

Alaska Salmon Enhancement: Governor Hammond's Folly

...or Fishermen's Fortune?



Steve Reifentuhl, General Manager Northern Southeast Regional Aquaculture Association

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Data and Information Sources include

McDowell Group & ADF&G



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Summary of Presentation:

- Alaska's Hatchery program is integral with Seafood Industry
- a little History
- Modern Era of Enhancement 1970's to present
- Value to Fishermen, Communities, & Economy
- Controversy
- Real Alaskans Still Exist





The Economic Value of Alaska's Seafood Industry



Prepared for:



Alaska Seafood Marketing Institute

Prepared by:



September 2017



Seafood Industry in Alaska

\$1.7 billion ex-vessel value in 2016

57,000 workers, 36,800 Alaskan or 8% of total Alaskan workforce

Alaska fisheries employed 29,000 fisherman

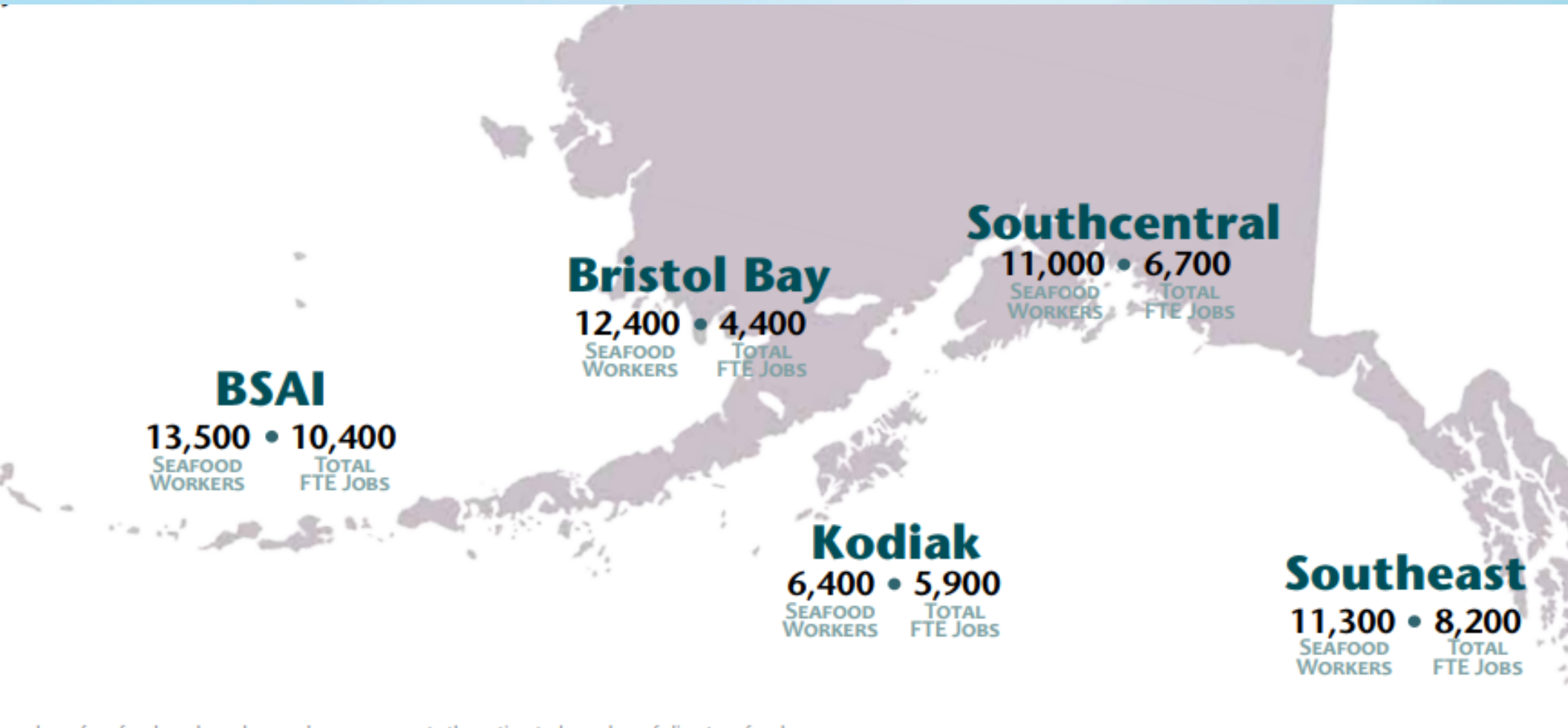
All Alaska Fisheries - \$4.2 billion first wholesale

