



2025 Salmon Season

RETURNS - VALUE - ALLOCATION

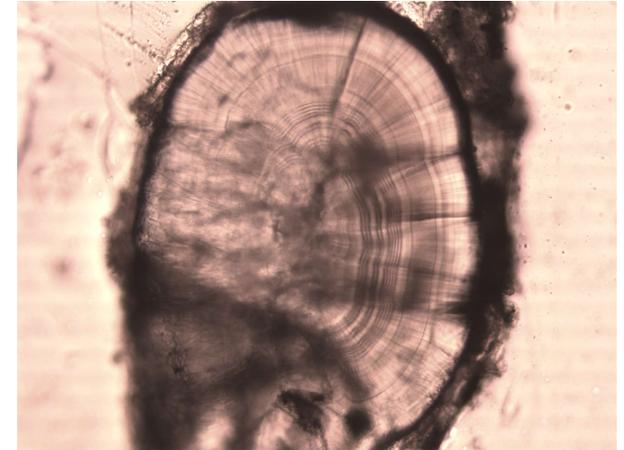
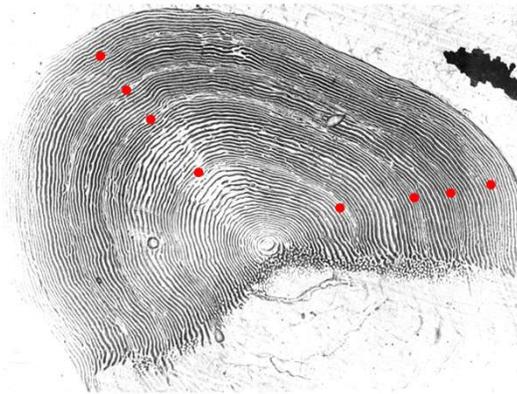
REMINDER: Where we get our information

2025 Evaluation Sampling:

Over 23,000 (adult) fish
sampled

6-months of collection

6-weeks of analysis



Season in a Nutshell



“Why can’t things
just be normal?”

