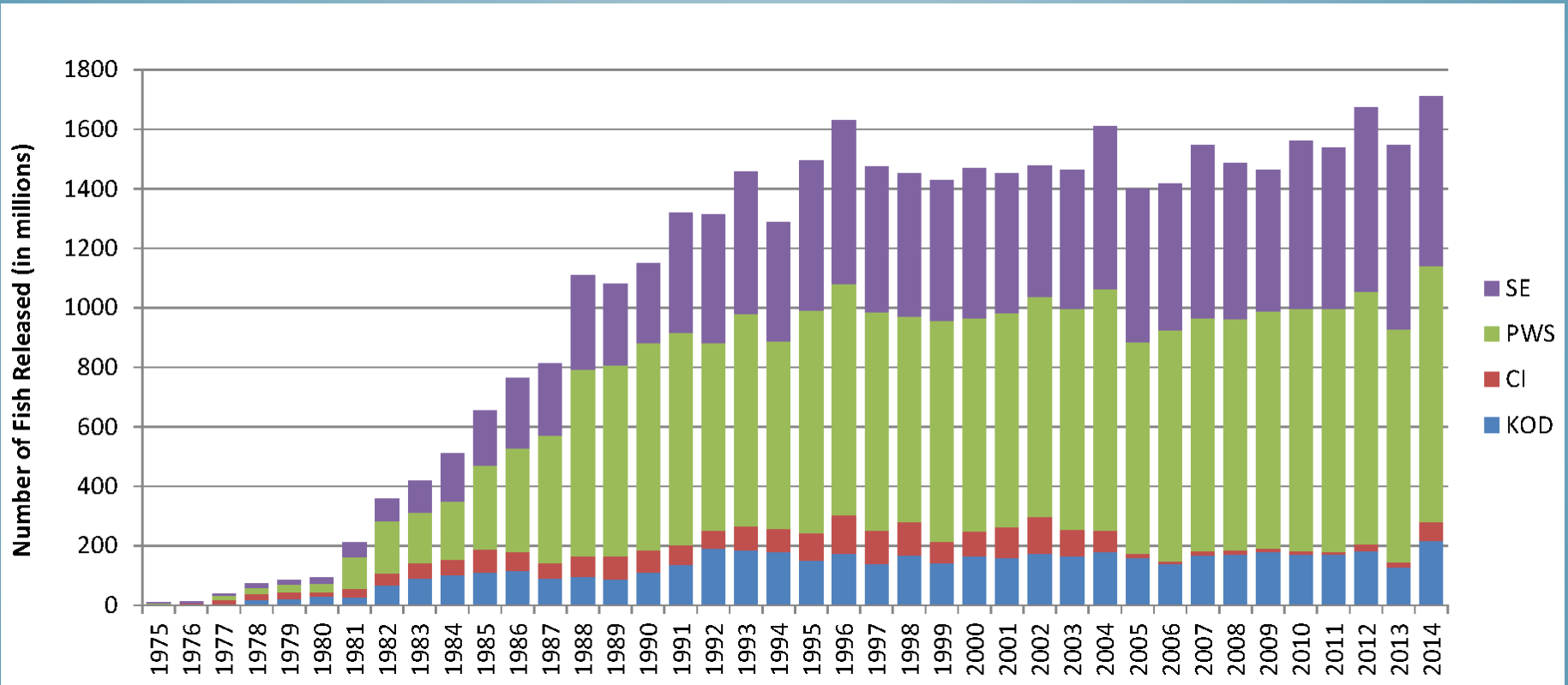
HATCHERY ANNUAL REPORTS



RELEASES

By Region

1975-2014