\$150 million Hatchery program ex-vessel, \$331 million 1st wholes

Gold Standard for Fisheries Management & Sustainability



McDowell Group data 2017



McDowell Group data 2017

Top Ports: by First Wholesale Value*

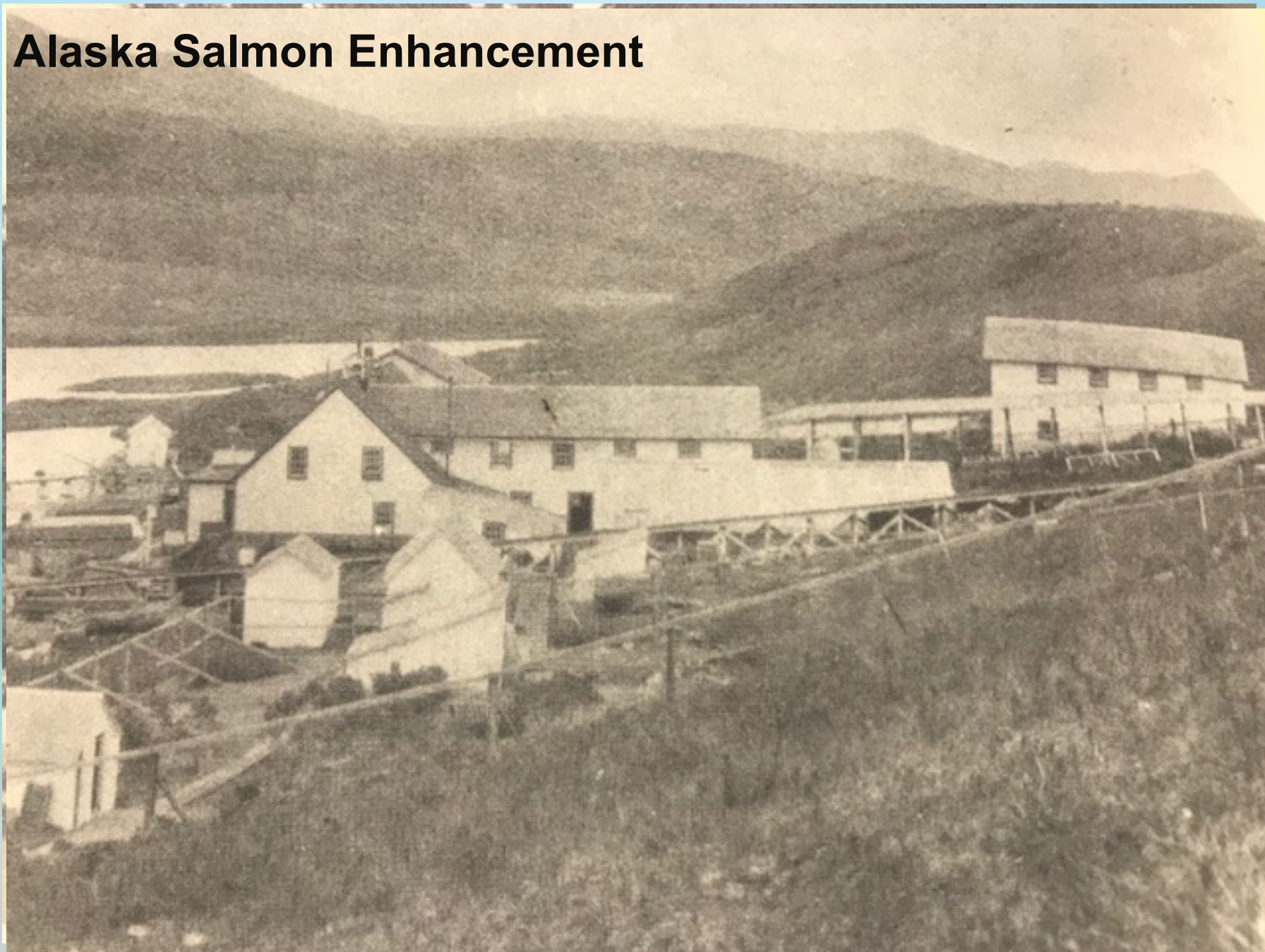
1) Dutch Harbor	\$474 Million
2) Naknek	\$292 Million
3) Kodiak	\$262 Million
4) Cordova	\$134 Million
5) Sitka	\$121 Million

*2015/2016 Avg.

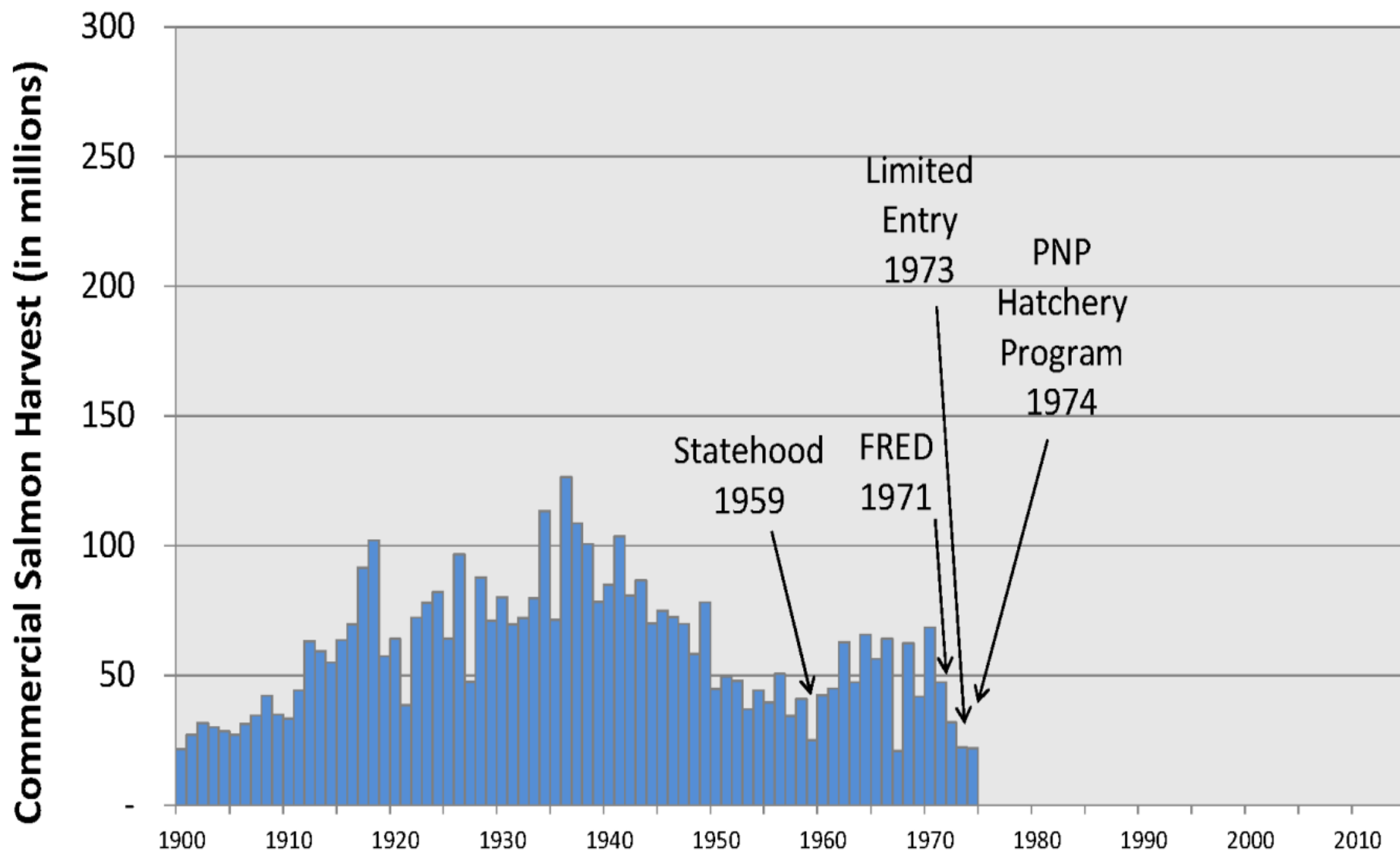


Alaska Salmon Enhancement

Water Bay
Kodiak
Bay



Alaska Salmon Enhancement



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



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- Modern Era of Enhancement 1970's to present