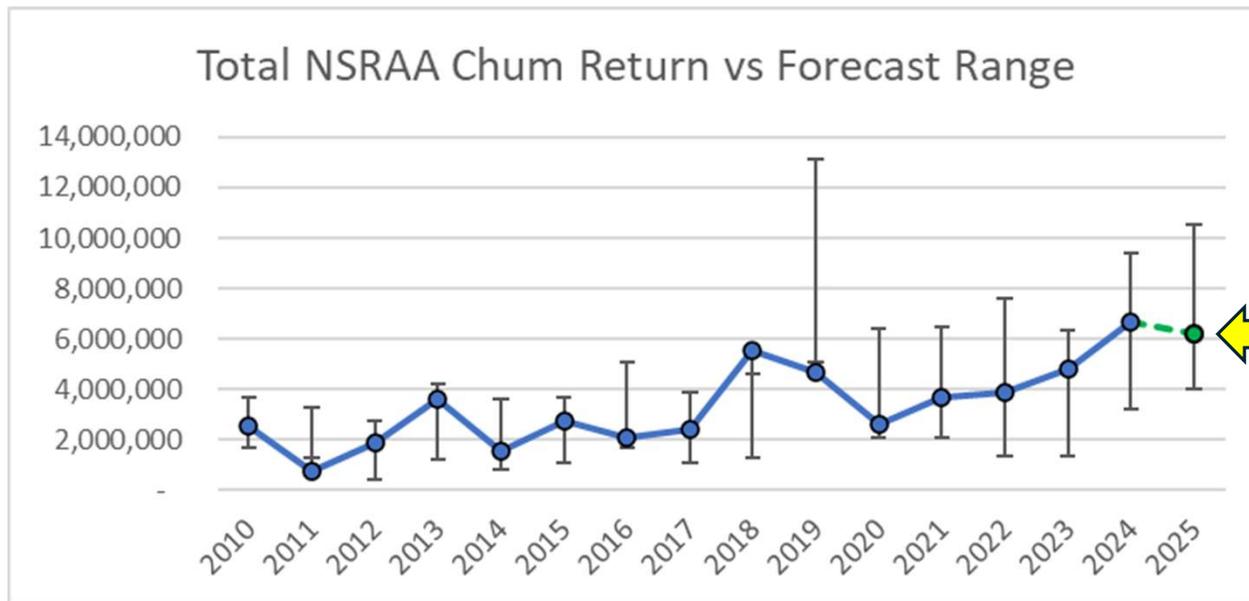


© Tim Knepp

2025 Chum Returns

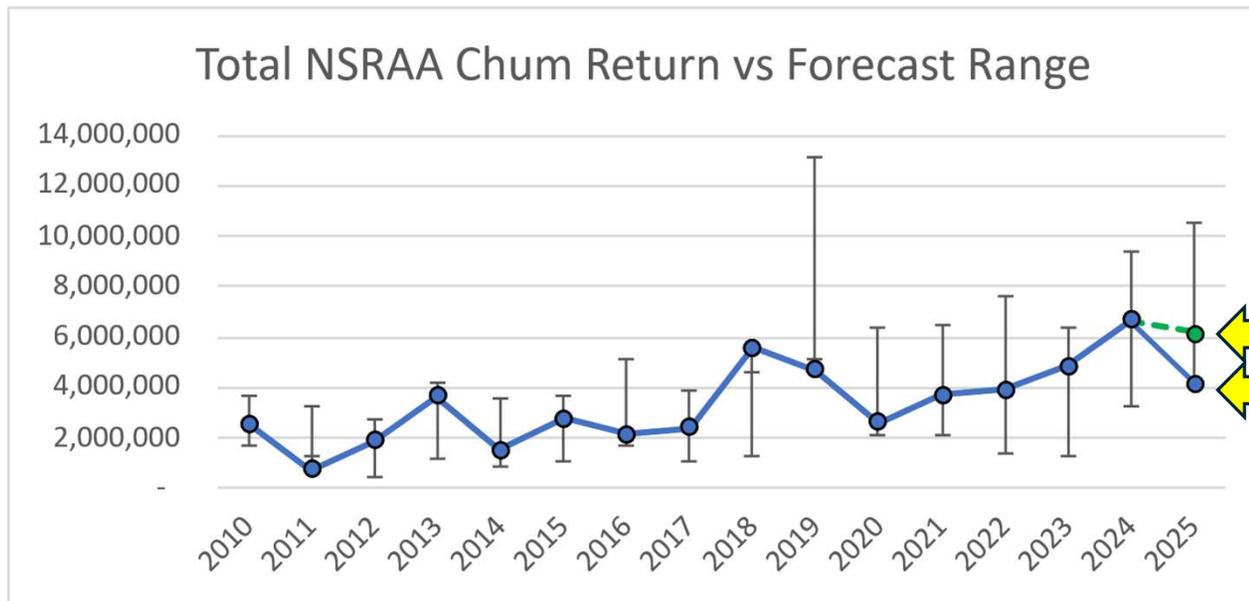
2025 - Forecast to Actual

Forecast: 6,177,000



2025 - Forecast to Actual

Actual: 4,241,579



69% of Forecast

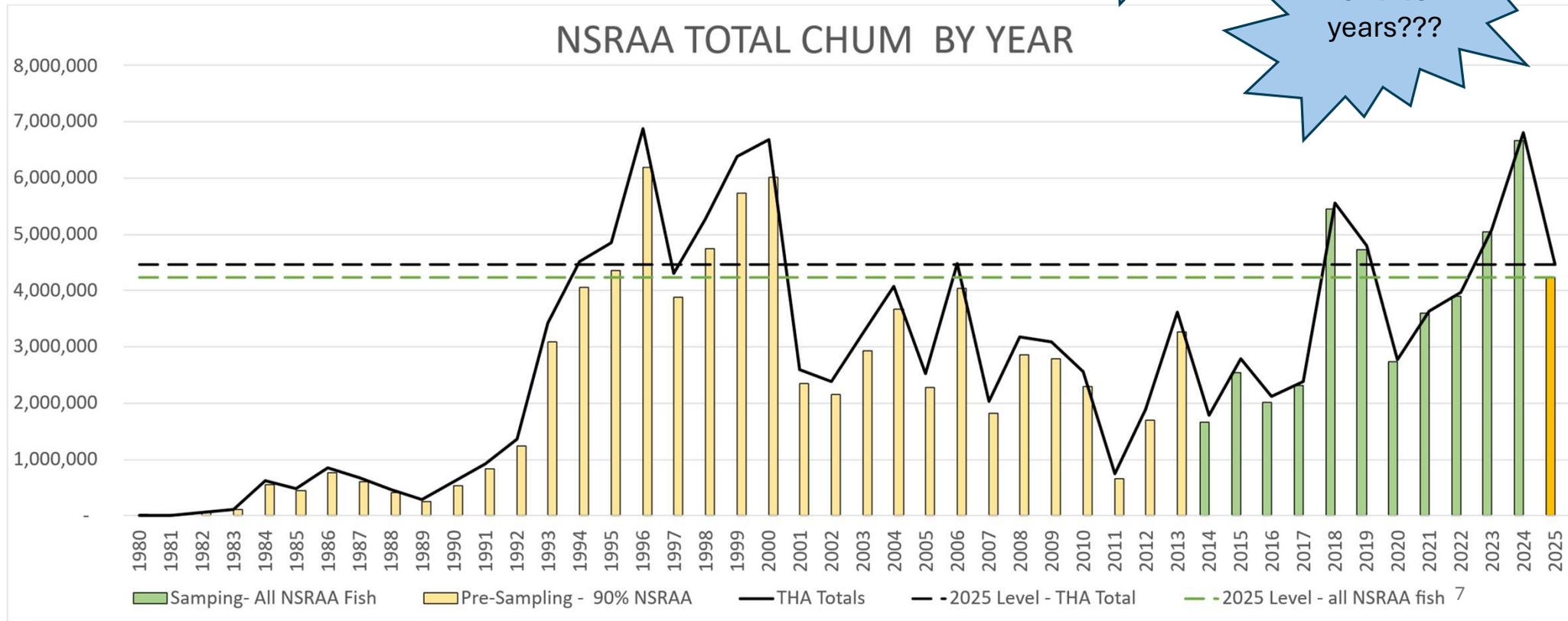
105% of "low" Estimate

SOME HISTORICAL CONTEXT...

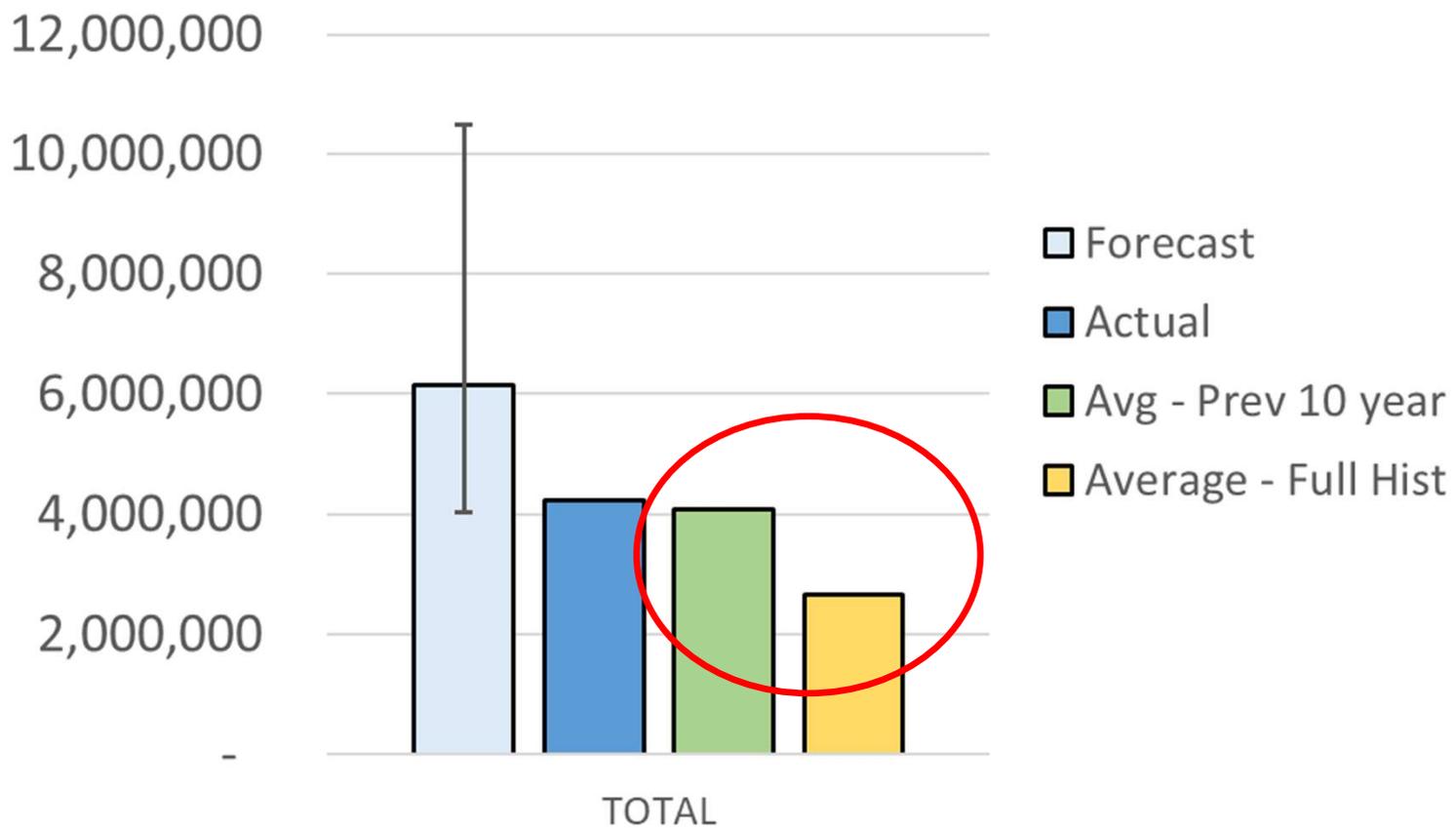
4.2 million chums

13th / 46 years

9th / 46 years???



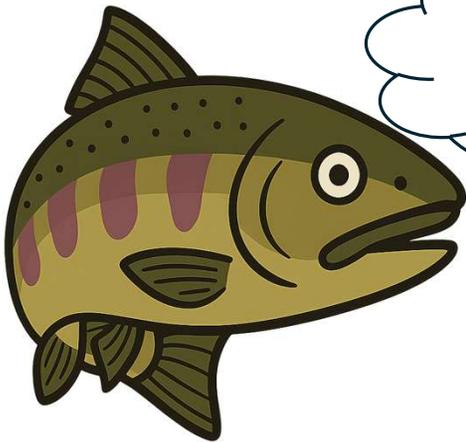
2025 Forecast to Actual - NSRAA Chum



On one hand...



- Historically “decent” return
- Fell “within” forecast range



Well, that's all the
GOOD news...

4.2 million chums

On the other hand...



- Nearly 2 million fish **LESS** than expected
 - CR shortfall
 - Historically low harvest share for CPH
- Anomalies in survival and age structure across multiple brood years
- We release a **LOT** more fish these days...

2025 Chum Return

4,241,579

Let's take a closer look...

BY STOCK

	Forecast	Return	% of forecast
Summer	4,285,000	2,413,367	56%
Fall	1,892,000	1,828,211	97%
	6,177,000	4,241,579	69%

Stock Return vs Forecast



BY AGE

Age	Forecast	Return	% of Forecast
3	1,157,000	514,837	44.5%
4	3,997,000	3,366,729	84.2%
5	1,002,000	348,354	34.8%
6	18,000	11,658	64.8%
TOTAL	6,174,000	4,241,579	68.7%

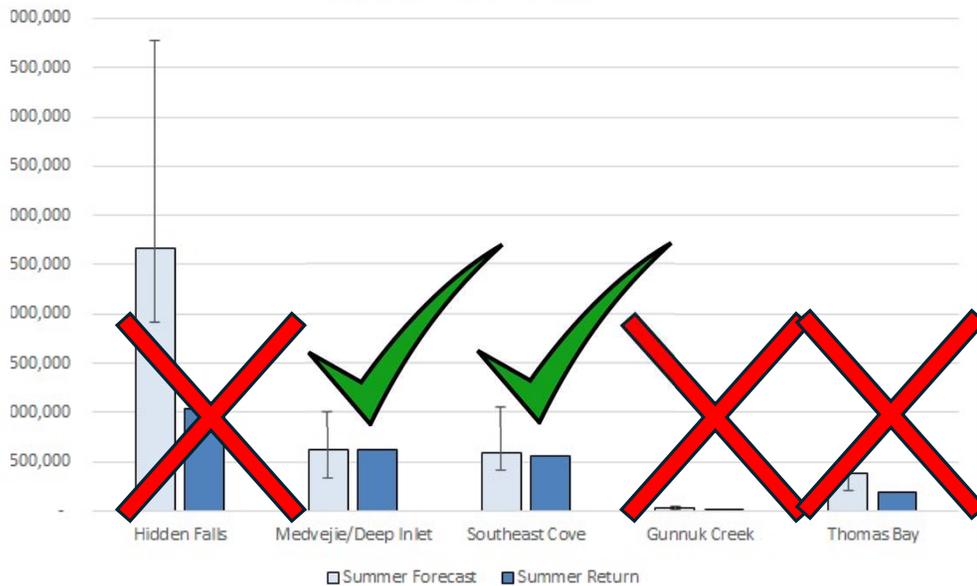
Forecast to Actual - By Age



Summer

	Summer Forecast	Summer Return	% of forecast
Hidden Falls	2,666,000	1,030,813	39%
Medvejie/Deep Inlet	621,000	615,647	99%
Southeast Cove	587,000	563,009	96%
Gunnuk Creek	32,000	15,104	47%
Thomas Bay	379,000	188,795	50%
	4,285,000	2,413,367	56%

