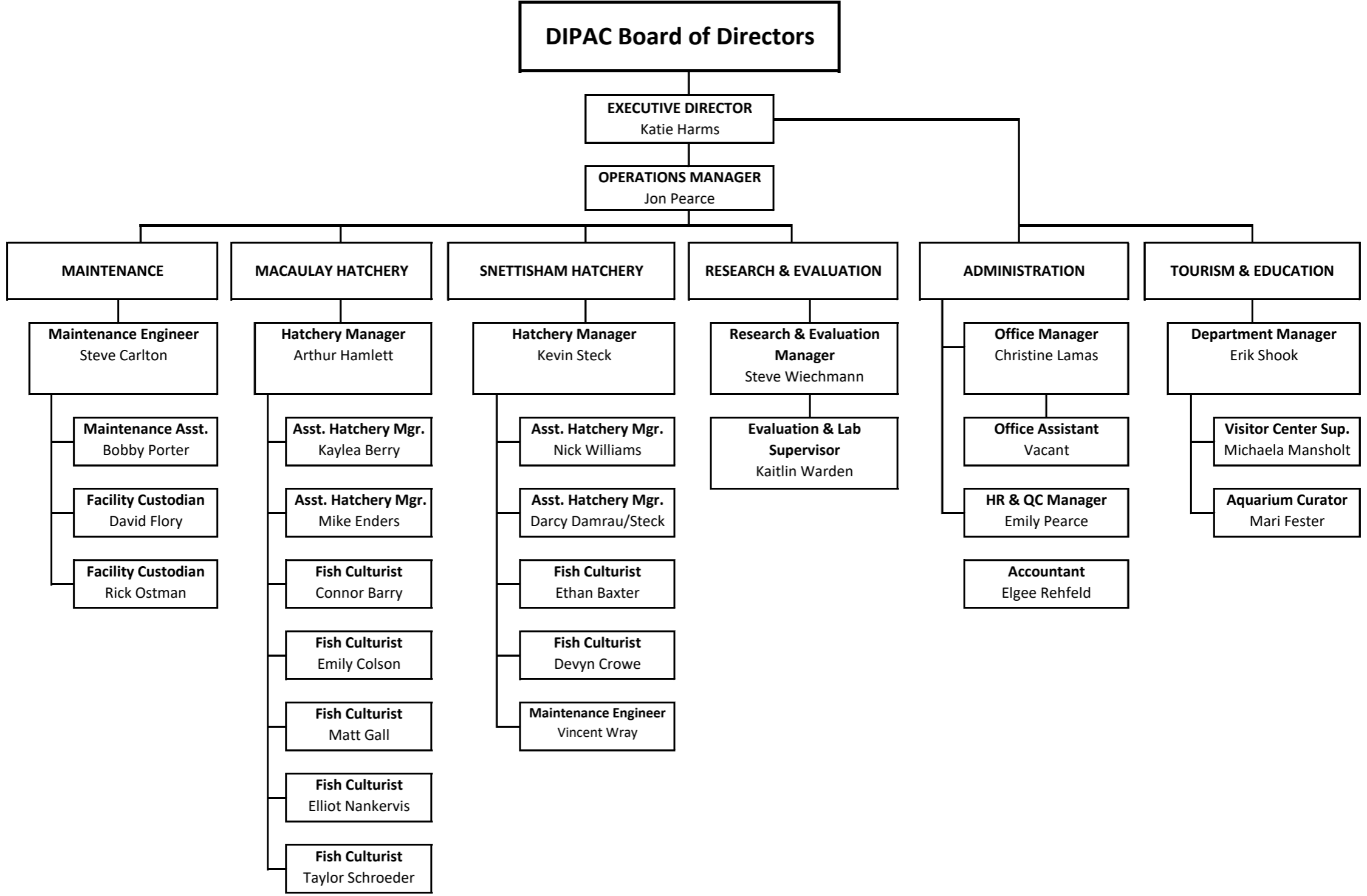


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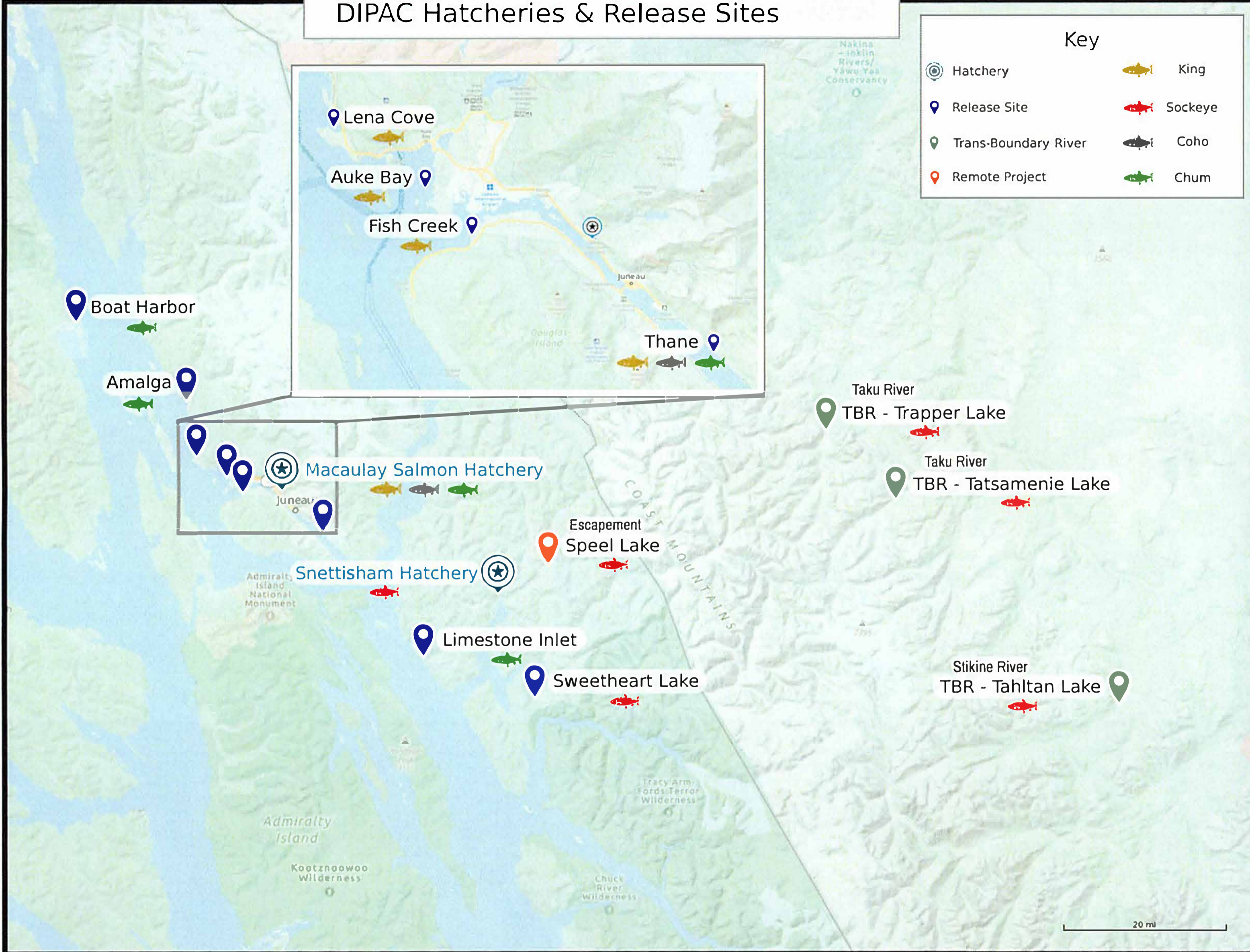
**Douglas Island Pink and Chum, Inc.
Organizational Chart March 2024**