Alaska Salmon Enhancement



NSRAA Programs



Medveje Hatchery, near Sitka



Gunnuk Creek Hatchery, Kake



Alaska Salmon Enhancement



Hidden Falls Hatchery



Alaska Salmon Enhancement



Amalga Harbor Seine Fishery



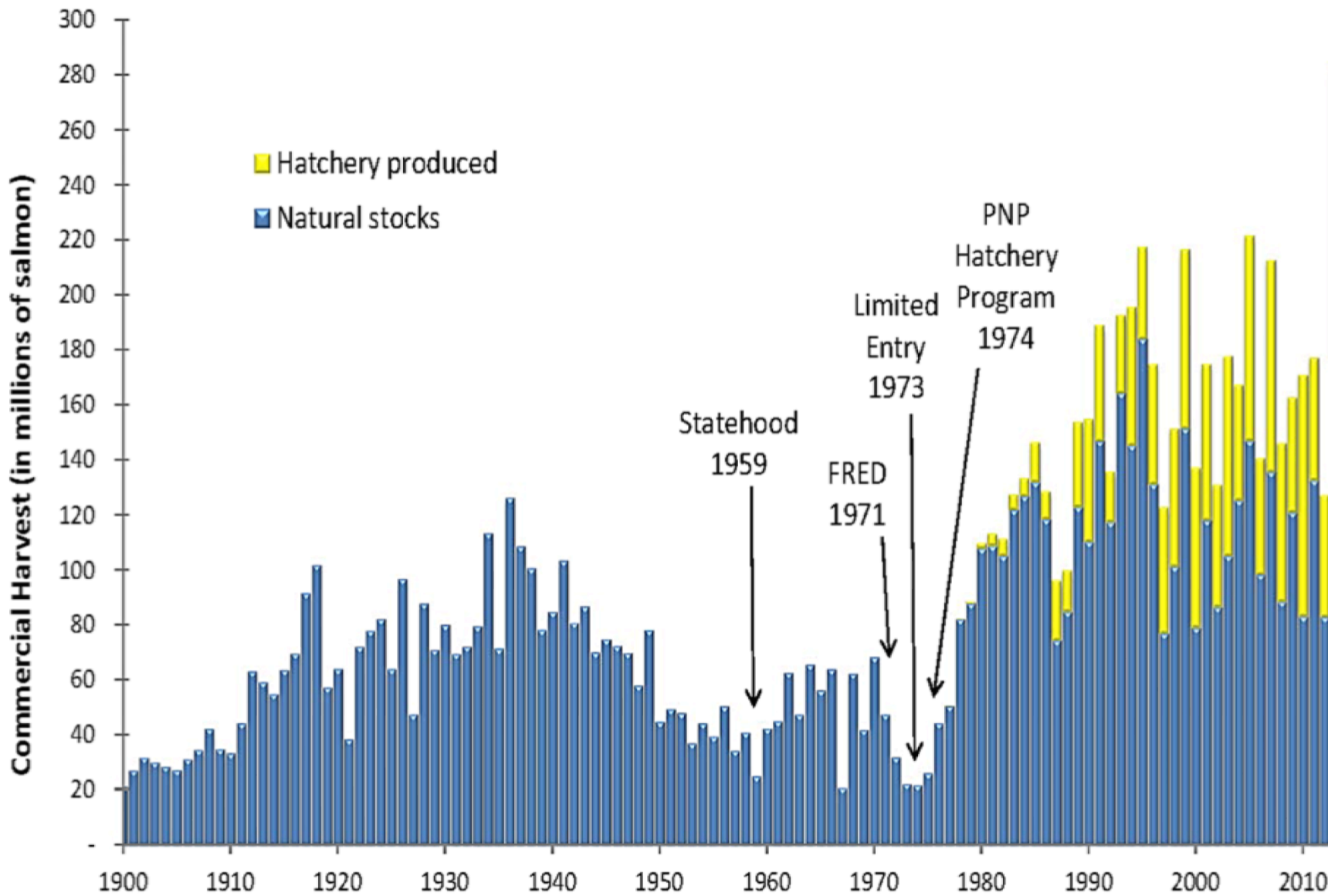
Lynn Canal Gillnet Fishery