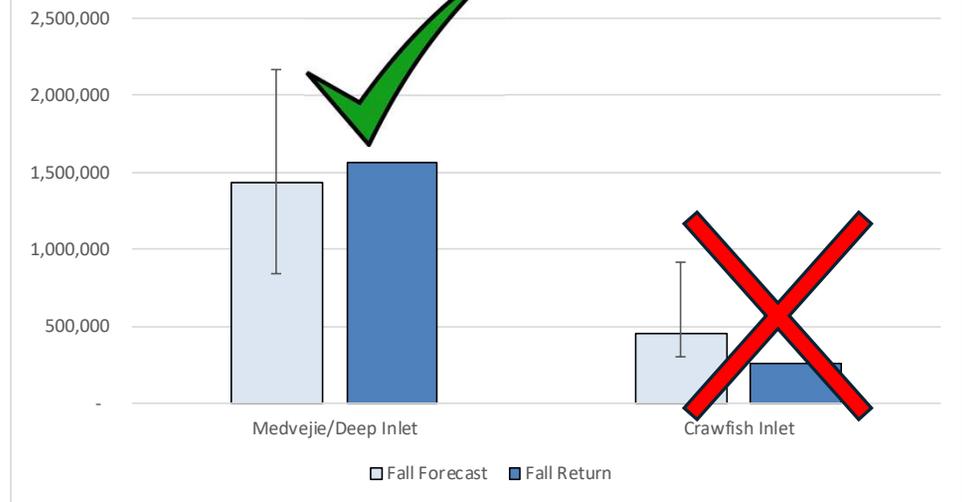
Summer Return vs Forecast



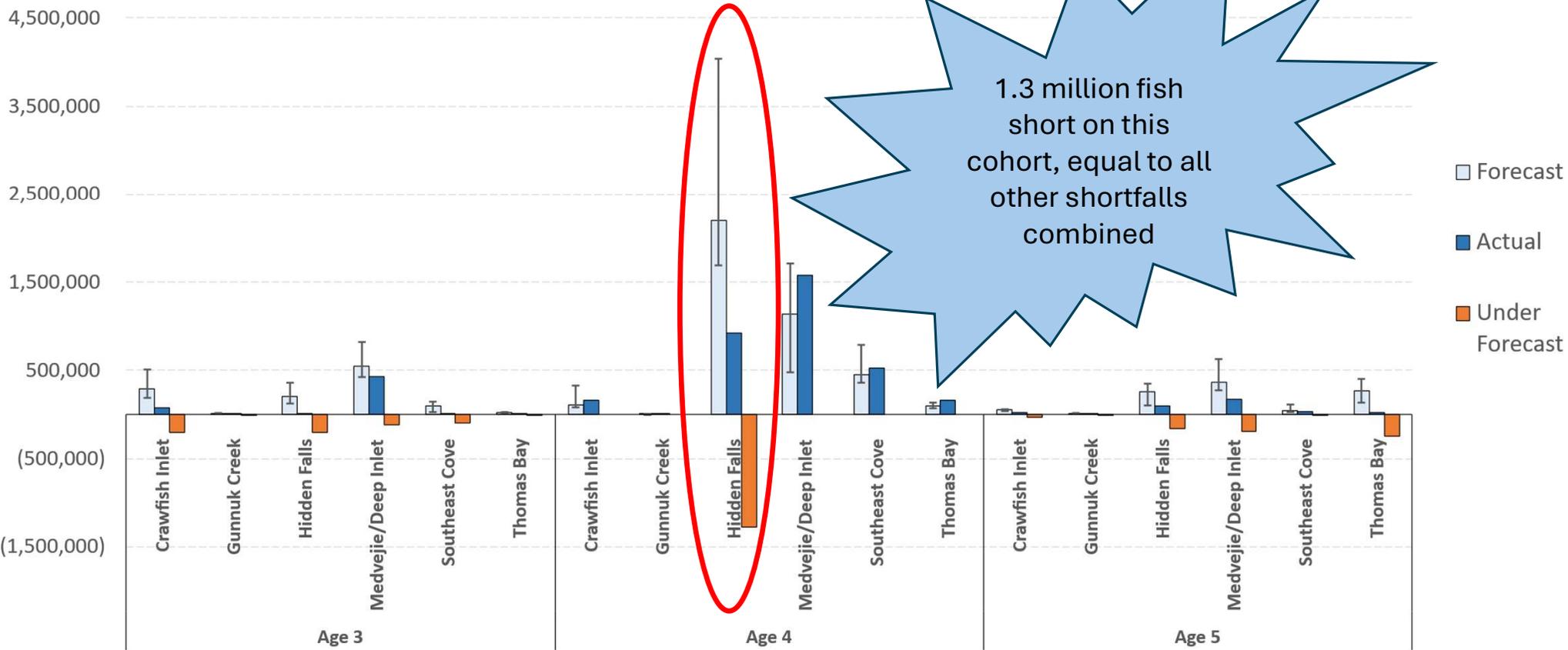
Fall

	Fall Forecast	Fall Return	% of forecast
Medvejie/Deep Inlet	1,438,000	1,565,851	109%
Crawfish Inlet	454,000	262,360	58%
	1,892,000	1,828,211	97%

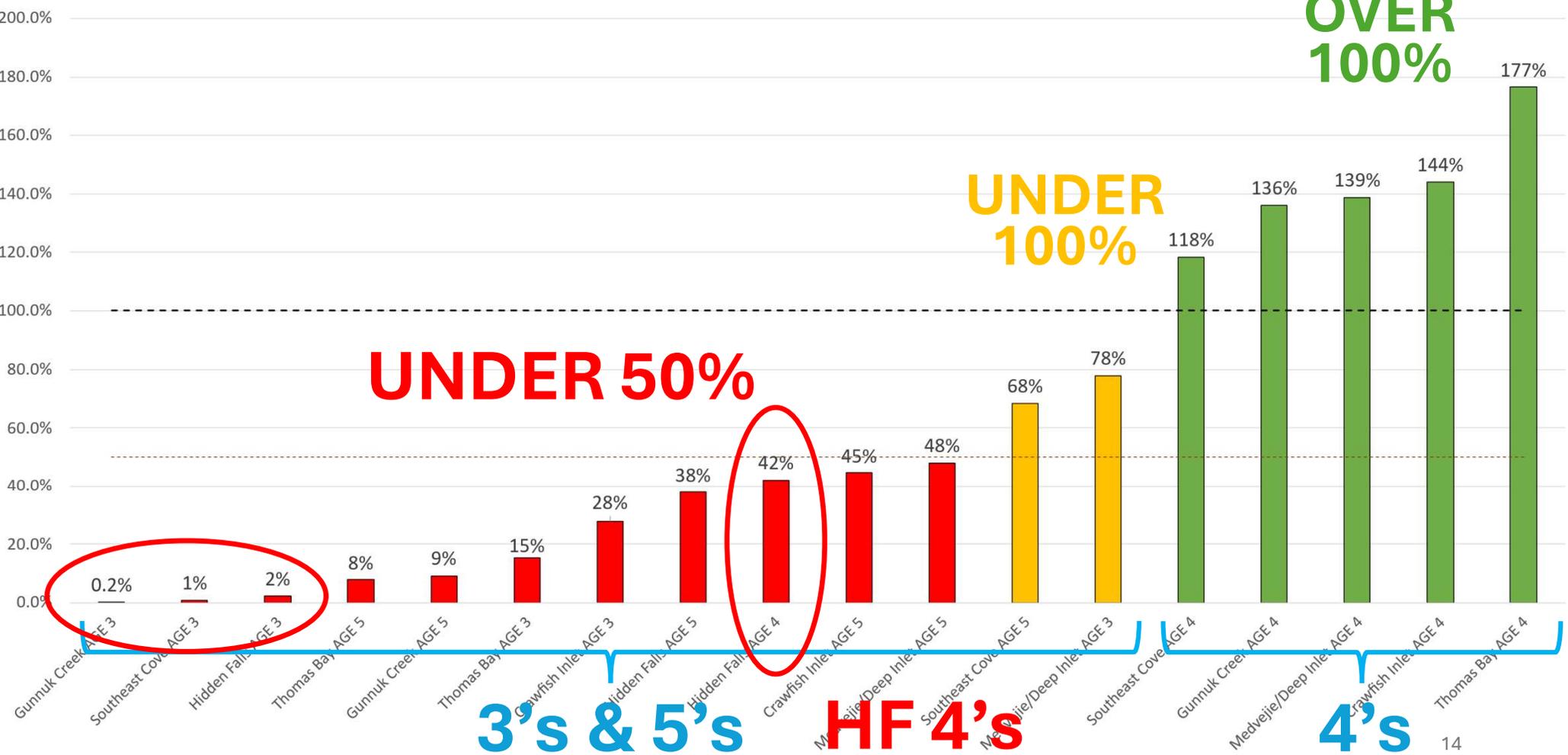
Fall Returns vs Forecast



Forecast to Actual - Age/Site



2025 Chum Returns - Percent of Forecast by Age/Project



UNDER 50%

UNDER 100%

OVER 100%

3's & 5's

HF 4's

4's

2025 Chum Return

Hidden Falls 4's

Let's talk about it...