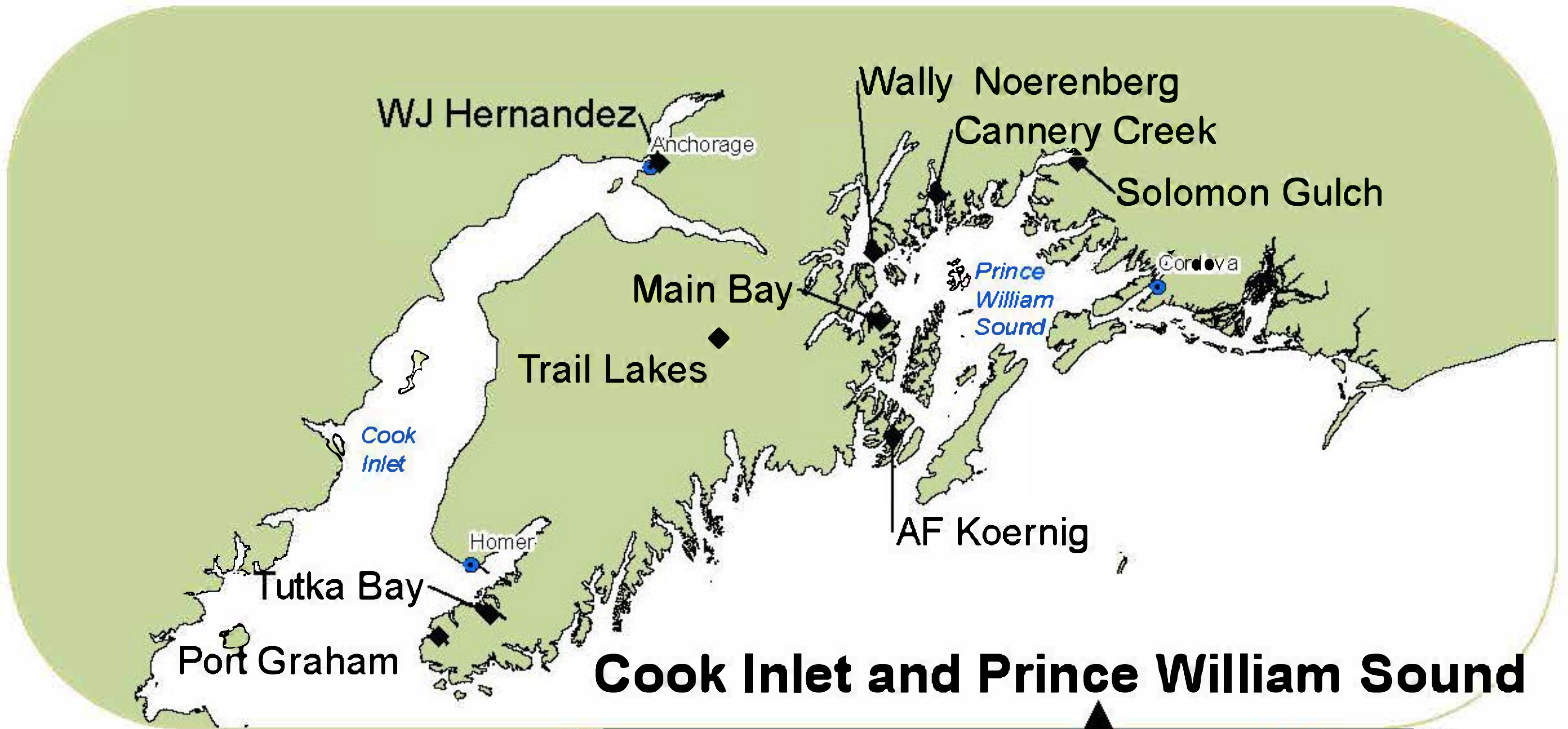


DIPAC Hatcheries & Release Sites

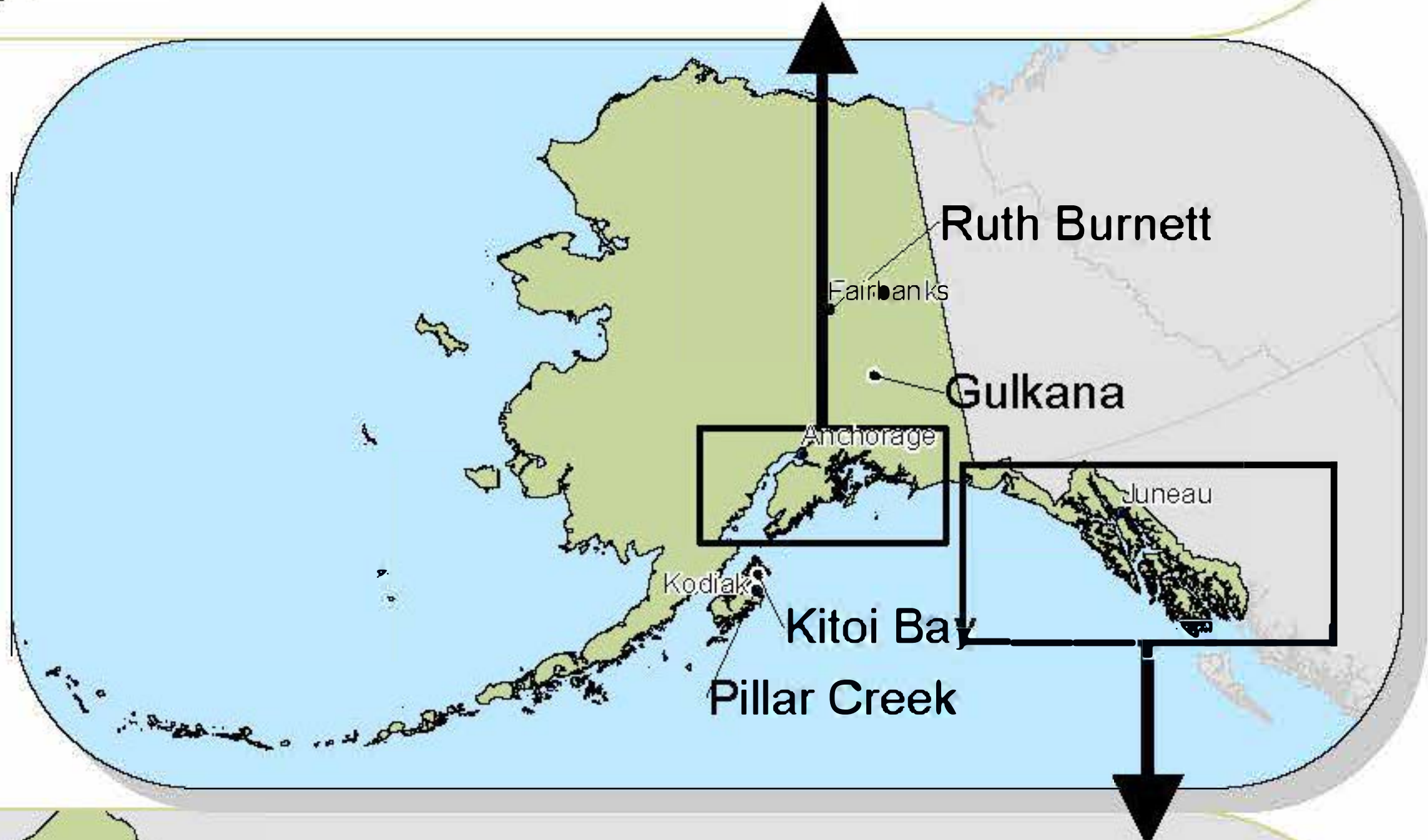
Key

- | | | | |
|---|----------------------|---|---------|
|  | Hatchery |  | King |
|  | Release Site |  | Sockeye |
|  | Trans-Boundary River |  | Coho |
|  | Remote Project |  | Chum |