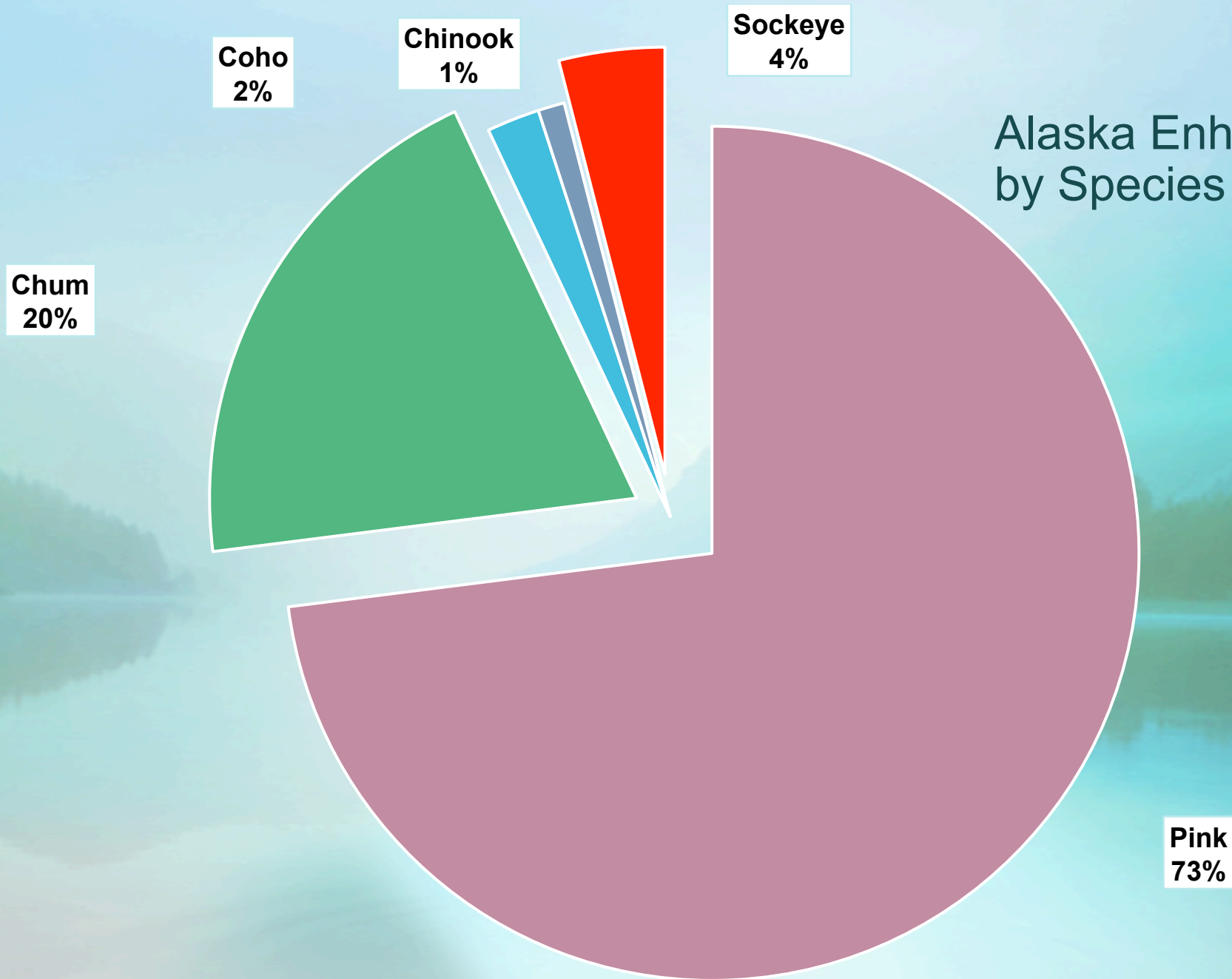


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Alaska Salmon Enhancement

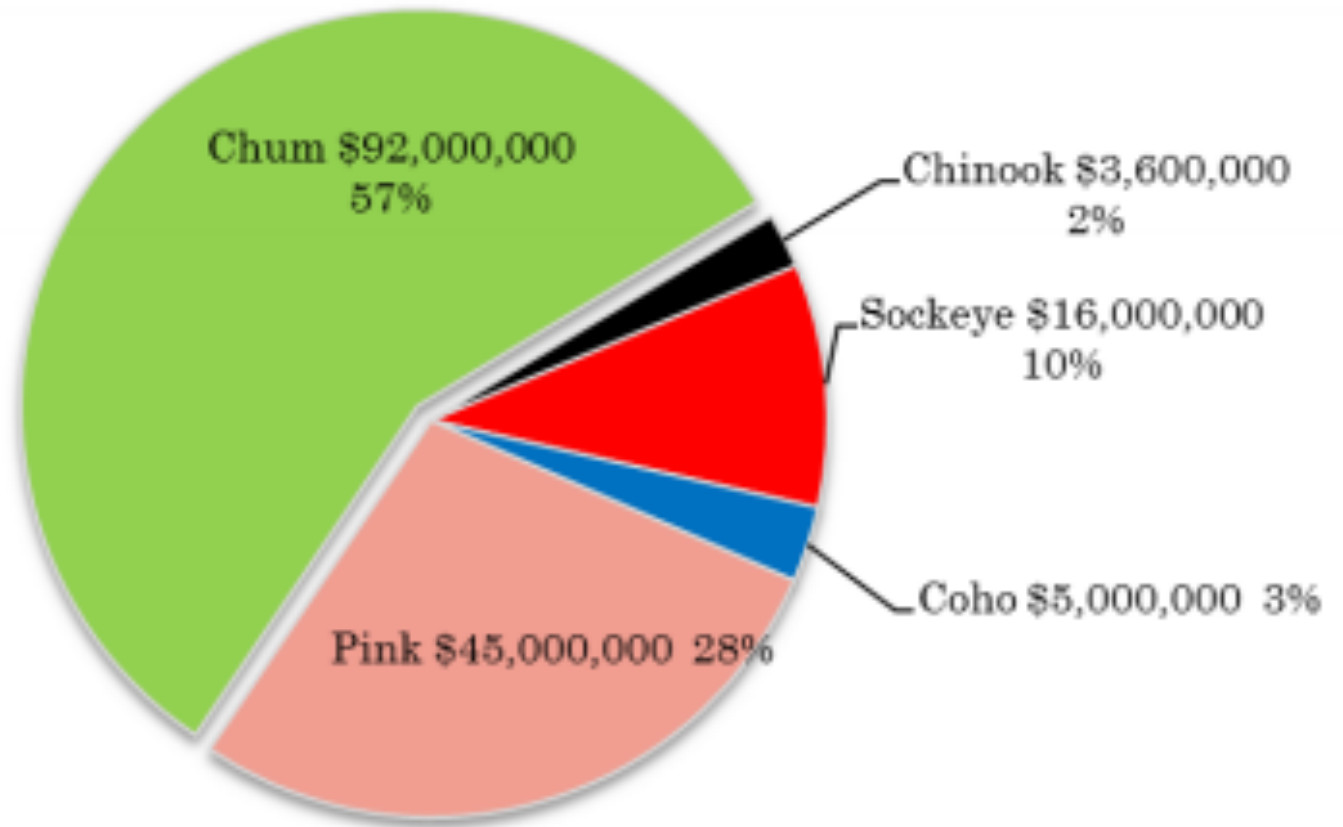


Alaska Enhancement by Species



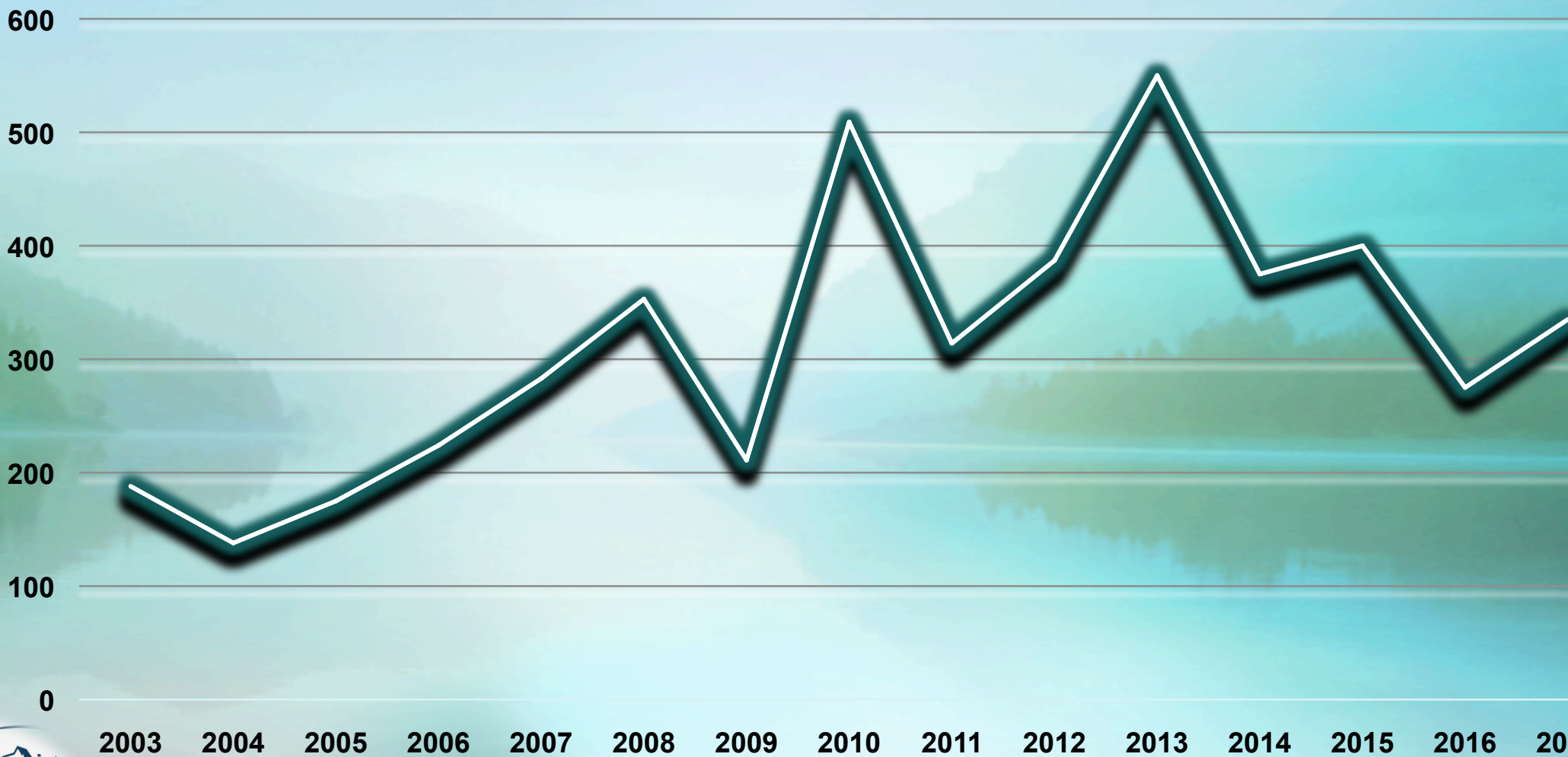
Vessel Hatchery Harvest Value 2017

2017 Total Hatchery
Value: \$162,000,000