2025 Forecasts – Hidden Falls Case Study

When forecasting age 4's...

- 10 + indicators that are considered
 - Most have to do with observed ratios of age 4:3 in past years

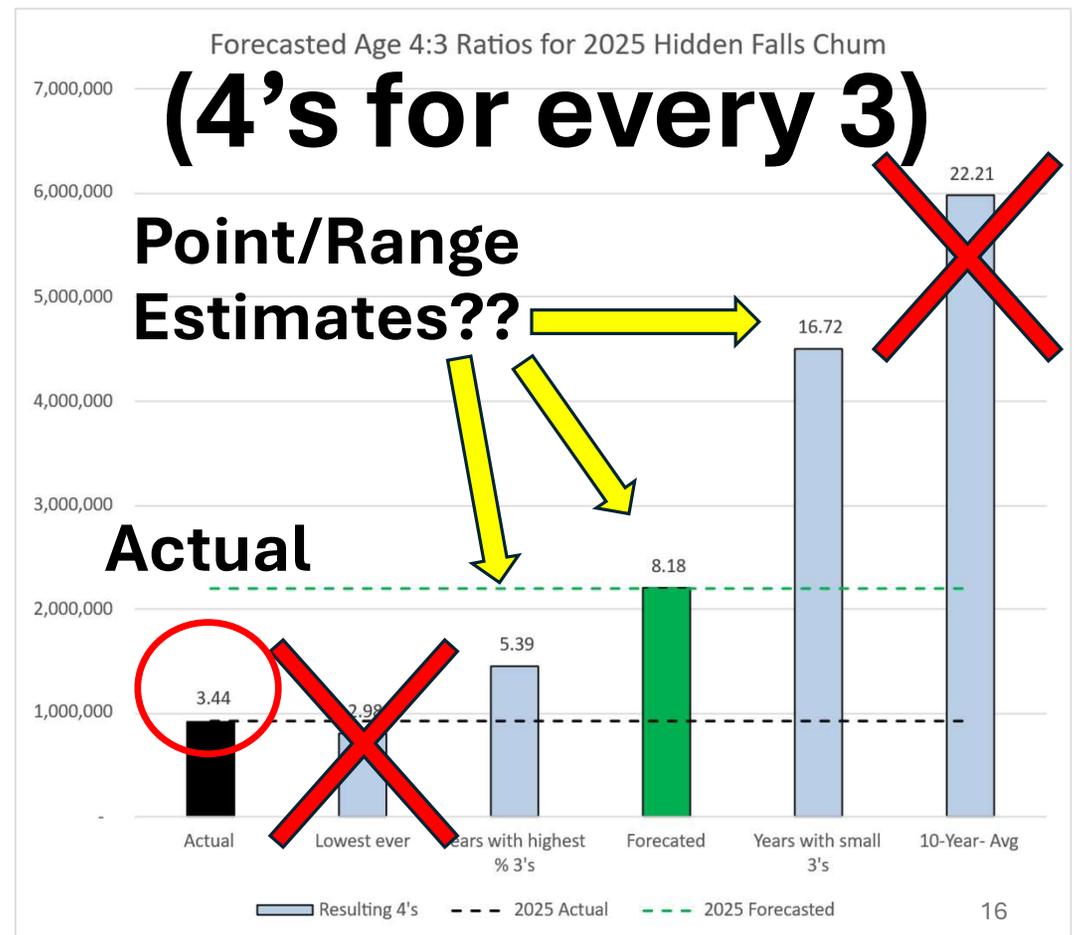
What estimate do we use?

Avoiding excessively wide forecast ranges...

(i.e. best- and worst-case scenarios)

Chose more moderate range and point

SAW THE WORST-CASE SCENARIO...



DIPAC vs HIDDEN FALLS – BY21

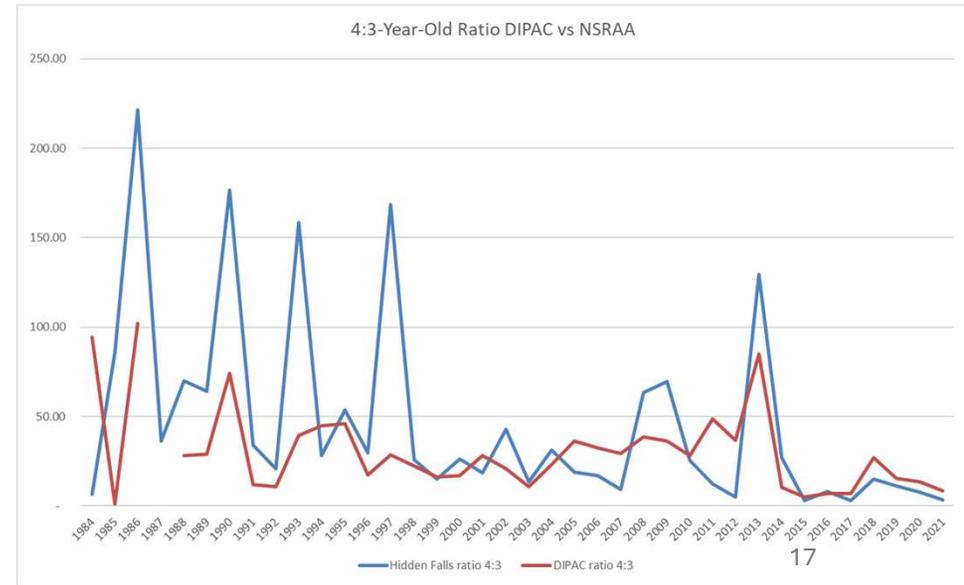
Result

Brood Year 2021 DIPAC - NSRAA Comparison

	3-year-old volume	3-year-old return MS	4:3 ratio		4-year-old volume
NSRAA (HF)	268,987	0.53%	Highest ever	3.44	Near lowest ever (7% of average)
DIPAC	480,306	0.41%	Highest ever	8.57	Near lowest ever (27% of average)
					Strong but well below expectations
					Near record high