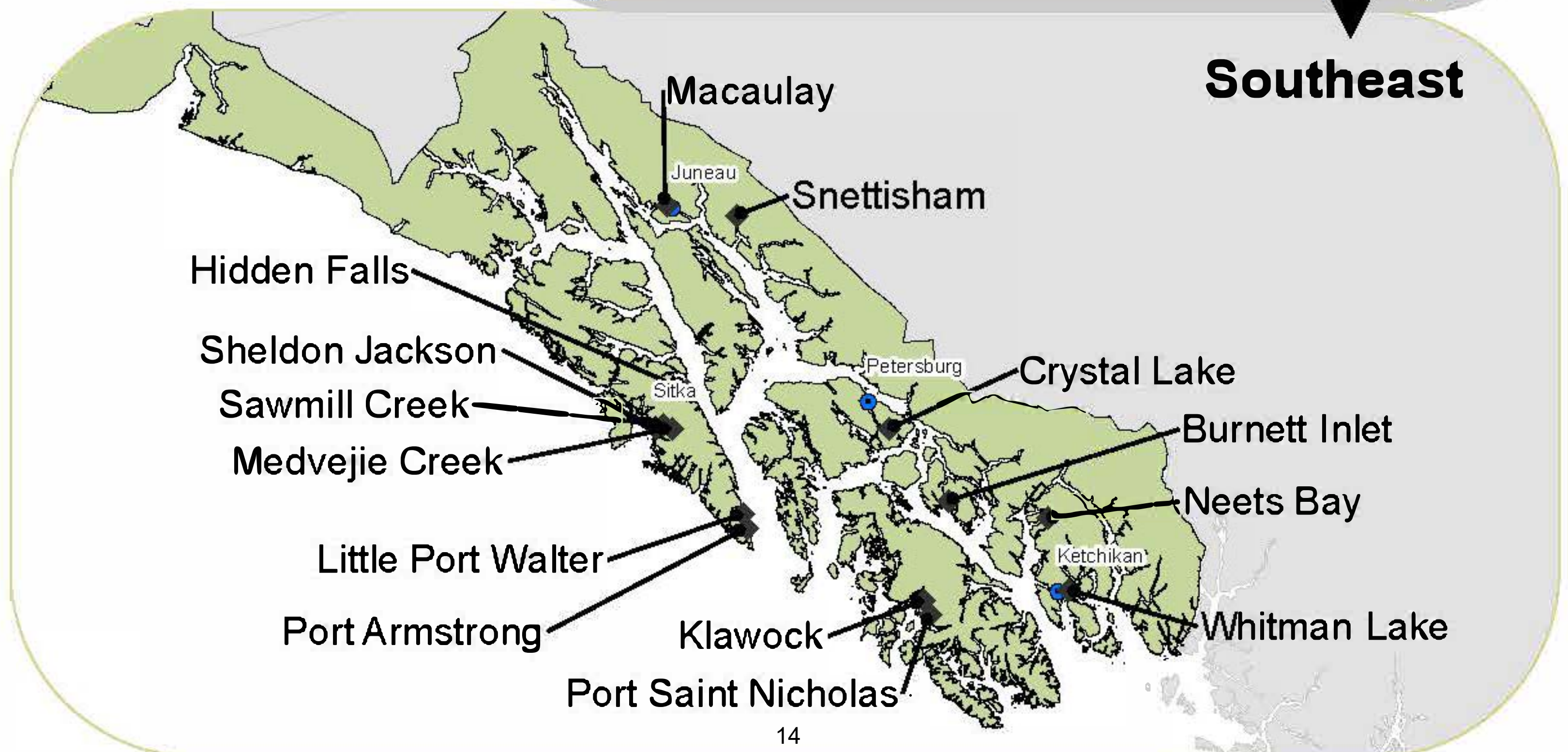




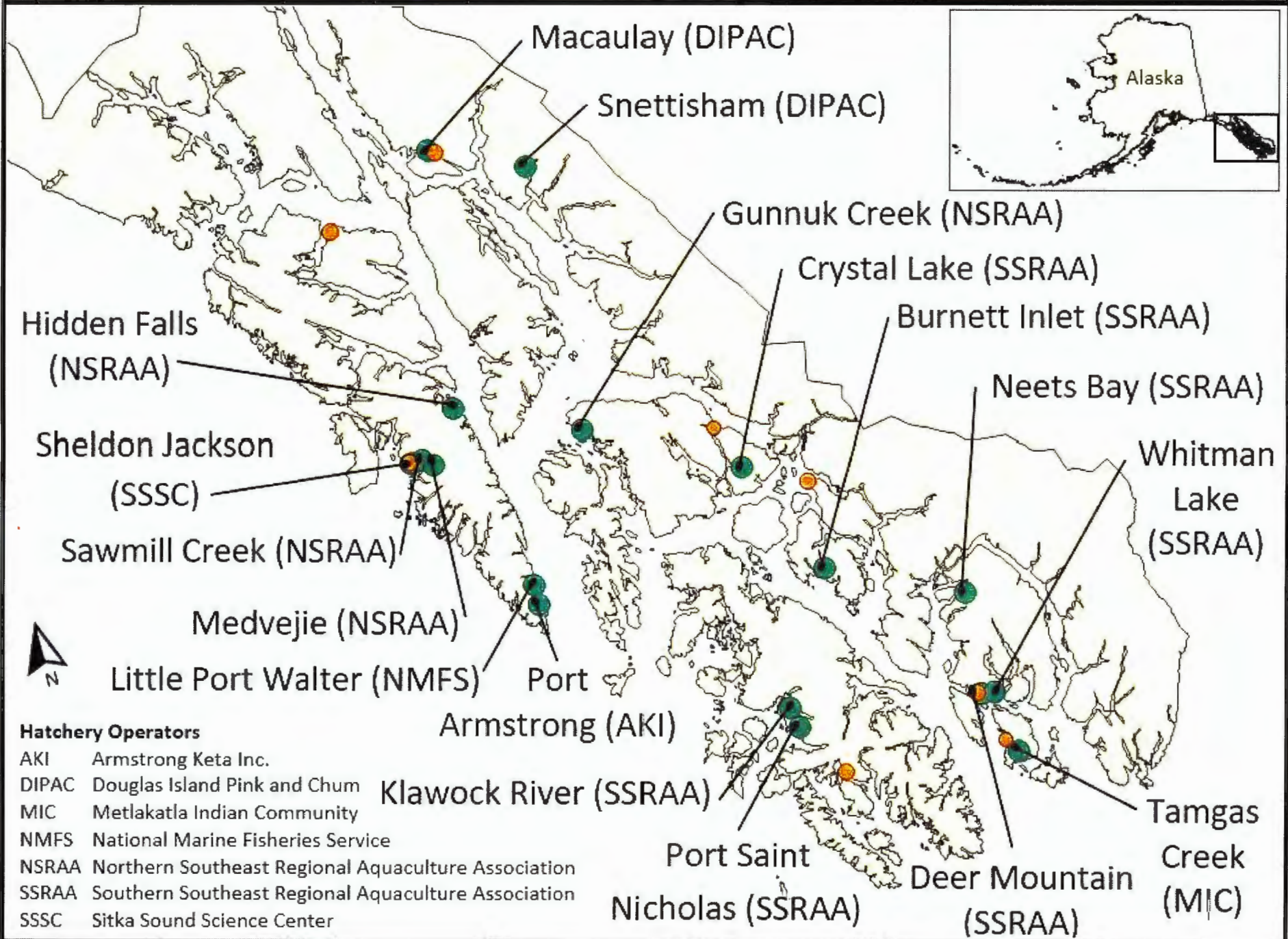
Locations of Alaska Hatcheries



Southeast



Locations of Hatcheries within Southeast Alaska



Macaulay Salmon Hatchery April 2024

Arthur Hamlett – Hatchery Manager

Overview

The production goals of the Macaulay Salmon Hatchery remain unchanged, and the hatchery staff will remain focused on achieving the best survivals possible. This year's chum saltwater rearing program is already well underway with all of our chum having been transported to their respective sites.

Production Narrative

Chum production goals and objectives for BY24 are the same as previous years. With an egg take goal of 135 million eggs and result in a fry release goal of 123 million. These fish will be divided among our five rearing sites, where the usual regular and late release strategies will be implemented.

King production is currently planned for full capacity for both BY23 and for the upcoming egg production for BY24. The Coho production for BY23 came up short of goal due to insufficient broodstock, but staff are planning for full production for the BY24 egg take.

2024 Spring Update

Water temperatures in 2023 stayed above historical average temperatures for the hatchery for most of the year. The freshwater temperatures at Macaulay were above average in late summer and slow to decline in the fall and resulted in an early start for BY23 chum ponding that tied the second earliest historical ponding date. With the first transfer to saltwater occurring on January 19th and the final transfer being completed March 11th, the transport season lasted just over 6 weeks.

We will continue taking care of the BY23 Chum salmon at all of the sites for the next few months. The crew is happy to report that the fish are eating well and the growth is starting to take off as temperatures and daylight continue to increase.

The BY22 Chinook and Coho have done very well over the winter. They are healthy and hungry as feed regimens have begun to increase for the spring grow-out period. Both species are currently about the average historical sizes for this time of year and staff is expecting saltwater entry within normal timeframes. See Table 1 for all current inventories for species to be released this spring.