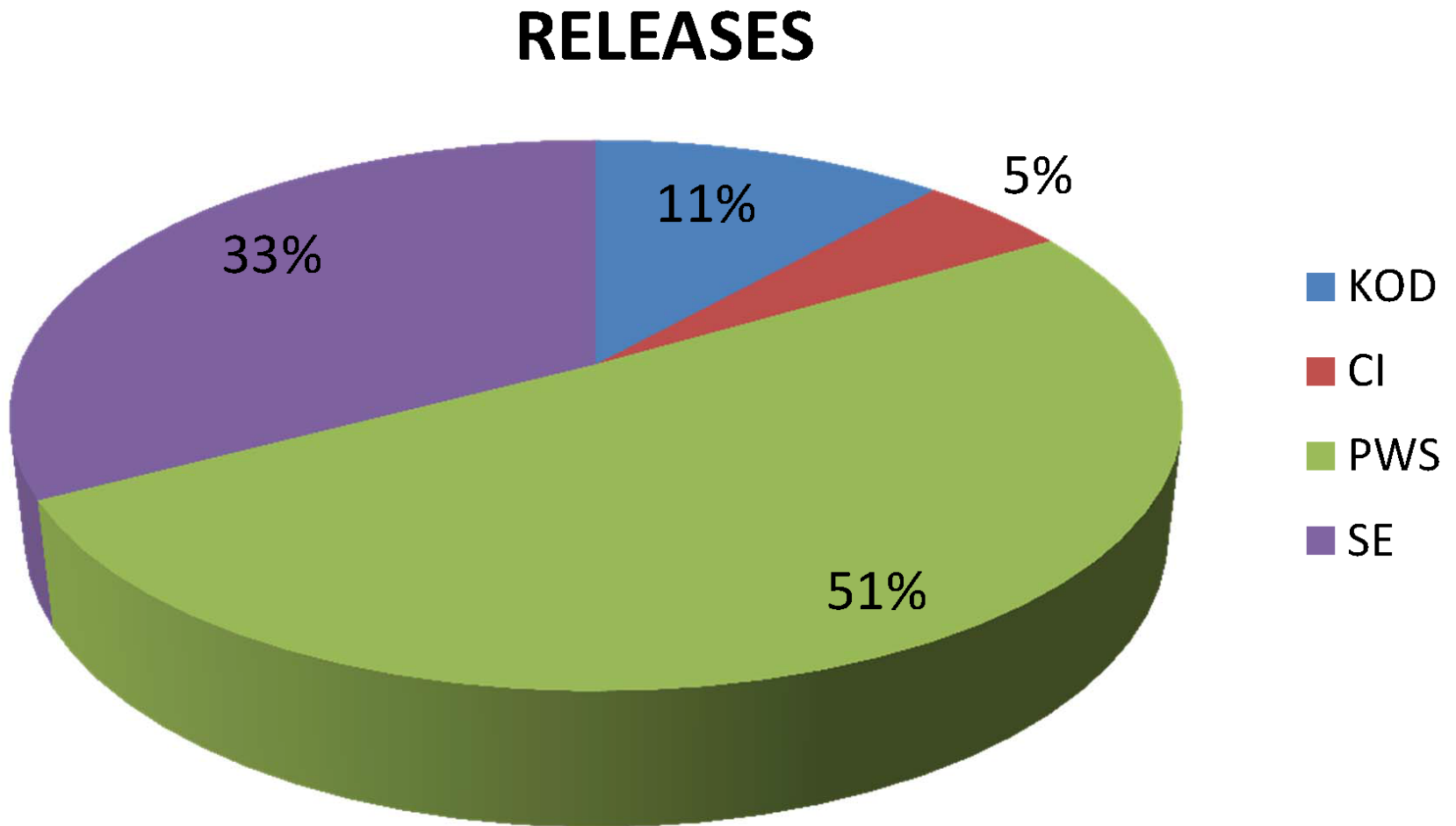


Over 43 billion juvenile salmon have been released from Alaska's hatcheries.