Both saw *record* returns of BY21 3's in 2024! DIPAC was 1.8x *higher* volume

Ratio was near historic low for each, but DIPAC was 2.5x *higher*

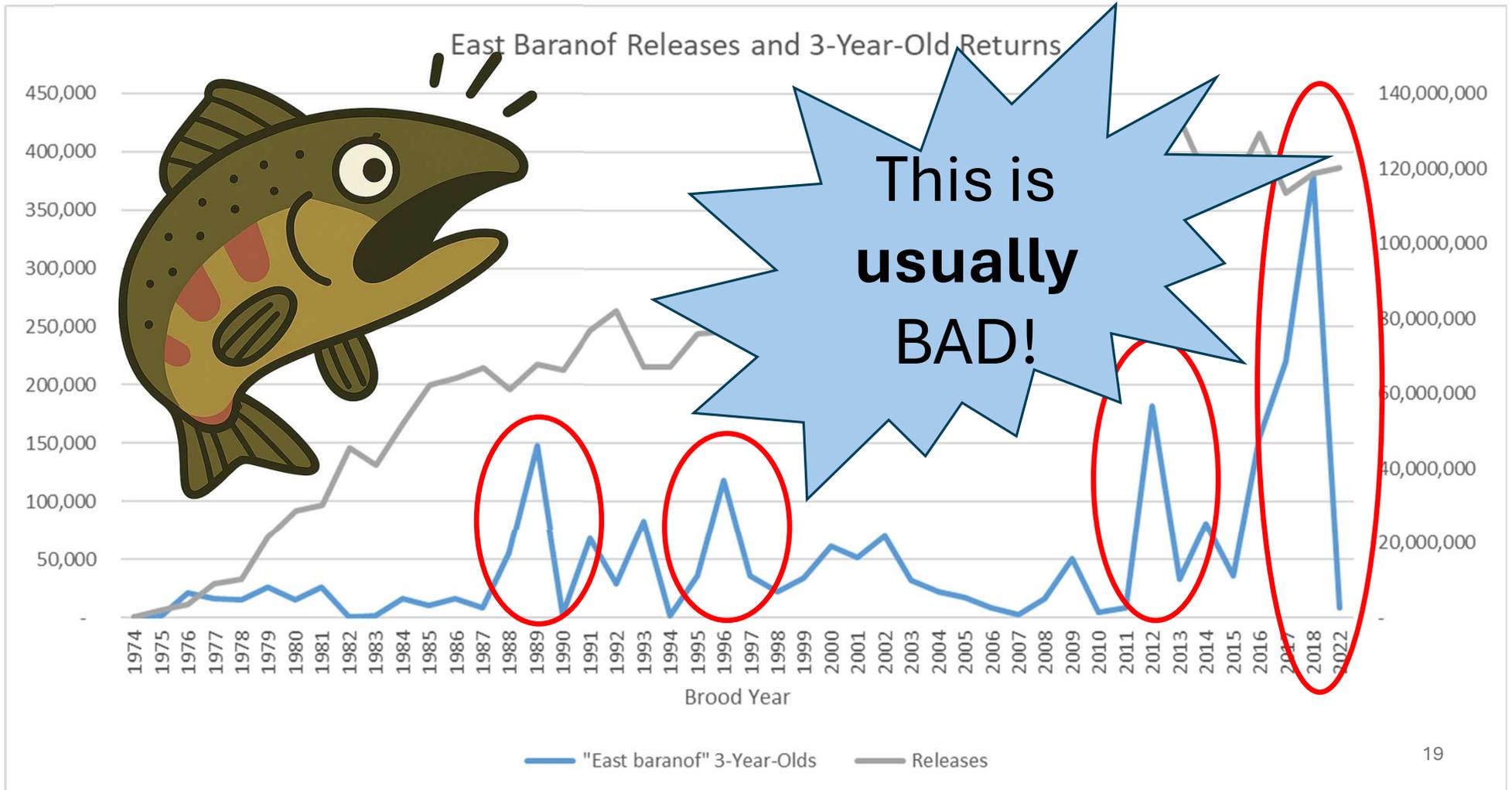


2025 Chum Return

Summer Stock 3's

Let's talk about it...

NSRAA Summer Stock (Non-Medvejie)



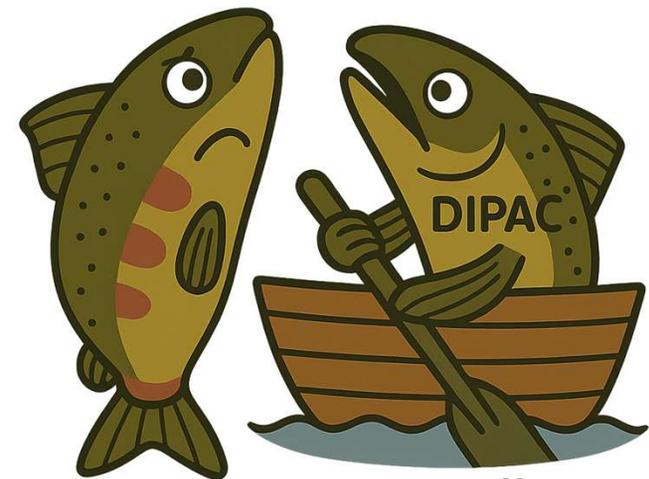
DIPAC vs HIDDEN FALLS – BY22

Brood Year 2022 DIPAC - NSRAA Comparison

	3-year-old volume		3-year-old return MS	
NSRAA (HF)	5,084	2% of 2024 volume	0.01%	37th /46 years
DIPAC	186,660	39% of 2024 volume	0.16%	9th /39 years

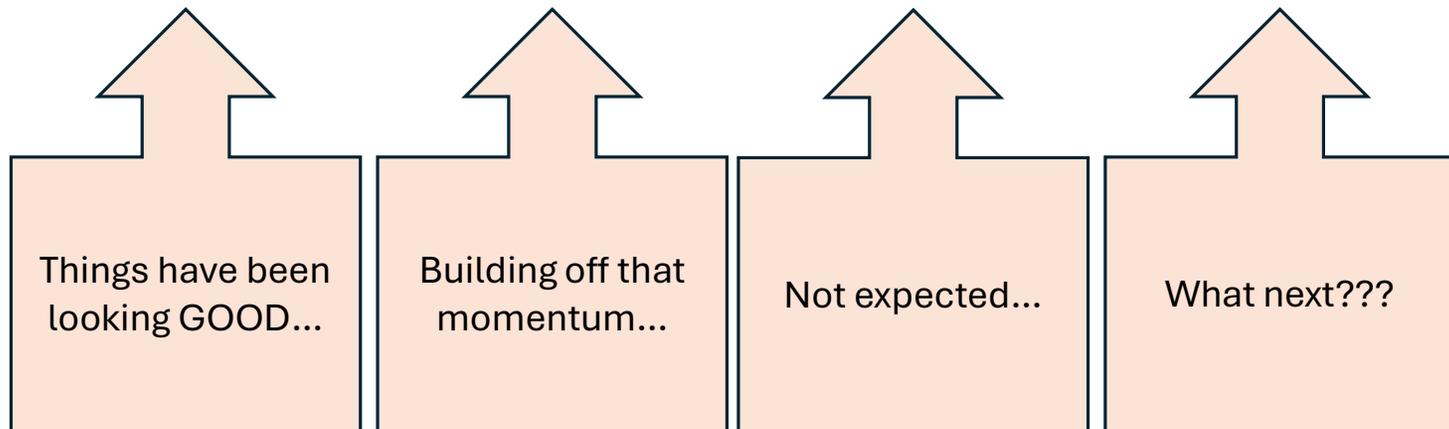
Both saw a decrease from 2024 records but only NSRAA's BY22 return was *abysmal!*

WE'RE NOT IN THE SAME BOAT



NSRAA Brood Year Performances REVIEW

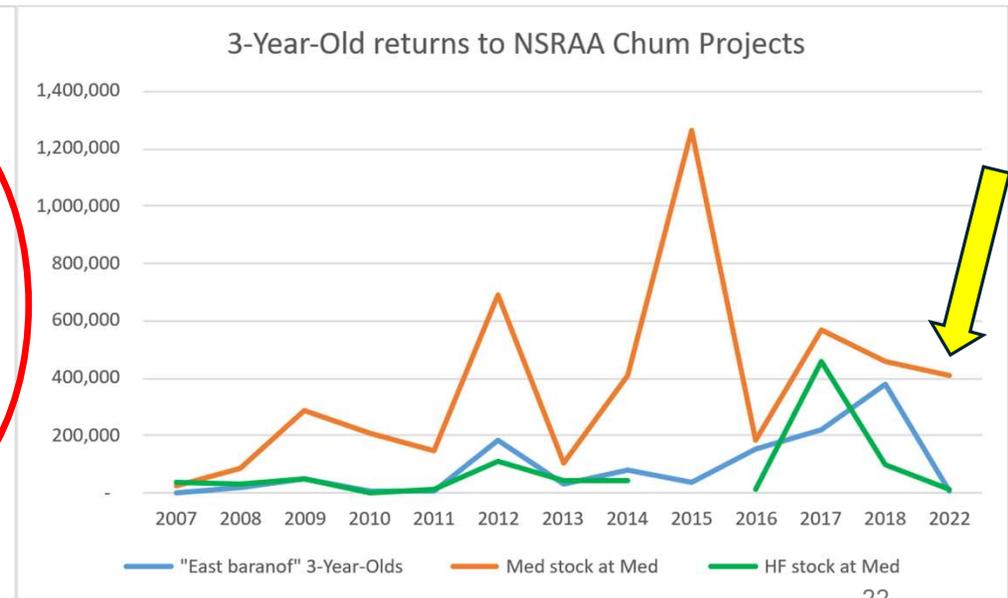
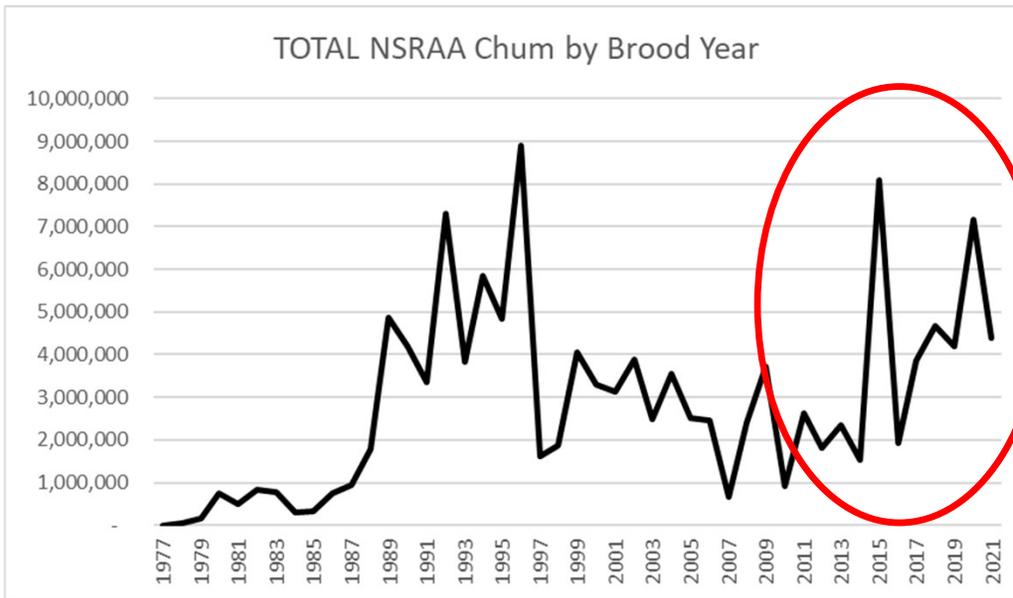
	Prior Performance	Expectations for 2025	Reality for 2025	Current performance
By20 - 5	Strong/Record High	Strong/Record High	Average	Strong - but short of expectations
BY21 - 4	Strong/Record High	Strong/Record High	Strong - but short of expectations	Strong - but short of expectations
BY22 - 3	N/A	Average	Record Low	Record Low