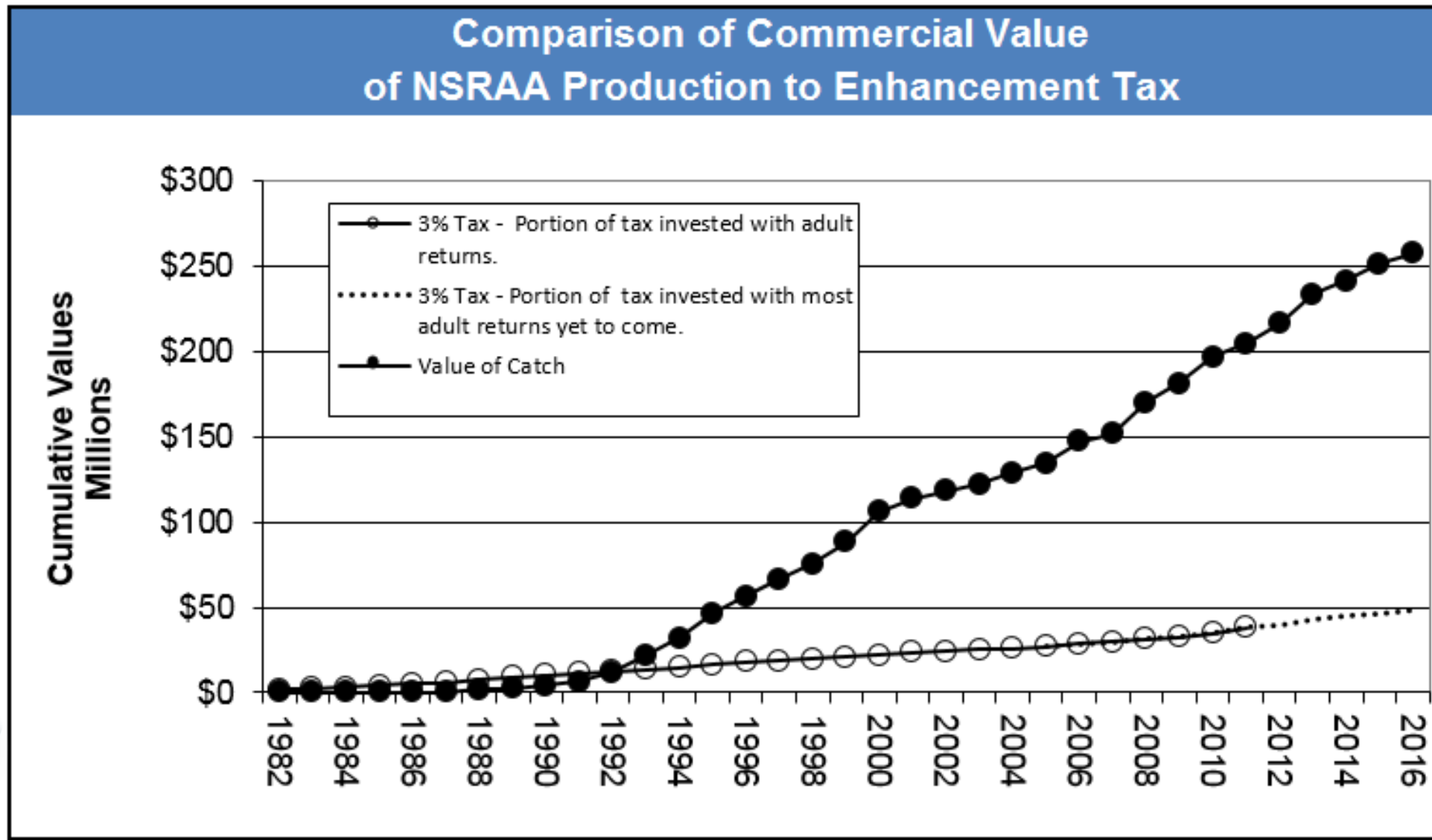
Alaska Salmon Enhancement

First Wholesale Value (\$millions)



NSRAA Commercial Value / 3% SET Received by NSRAA

\$257.7 Benefit / \$37.96 Cost = 6.8:1



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- Controversy – Infidelity & Ocean Carrying Capacity