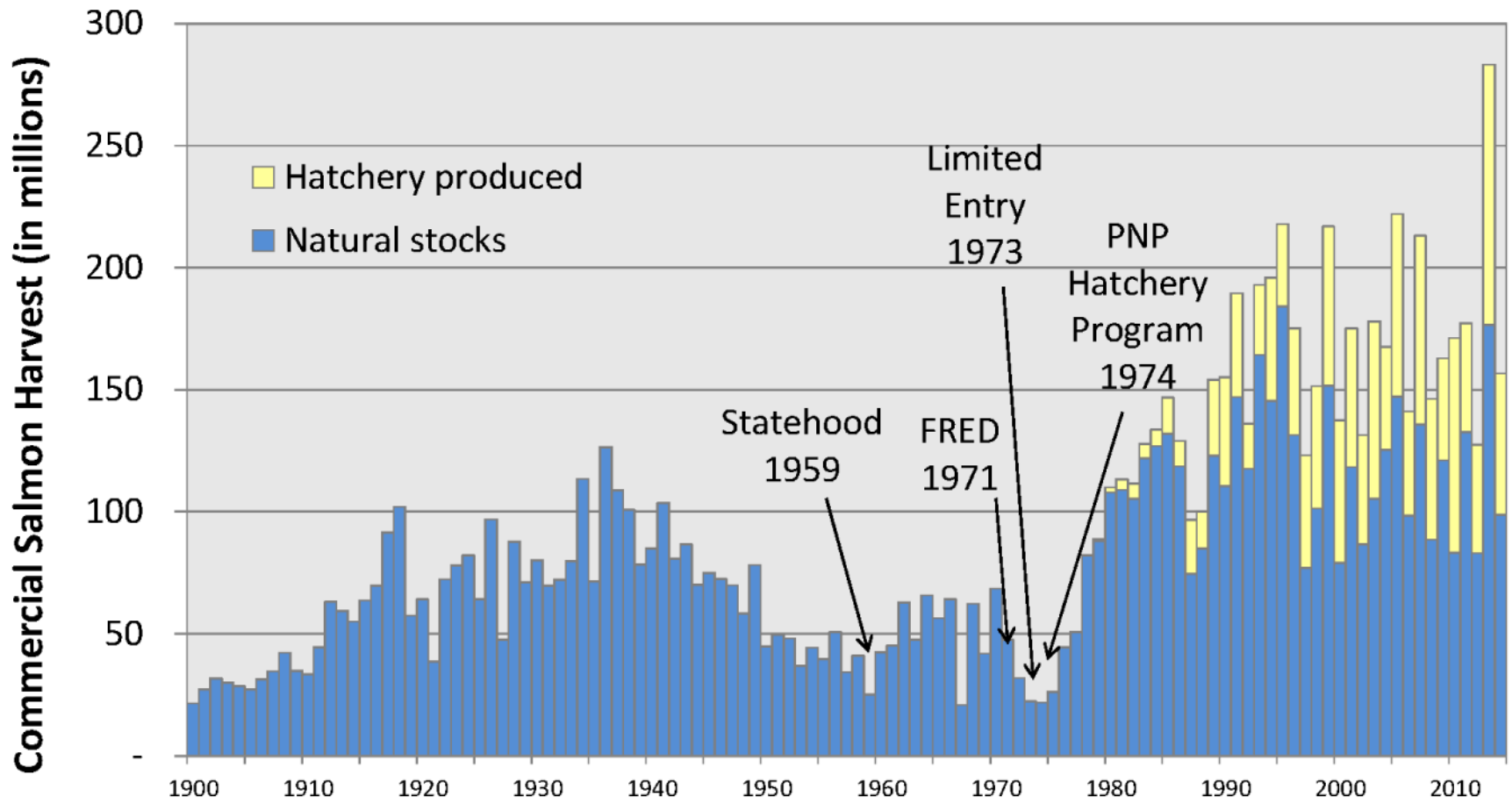
RELEASES

By Region

1975-2014



COMMERCIAL SALMON HARVESTS 1900-2014



Alaska commercial salmon harvests, in millions of fish, 1900–2014.