NSRAA Brood Year Performances REVIEW

Doing OK through BY21

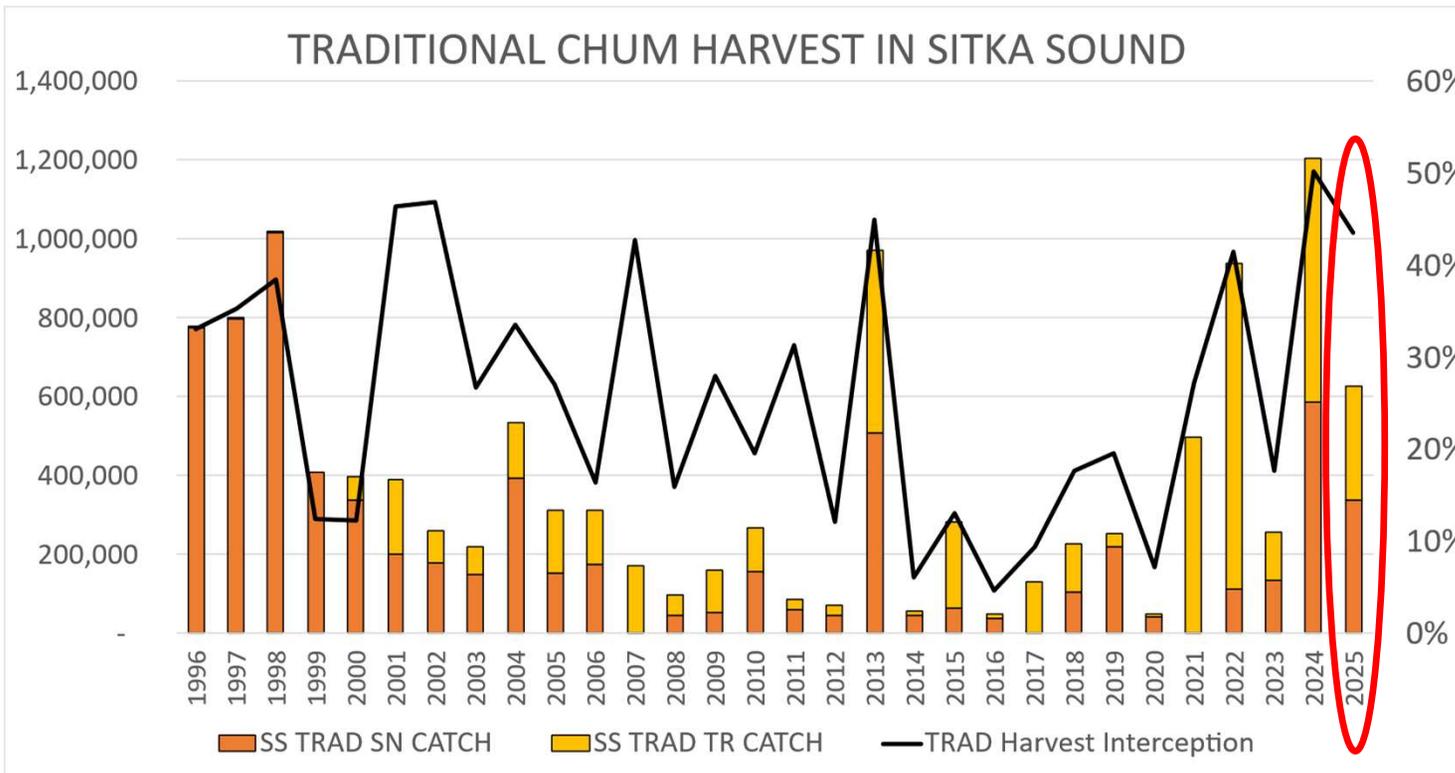
Fall Stock Resiliency



2025 Chum TRADITIONAL Fisheries



2025 Chum Return – SITKA SOUND FISHERIES



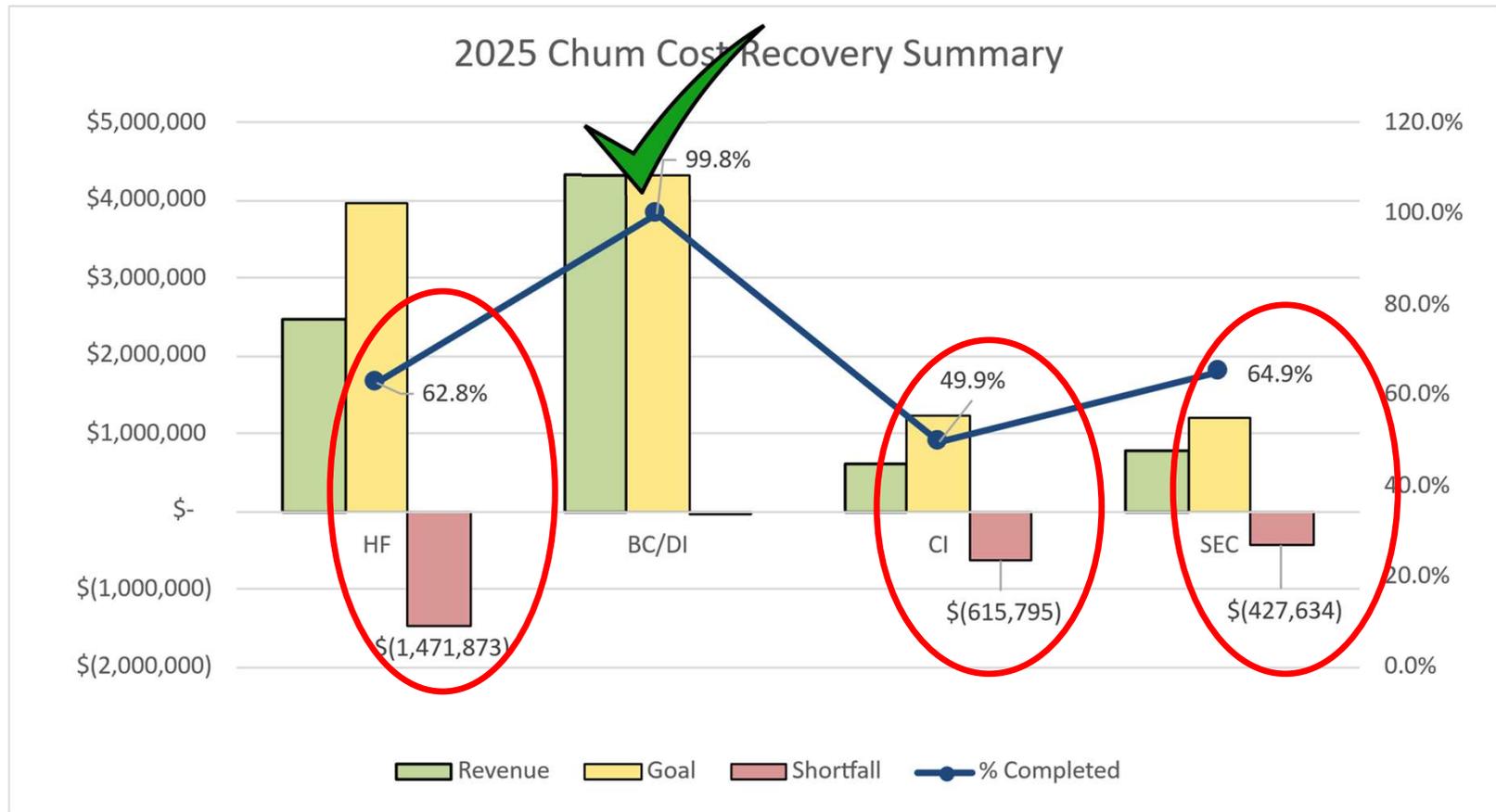
Reduced volume for Sitka Sound (TRADITIONAL) Harvest