The BY23 Chinook are doing well post ponding and the BY23 Coho continue to develop in their incubators, with ponding expected to happen this month. See Table 2 for current inventories.

Table 1. 2024 Current Rearing Populations (to be released this spring)

Program		Production		Current Production
Brood Year/Stock	Release Site	Goal	Lifestage	Populations
Chum				
BY23	MSH	12,000,000	Fry	11,070,000
	Thane	24,000,000	Fry	22,514,000
	Amalga Harbor	48,000,000	Fry	41,191,000
	Boat Harbor	24,000,000	Fry	20,493,000
	Limestone Inlet	15,000,000	Fry	11,233,000
	Total	123,000,000		106,501,000
Chinook				
BY22	MSH*	220,000	Smolt	219,000
	Thane*	200,000	Smolt	199,000
	Lena*	240,000	Smolt	193,000
	Fish Creek*	250,000	Smolt	250,000
	Auke Creek*	90,000	Smolt	90,000
	Total	1,000,000		951,000
Coho				
BY22	MSH*	300,000	Smolt	290,000
	Thane*	700,000	Smolt	1,000,000
	Total	1,000,000		1,290,000
*Current plan based on FW populations			Total Chum	106,501,000
			Total Chinook	951,000
			Total Coho	1,290,000
			Total All Species	108,742,000

**Table 2. Current Inventory Smolt Species
(to be released Spring of 2025)**

Chinook	Release Location	
BY23	MSH, Thane	
	Lena, Fish Cr	
	Auke Cr	1,174,000
Release Date	<i>May/June 2025</i>	
Coho	Release Location	
BY23 MSH	MSH	70,000
Coho		
BY23 Wild Fish Creek		<u>237,500</u>
	TOTAL COHO	307,500
Release Date	<i>May/June 2025</i>	

Snettisham Hatchery Spring Report April 2024

Kevin Steck – Hatchery Manager

Overview

The Snettisham and Transboundary River (TBR) stock programs for the upcoming year remains comparable to recent years. Even though most of the hatchery programs at Snettisham indicate little change, the hatchery staff will continue to follow strict protocols and time proven procedures to ensure that every one of the Sockeye enhancement programs is met with the highest success. The 2024 Snettisham smolt releases are on schedule to occur in early June. Continued operations of the Speel Lake adult Sockeye enumeration project will remain unchanged.