FISHERIES ENHANCEMENT



Amalga Harbor SHA, Juneau, 2012

FISHERIES ENHANCEMENT



Another Amalga SHA Haul 2012

FISHERIES ENHANCEMENT



Another Amalga SHA Haul 2012

FISHERIES ENHANCEMENT



FISHERIES ENHANCEMENT

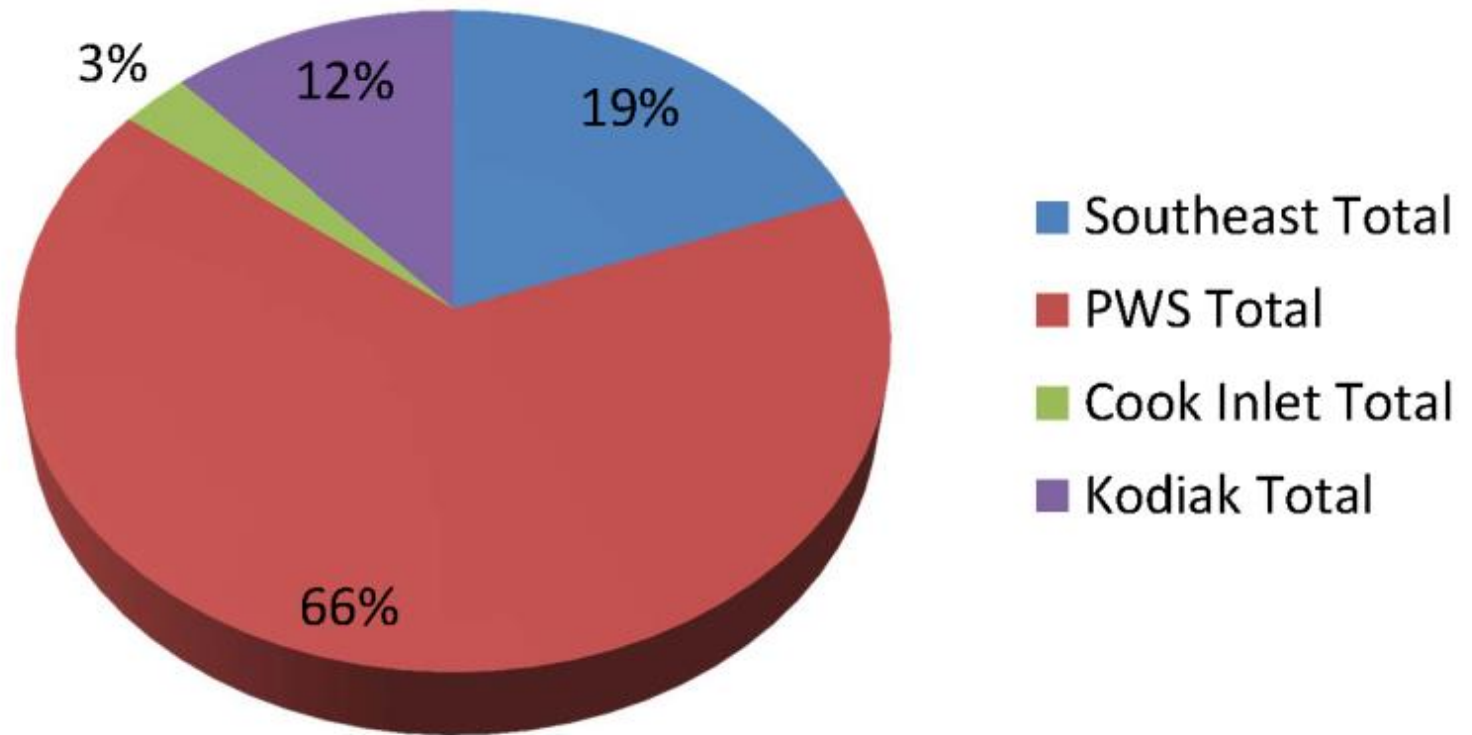


Kitoi Bay Hatchery pink salmon mop-up

COMMERCIAL HARVESTS