- Down from record volume in 2024
- Interception still historically high
- **No issues with CR or brood!**

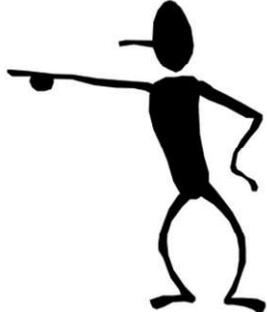


2025 Chum Cost Recovery

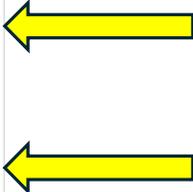
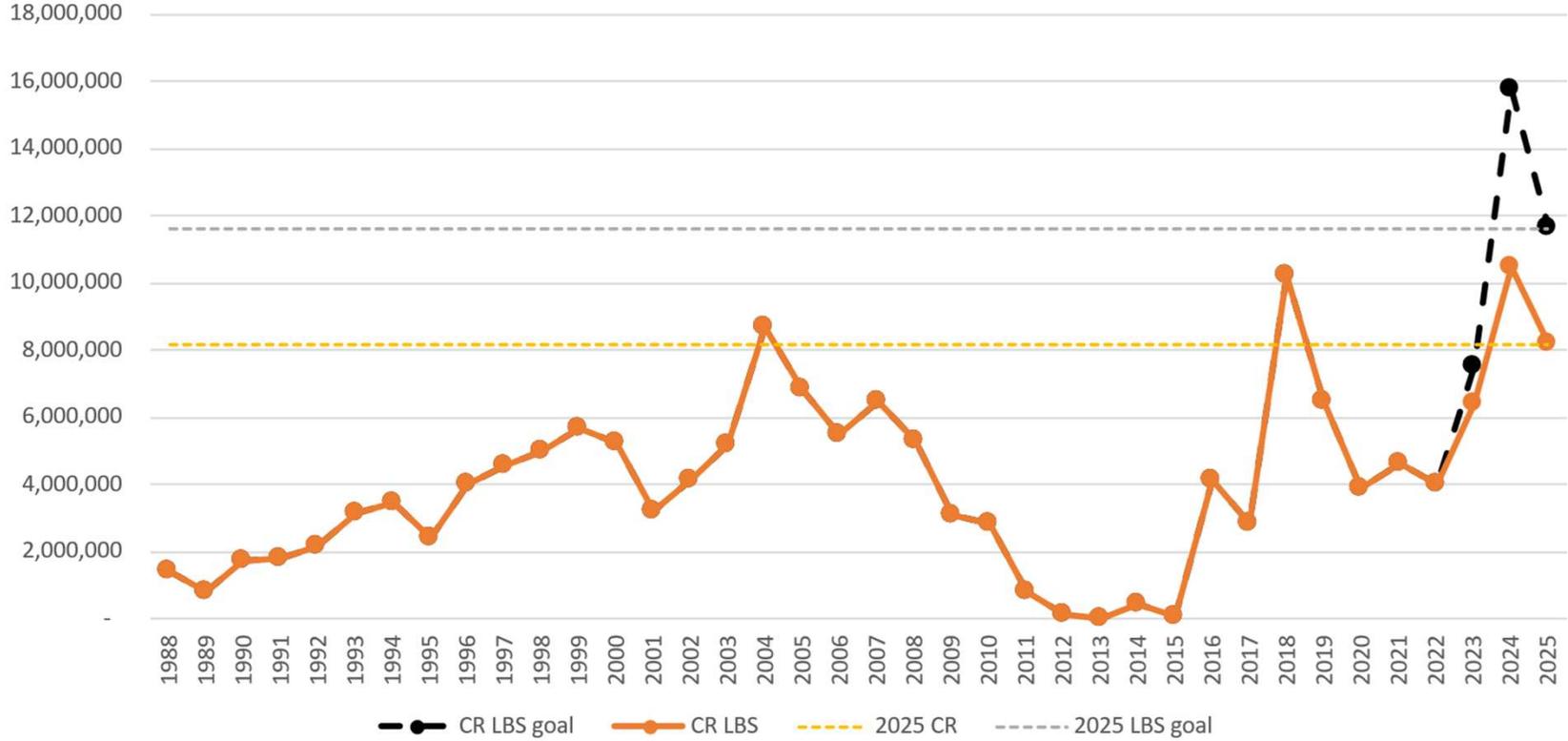
2025 Chum Return – COST RECOVERY



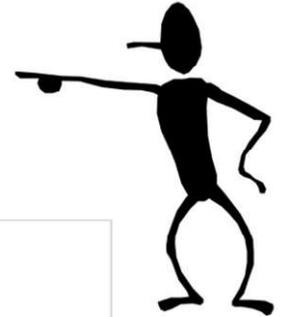
Meeting CR goals last two years would mean SHATTERING, not tying all-time records