Production Narrative

Production goals for the BY24 Snettisham stock eggtakes remain unchanged with a release goal of 9.0M Sockeye smolt and 0.5 million fry allocated for release into Sweetheart Lake for the continuation of the personal use fishery at Sweetheart Creek. Collection of eggs from returning Snettisham Sockeye broodstock will begin late September and continue through mid-October of 2024 in order to achieve fry and smolt production goals for local commercial and personal use fishery enhancement. TBR eggtakes continue to follow predetermined Stikine Enhancement Production Plan (SEPP) and the Taku Enhancement Production Plan (TEPP) as developed by the joint US/Canada planning committees.

The Speel Lake adult Sockeye enumeration project will continue to operate between the months of July and September. Information and data gathered at the weir is essential for monitoring the stocks health and productivity as well as assisting ADF&G with the management of the District 111 commercial drift gillnet fishery.

2024 Spring Update

The scheduled release of 8.8M BY22 smolt from the hatchery is set to occur the first week in June. Both the BY23 Snettisham and TBR stocks began out-migrating in mid-March. By mid-May, all BY23 stocks are projected to be a 100% out-migrated and all fry transports completed by early June. The hatchery's current onsite inventory of BY23 Sockeye consists of 10.0M Snettisham Stock pre-emergent fry for the Smolt and Sweetheart Lake programs and a combined 3.9M BY23 pre-emergent Canadian stock fry allocated for the TBR lake enhancement program. See Tables 1 & 2 for current inventories.

As of April 1st there has been a total of 1.3M Snettisham Stock pre-emergent fry destroyed as a result of IHN. This includes 1.0 million pre-emergent fry allocated for the smolt program and 268K allocated for the Sweetheart Lake release.

Table 1. 2024 Current Rearing Populations (to be released this spring)

Program		Production		Current Production
Brood Year/Stock	Release Site	Goal	Lifestage	Populations
Sockeye US				
BY22	Speel Arm	9,000,000	Smolt	8,845,000
BY23	Sweetheart Lake	500,000	Fry	240,000
	Total	9,500,000		9,085,000
Sockeye TBR				
BY23	Tahltan Lake*	-	Fry	1,905,000
	Tatsamenie Lake*	-	Fry	1,493,000
	Trapper Lake*	-	Fry	528,000
				3,926,000
* Goals directed annually by the Transboundary River Panel TEPP & SEPP				
Total Sockeye Release				13,011,000

Table 2. Current Inventory BY23 Domestic Sockeye (to be released Spring of 2025)

Sockeye	Release Location	
BY23	Snettisham	9,883,000
Release Date	<i>May/June 2025</i>	

DIPAC Cost to Value Comparison: FY24 & Projected FY25

April 2024

Steve Wiechmann - Research & Evaluation Manager

Introduction

This financial analysis is provided to the Board of Directors as a tool to be used in the assessment of the financial success of our enhancement programs in comparison to the cost of running those programs.

Cost & Value Estimates

This analysis provides a snapshot of DIPAC's salmon enhancement programs with respect to fry and smolt production, adult returns, and ex-vessel value of DIPAC-produced fish for both the current fiscal year and projections for the coming year. Project costs are based on the approved FY24 and proposed FY25 budgets, and are broken out by species and release site. Projects included in the analysis are those funded by DIPAC cost recovery revenues; specifically, chum, coho, Chinook, and sockeye (domestic releases). Excluded from these analyses are TBR sockeye as well as tourism costs and revenue.

Adult salmon production for FY24 (number, poundage, and value of fish harvested in commercial and cost recovery fisheries) were based on actual results from the 2023 harvest season. Projected numbers of salmon for FY25 were taken from the 2024 forecast, and the estimated value of next year's returns were based on an assumed price for commercial fisheries and the projected cost recovery revenues for FY25.

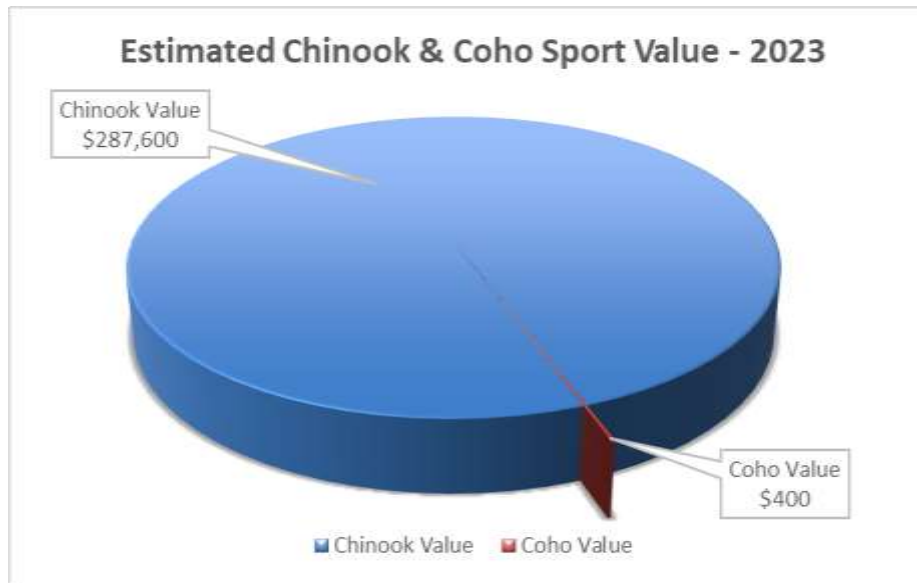
Analysis & Results

The approach of this analysis is to compare the value of adult returns to the costs of production for fry and smolt. For each comparison, two ratios were calculated: the first calculation compares the value of DIPAC-produced salmon at the commercial level (i.e., ex-vessel value of the commercial harvest) to project costs and the other is the total value of the production (i.e., commercial + cost recovery) compared to the project costs (Table 1).