- *By Region*

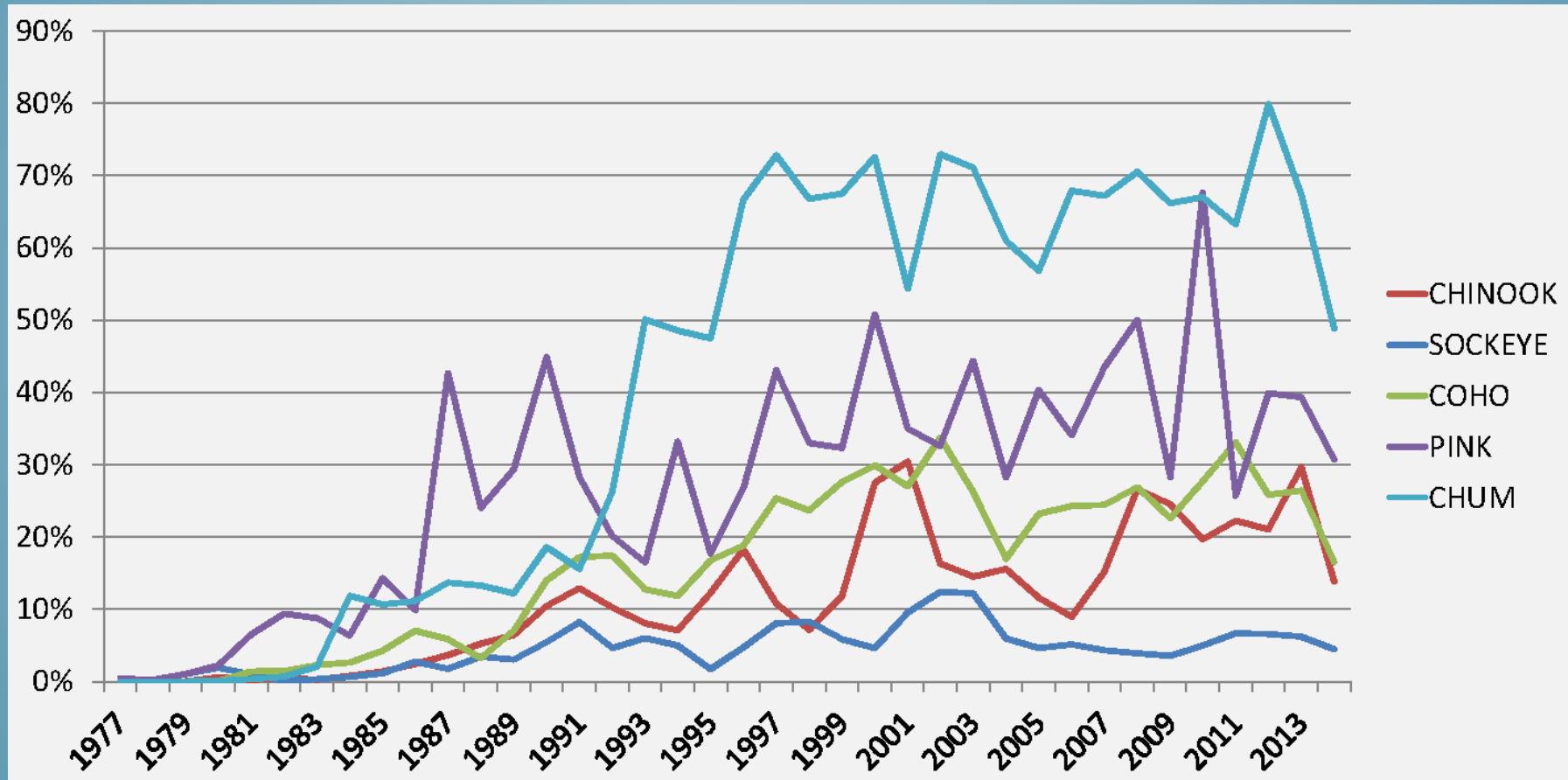
Hatchery-produced Salmon in Commercial Harvest, by Region



An estimated 1.46 billion hatchery-produced salmon harvested, 1977-2014.

COMMERCIAL HARVESTS

- *By Species*



Hatchery contribution as a percentage of commercial harvests, statewide.