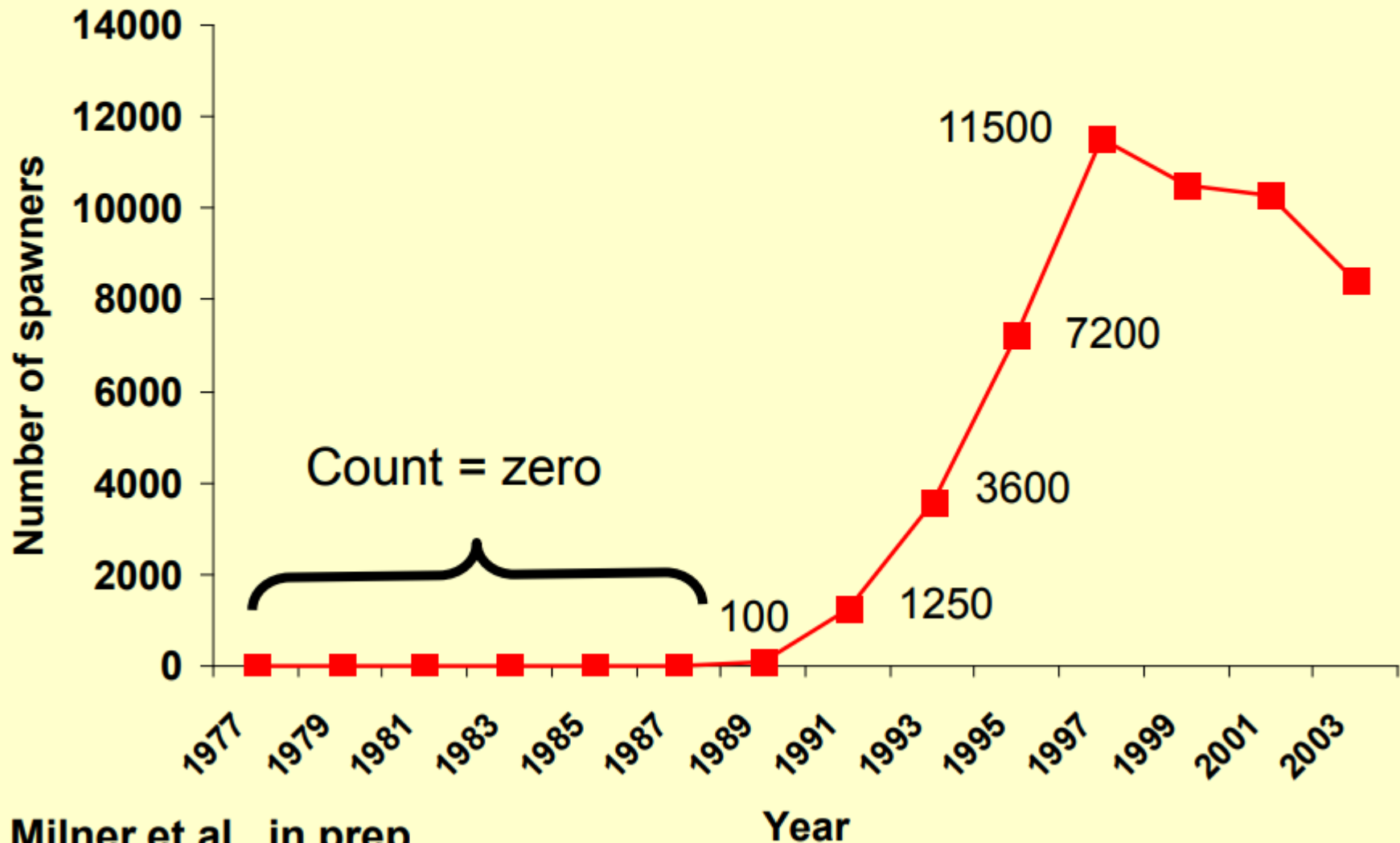
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\$20 million Research Program to Answer Questions

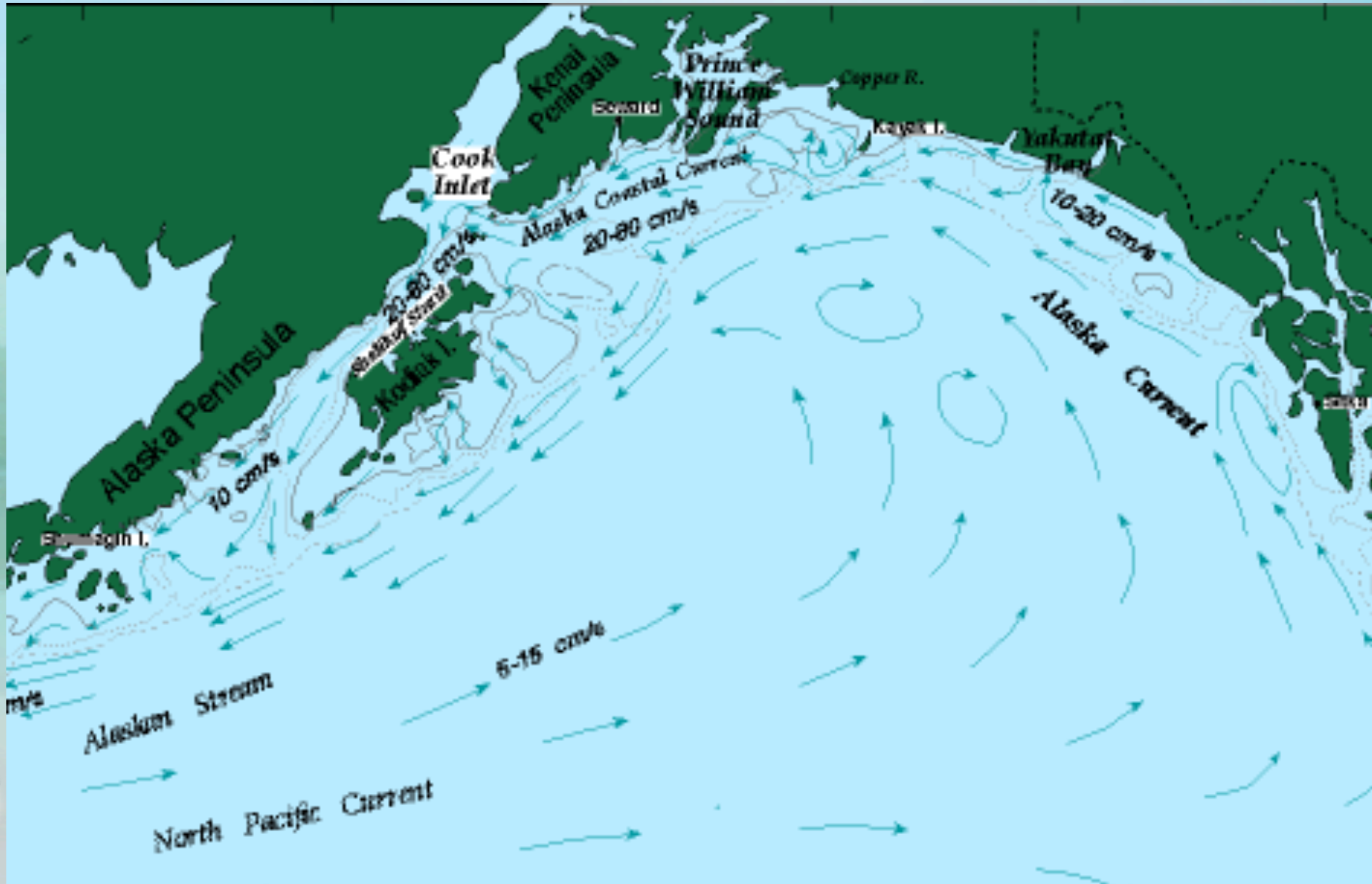


Increase in pink salmon abundance in Wolf Point Creek, Glacier Bay, Alaska



Milner et al., in prep.