FY24

For the current fiscal year, the total value of DIPAC salmon harvested during the 2023 season plus contract revenue this fiscal year fell just short of the FY24 operating costs. The total cost recovery value was \$5.27 million compared to \$5.34 – the total cost of all DIPAC programs (not including TBR sockeye, sportfish Chinook, or tourism). Additionally, the total cost recovery value for chum was \$5.1 million compared to the program's cost of \$3.2 million. The 2023 return produced a total value of \$12.9 million (commercial + cost recovery), with grant revenue for the Chinook project providing \$350,000 in program funding. The majority of the value (97%) was from the harvest of DIPAC chums (\$12.5 million, commercial + cost recovery), being our largest most productive program, with a value-cost ratio of 3.9. The sockeye and coho programs had value-cost ratios <1.0.

There was no cost recovery value for coho with a meager 350 total fish to the rack and an estimated 30 sport caught coho; additionally, there were an estimated 4,400 sport caught Chinook. The estimated value of sport caught Chinook and coho is shown in the below figure. These estimates do not account for the cost of fishing licenses, charter wages, and other goods and services that generate revenue. These values are calculated using the total sport catch, average weights throughout Southeast or at the MSH rack, and the 2022 Commercial Fisheries Entry Commission’s average price per pound. The total value for both species in 2023 was estimated at \$288,000.



FY25

Projections for FY25 are expected to have a total cost recovery cost-value ratio of 1.4 and a sum total cost-value ratio of 1.7 (Table 2). The chum forecast of 3.6 million is well above the 10-year average of 2.6 million and represents a significant turnaround from DIPAC’s lowest return since Macaulay Hatchery was built, just 4 years ago. The Chinook return is expected to be very low this year, owing to the 5y.o. cohort’s release before osmocompetence during the AEL&P pipeline disaster. Just 560 large adults (5-7y.o.) are expected to return. The sockeye return (129,600) is expected to be lower than average (153,900), but still larger than the previous 4 years of returns. Coho are expected to return in greater numbers (46,400) this year due to higher predicted marine survival than the previous two broodyears (both affected by the pipeline), and DIPAC’s largest ever smolt release (1.35M). This large release of coho was made possible due to a broodstock shortfall of Chinook for BY21. These FY25 results may vary significantly from the projections due to numerous factors that can influence marine survival, average size, and ex-vessel price.

**DOUGLAS ISLAND PINK & CHUM
FY24 COST & VALUE COMPARISON**

Table 1

Comparison of Actual Costs & Value of DIPAC Salmon Produced in FY24

Hatchery/Species/Program	Project Cost	Commercial Value	Cost Recovery Value	Total Value	Commercial Value:Cost	Total Value:Cost
Macaulay						
Chum						
Amalga/Boat Harbor	\$ 1,883,000	\$ 4,471,000	\$ 4,056,000	\$ 8,527,000	2.4	4.5
Gast. Ch./Limestone In.	\$ 1,311,000	\$ 2,829,000	\$ 1,091,000	\$ 3,920,000	2.2	3.0
	\$ 3,194,000	\$ 7,300,000	\$ 5,147,000	\$ 12,447,000	2.3	3.9
Coho	\$ 546,000	\$ 9,000	\$ 1,000	\$ 10,000	0.0	0.0
Chinook *	\$ 329,000	\$ 24,000	\$ -	\$ 24,000	0.1	0.1
Macaulay Total	\$ 4,069,000	\$ 7,333,000	\$ 5,148,000	\$ 12,481,000	1.8	3.1
Snettisham						
Sockeye *	\$ 1,269,000	\$ 255,000	\$ 123,000	\$ 378,000	0.2	0.3
Snettisham Total	\$ 1,269,000	\$ 255,000	\$ 123,000	\$ 378,000	0.2	0.3
DIPAC Total	\$ 5,338,000	\$ 7,588,000	\$ 5,271,000	\$ 12,859,000	1.4	2.4

*Supported by outside contract revenues.

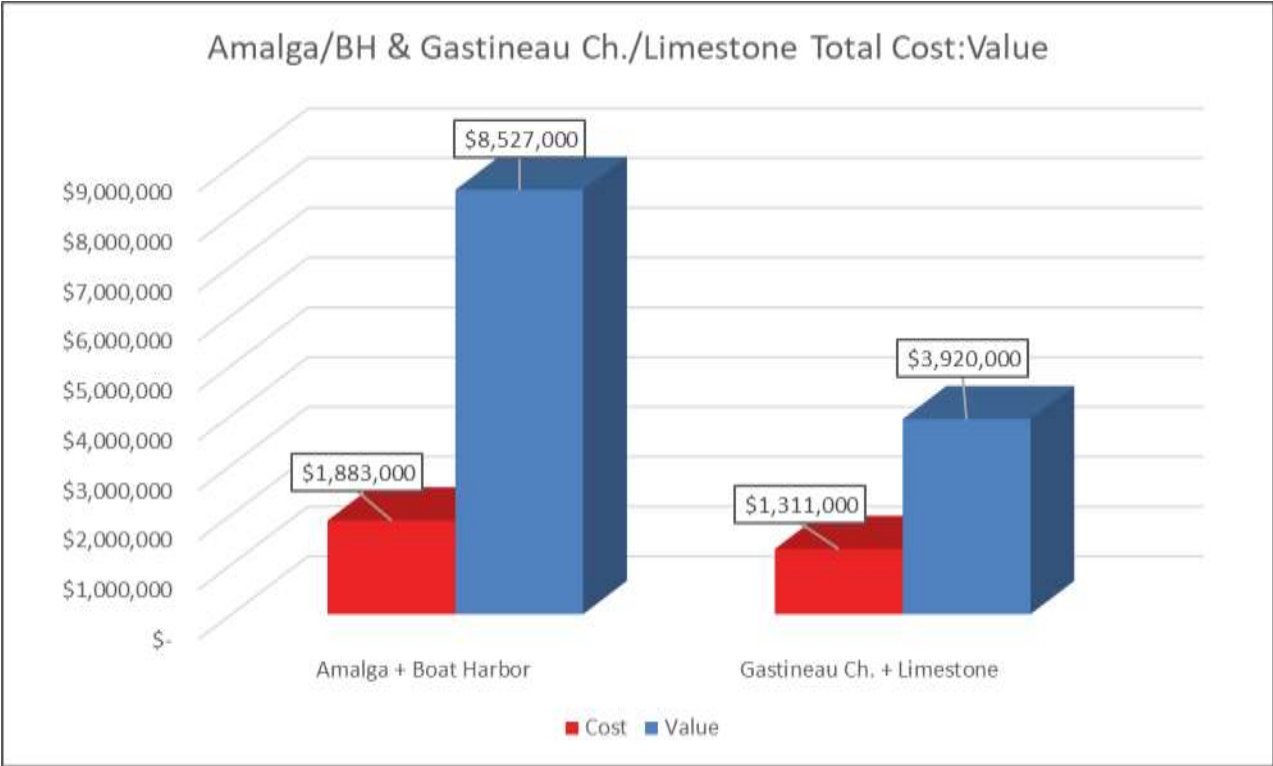


Table 1 Figures (FY 24).

