



Douglas Island Pink and Chum, Inc.

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DIPAC Hatcheries and Production

DIPAC is a private non-profit salmon hatchery that operates two facilities; the Macaulay hatchery in Juneau produces Chum, Chinook, Coho, and Rainbow Trout and the Snettisham Sockeye hatchery produces smolt and fry, as well as fish for the Pacific Salmon Treaty Transboundary River Program.

DIPAC was founded by Ladd Macaulay in 1976 on Douglas Island with 10M Pink salmon eggs, this program now produces Chum, Chinook, and Coho salmon since 1984, Sockeye since 1996, and Rainbow Trout since 2016. To date our facilities have released: 3 billion Chum, 17 million Chinook, 24 million Coho, and 146 million Sockeye salmon.



As a corporation DIPAC strongly supports the Hatchery/Wild Research Project and has donated \$2.2M to the project.

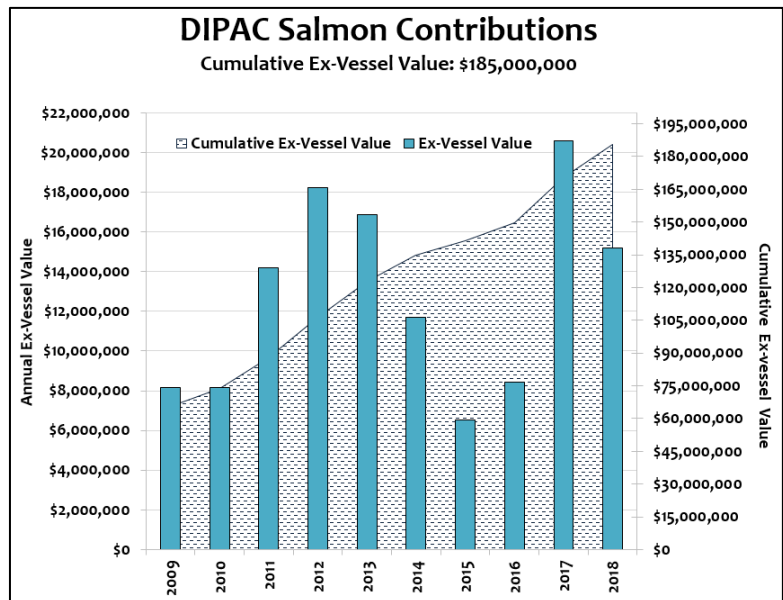
Benefits to Southeast Commercial Salmon Fisheries

Since 1979, we estimate that DIPAC salmon have provided:

- 40M fish to commercial fleets
- \$185M in ex-vessel value
- \$6M in Salmon Enhancement Tax

Chum salmon are the mainstay of our program and since 2009 have provided:

- 16M Chum to the gillnet fleet.
- The Special Harvest Area (SHA) at Amalga Harbor has generated 3M fish for the seine fleet since it first opened in 2012. This SHA continues to be a productive harvest site for seiners in Juneau and DIPAC continuously works with seine groups to allow opportunity for fishing access, additionally we strive to release the best quality fish from our other Terminal Harvest Areas at Limestone Inlet and Boat Harbor.



The Snettisham SHA, since 2000, has produced an average annual harvest of 30k and 45k Sockeye, inside and outside the SHA, respectively; this has resulted in a total harvest of 567k inside and 850k outside the SHA.



Fisheries Harvest Evaluation

- DIPAC conducts catch sampling of commercial and cost recovery vessels.
- We perform our own in-season analysis of otolith data to determine hatchery contribution to catch, as well as sex and age composition, which we share with other hatchery organizations and ADF&G for a better understanding of run size and marine survival.

Sportfishing Impacts

DIPAC's sportfish program has three main components: Chinook and Coho with an aim to bolster shoreline and boat angler harvest in the Juneau area, Sockeye stocking for personal use fisheries, and freshwater stocking of Rainbow Trout. We estimate that DIPAC returns of these species have generated \$1.6M in labor income between 2008 – 2012. Over the past 5 years we estimate that local sport anglers have harvested:



- 44,000 Coho
- 9,000 Chinook
- 17,000 Sockeye



Education and Outreach

Education is deeply imbedded in the core of DIPAC's mission statement.

- Since 2011 DIPAC has funded 44 scholarships, at the baccalaureate and vocational level, for a total of \$447k
- Started a UAF endowment fund for \$1.5M, to date two Masters students at the UAF College of Fisheries and Ocean Sciences have been awarded fellowships.



Educational programs in the Juneau school district:

- Fall Field Trip program for pre-k through fifth grade students to learn about salmon anatomy, life cycle, and ecology of the local environment.
- Spring Sea Week for second grade students are given a brief overview of the hatchery mission and operations followed by a specialized biology program
- High school Fish Tech program giving students hands-on hatchery work experience and funding of the Marine Studies Program (Dem Bones) for the skeletal reconstruction of marine mammals.



In 2018, DIPAC offered educational tours to over 4,000 students and community members, as well as welcoming approximately 77,000 tourists to explain the importance of salmon and how the hatchery supports sustainable fisheries in Alaska.

DIPAC is a proud supporter of the Tlingit and Haida people of Southeast with the recent additions of two totem poles recognizing the Eagle and Raven clans and DIPAC has been honored by being given the Tlingit name Xhaat Hidee or Salmon House.