Alaska Salmon Enhancement





Thanks to the vision of Governor Hammond and many legislators.....

.....fishermen and coastal communities throughout Alaska have the great fortune to harvest enhanced salmon



The End.....

with a view



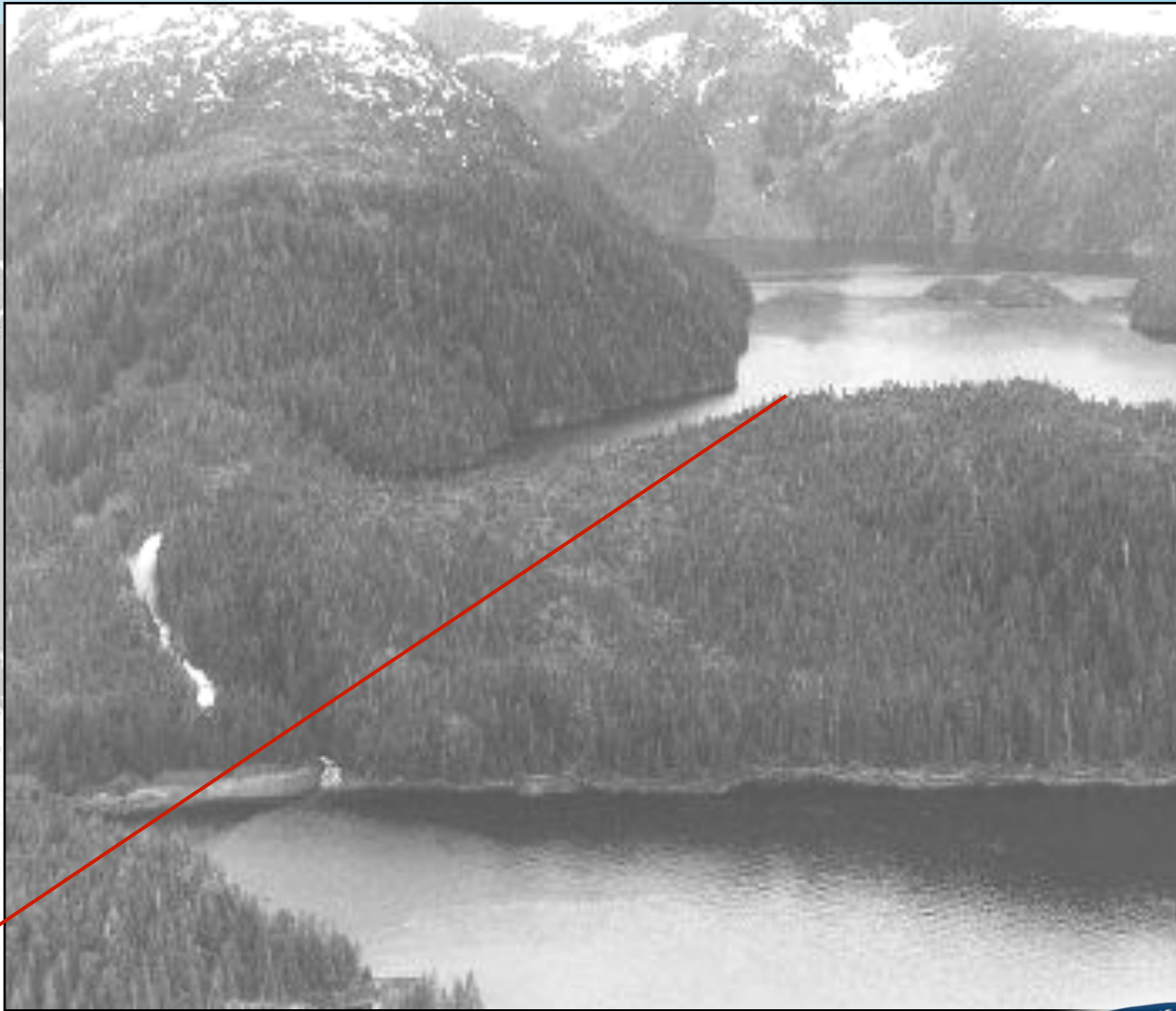
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- Real Alaskans Still Exist