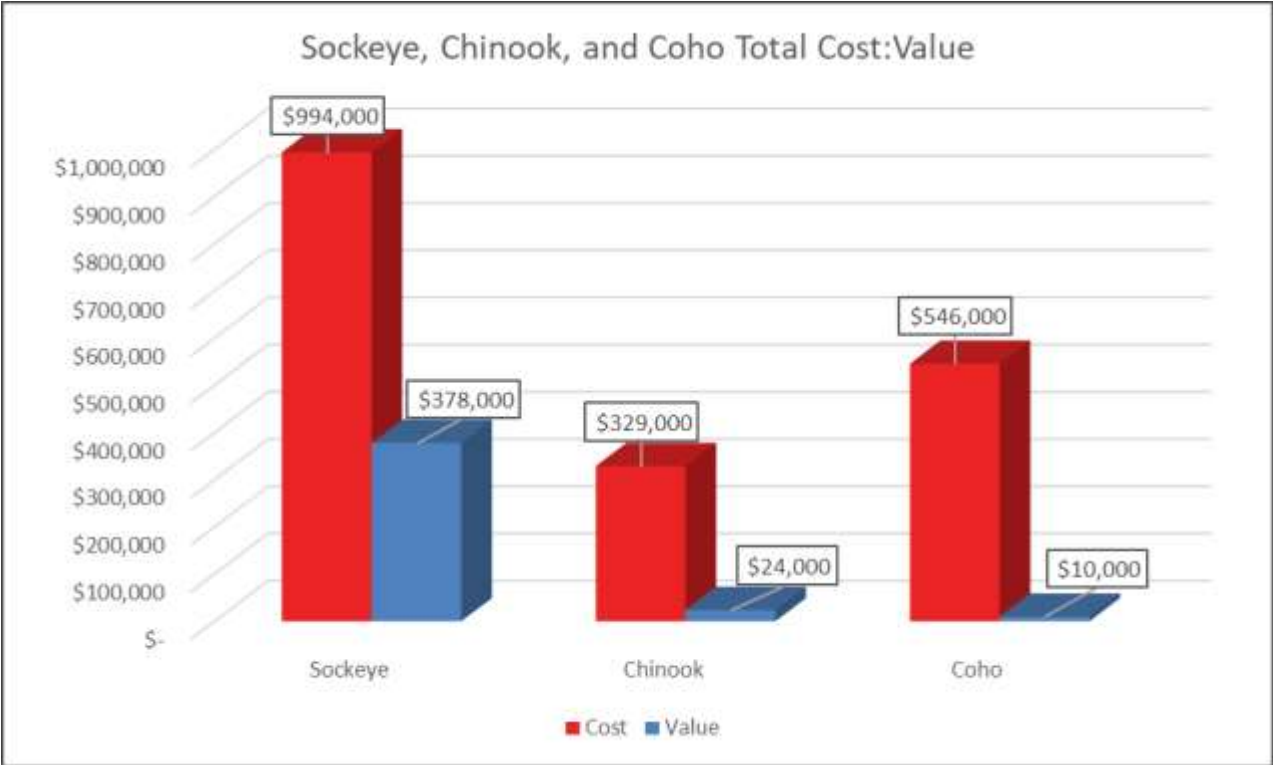


Table 1 Figures continued (FY 24).

**DOUGLAS ISLAND PINK & CHUM
FY25 COST & VALUE COMPARISON**

Table 2

Comparison of Projected Costs & Value of DIPAC Salmon Expected in FY25

Hatchery/Species/Program	Project Cost	Commercial Value	Cost Recovery Value	Total Value	Commercial Value:Cost	Total Value:Cost
Macaulay						
Chum ⁺						
Amalga/Boar Harbor	\$ 1,927,000	\$ 2,780,000	\$ 3,125,000	\$ 5,905,000	1.4	3.1
Gast. Ch./Limestone In.	\$ 1,368,000	\$ 1,637,000	\$ 1,369,000	\$ 3,006,000	1.2	2.2
	\$ 3,295,000	\$ 4,417,000	\$ 4,494,000	\$ 8,911,000	1.3	2.7
Coho	\$ 519,000	\$ 211,000	\$ 124,000	\$ 335,000	0.4	0.6
Chinook	\$ 649,000	\$ 9,000	\$ -	\$ 9,000	0.0	0.0
Macaulay Total	\$ 4,463,000	\$ 4,637,000	\$ 4,618,000	\$ 9,255,000	1.0	2.1
Snettisham						
Sockeye *	\$ 1,295,000	\$ 400,000	\$ 270,000	\$ 670,000	0.3	0.5
Total	\$ 5,758,000	\$ 5,037,000	\$ 4,888,000	\$ 9,925,000	0.9	1.7

⁺Based on a 70:30 (CP:CR) harvest share goal.

*Supported by outside contract revenues.