COMMERCIAL HARVEST CONTRIBUTIONS

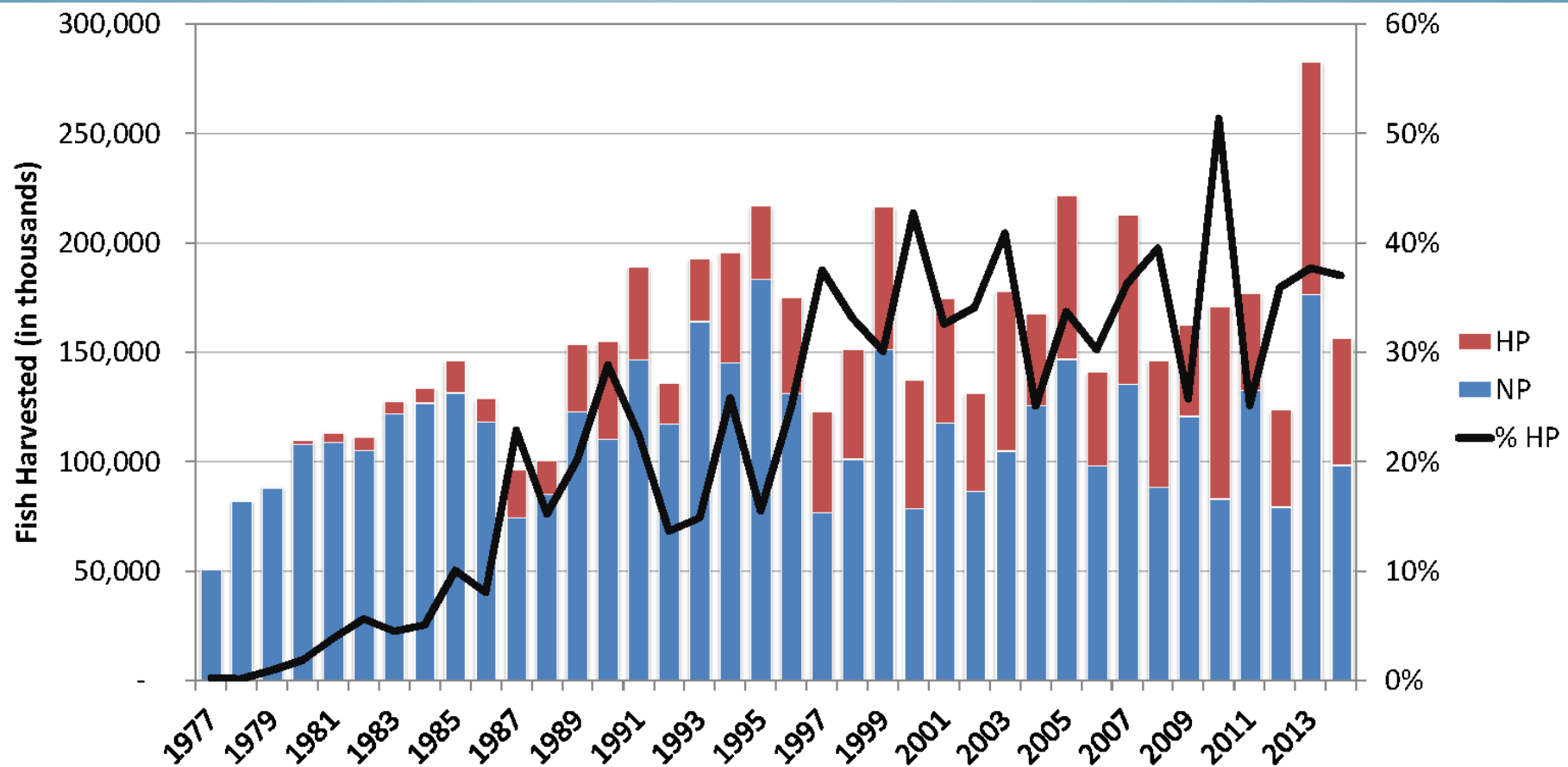
By Species and Region



- *Chinook: Southeast*
- *Sockeye: Prince William Sound*
- *Coho: Southeast*
- *Pink: Prince William Sound*
- *Chum: Southeast*

COMMERCIAL HARVEST CONTRIBUTION

- *All species, in thousands of fish*



FISHERIES ENHANCEMENT



Hidden Falls Hatchery July 1985

**THANK
YOU!**



Gillnet Fishery, SE