Deer Lake & Mist Cove, Chatham Strait



Deer Lake/Mist Cove



ho Lake Rearing





Fry Transfers

- 2.8 million fry over 16 trips



Deer Lake, Baranof Island



Spring time at Deer Lake



digging a Trail from Saltwater to Camp



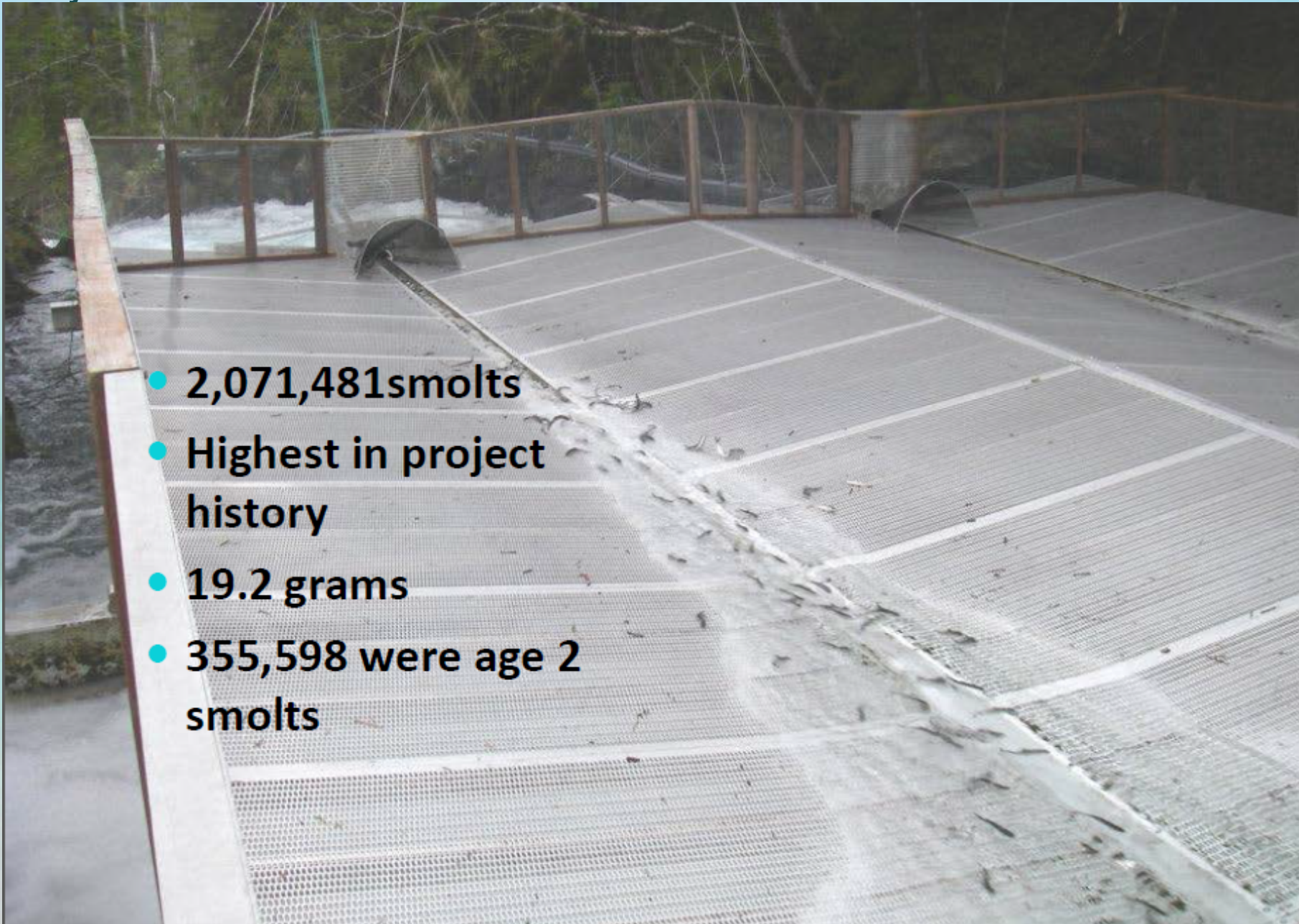
Emigration Setup



Coho Smolt Emigration



Deer Lake Project



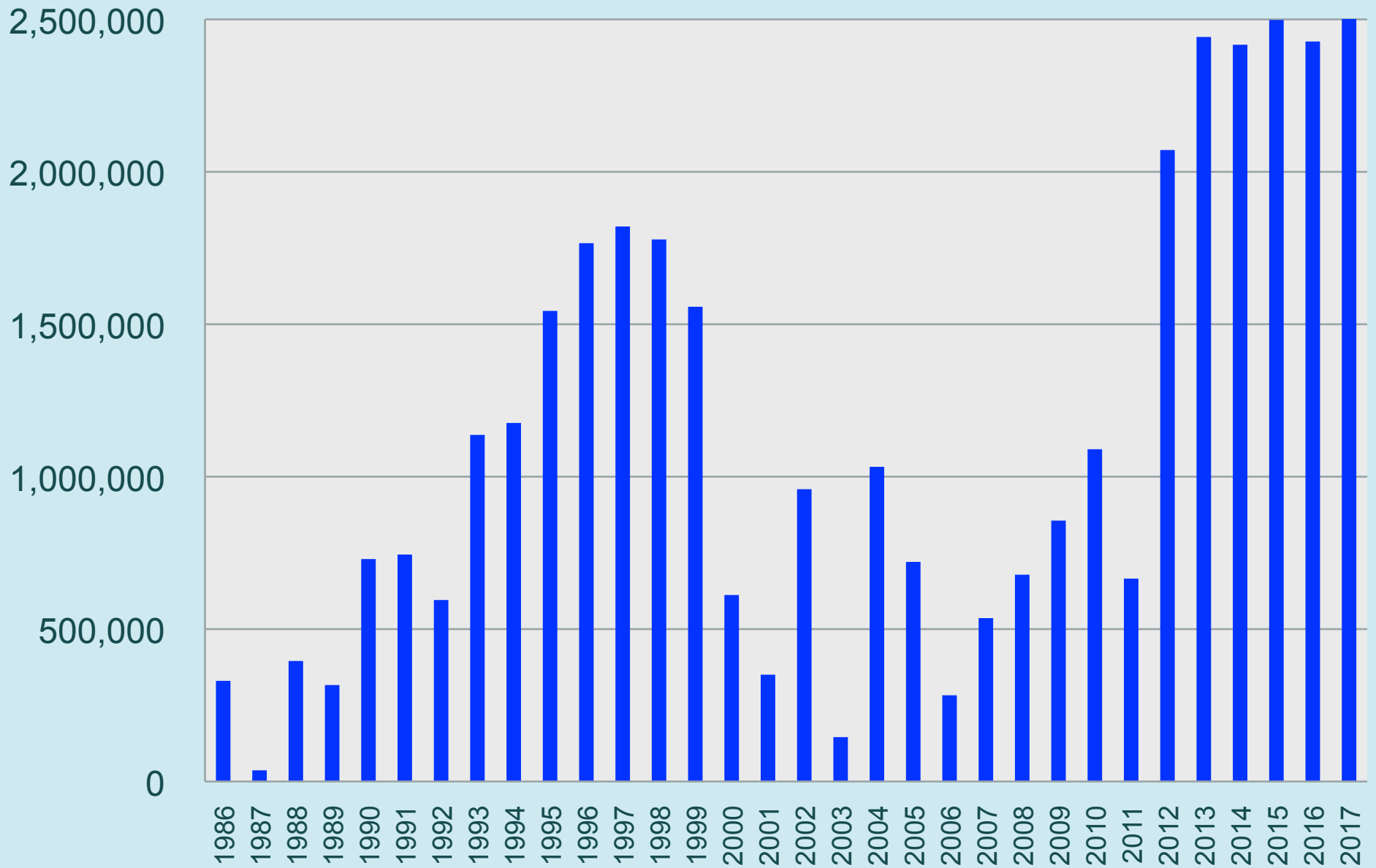
- **2,071,481 smolts**
- **Highest in project history**
- **19.2 grams**
- **355,598 were age 2 smolts**

Deer Lake Waterfall drop

320'



Total Annual Smolt Production



Fall Ice from Waterfall spray