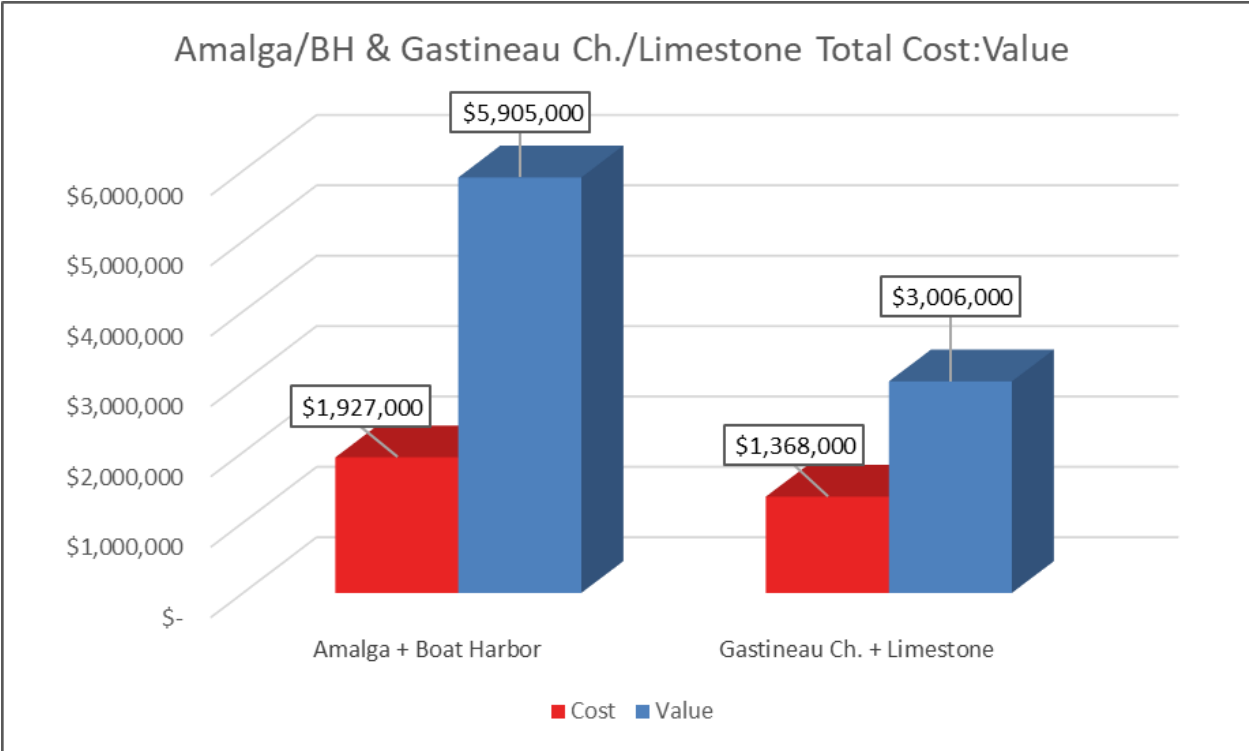


Table 2 Figures (FY 25).

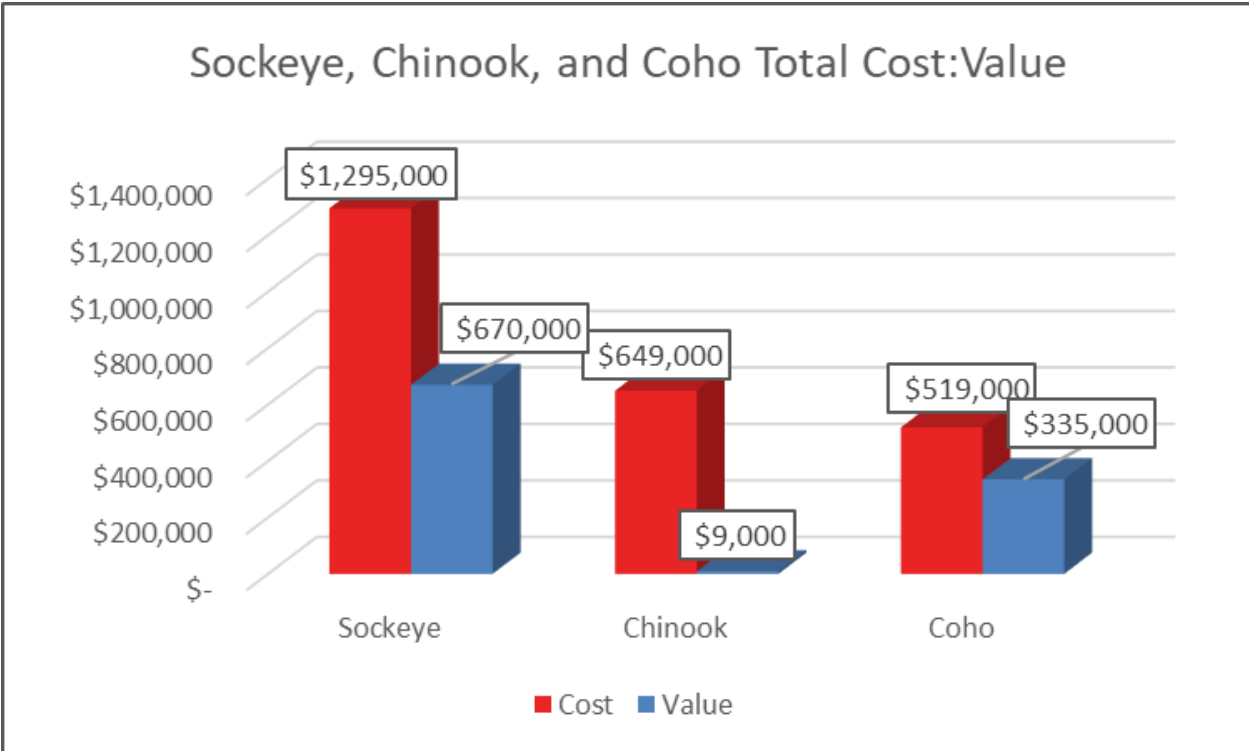


Table 2 Figures continued (FY 25).

Tourism & Education Department Report

April 2024

Erik Shook - Tourism & Education Manager

Summer Outlook

The Ladd Macaulay Visitor Center (VC) will open for the summer season on April 28th. Forecasts estimate that Southeast Alaska can expect to see 1.7 million cruise ship passengers. I worked with tour operators who frequently visit DIPAC, and we've arranged multiple guide training opportunities for their staff in late April through mid-May. Our admission prices were successfully negotiated from \$5/adult to \$7/adult for the 2024 season, and we have been busy ordering merchandise to fill our gift shop. We're looking forward to a busy season of educating guests and selling salmon merchandise.

At the time of writing this report, we have a handful of both new and returning Visitor Center staff for this upcoming summer. Over the next month I'll be looking to hire a few more to complete our summer crew.

Education and Community Outreach

At the time of writing this report, preparations for the spring Sea Week program are in full swing. This year's program will run from April 1st – April 11th. Interest has stayed strong and we have fourteen classes attending the program. Since December, Department staff have participated in multiple school "Science Nights" and have led hatchery tours for locals, and visitors to Juneau.

Alaska Wild Salmon Day is set for August 10th again this year. Free admissions will be offered to anyone with a valid Alaska ID, and we will have sales on all salmon product in the gift shop. Locals tours will be given by DIPAC's permanent staff and offered throughout the day. We will advertise this event to the public closer to its date.

Project Updates

Some areas of the previously presented Visitor Center Upgrades Master Plan are being updated, while maintaining the original concept of creating a greater salmon learning space for all of our visitors. Over the winter, we removed the small aquariums, and updated the space with new flooring as well as new displays. We are working on the design and cost to incorporate a new, permanent touch tank and small aquarium system so this winter's updates can be a promising first phase in a project that can continue as funds become available. We will have an update for the Tourism, Public Relations and Education Committee in the fall, ahead of the next board meeting.