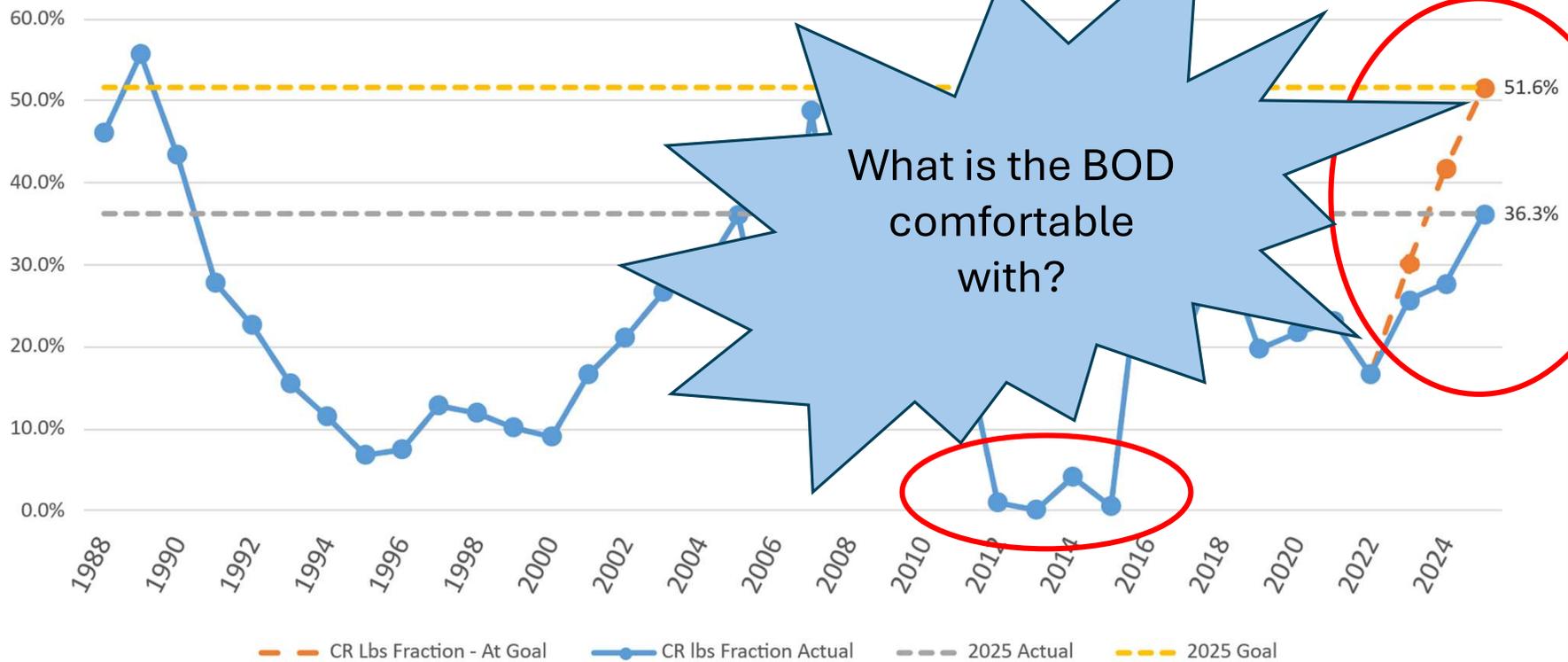
NSRAA Chum - Cost Recovery by Year



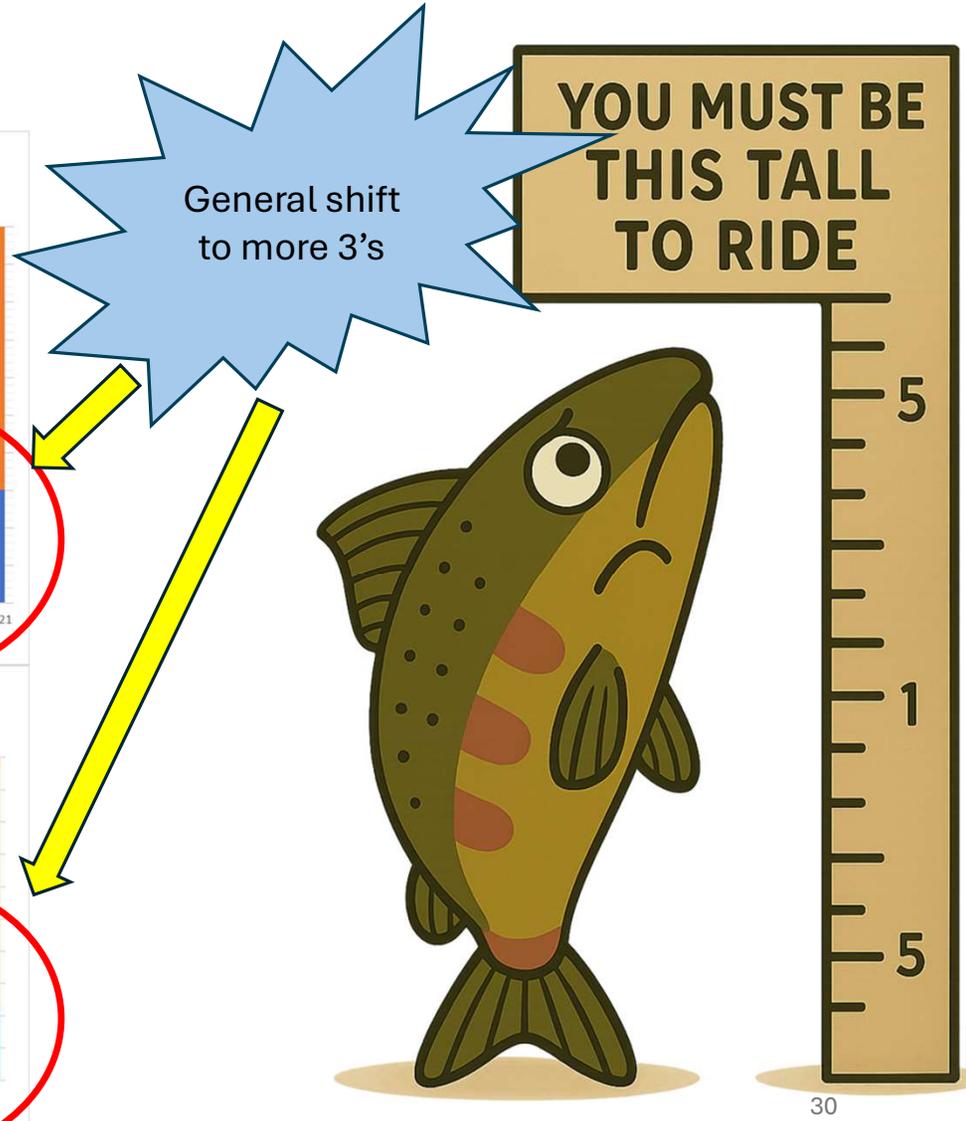
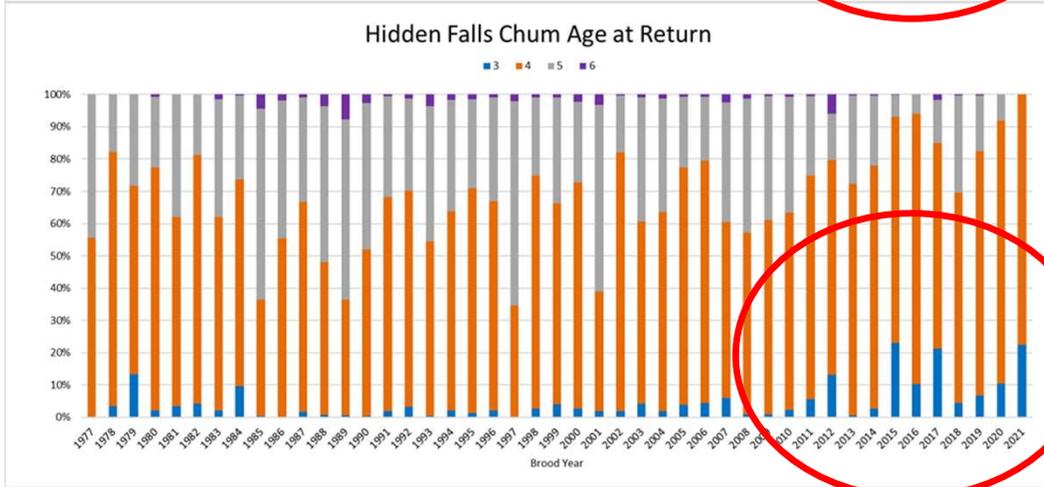
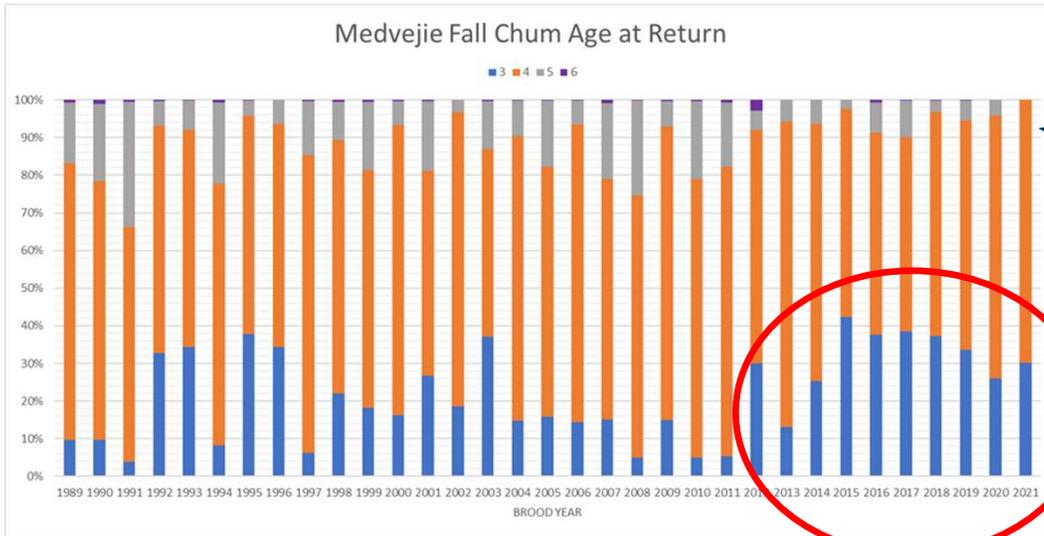
The "COST" of reaching cost recovery goals these days



NSRAA Chum % of Available Pounds Caught in Commercial Fisheries



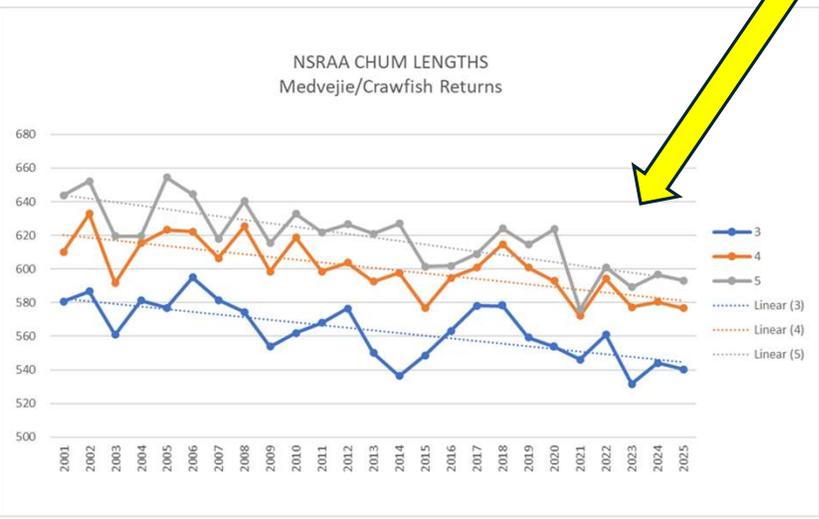
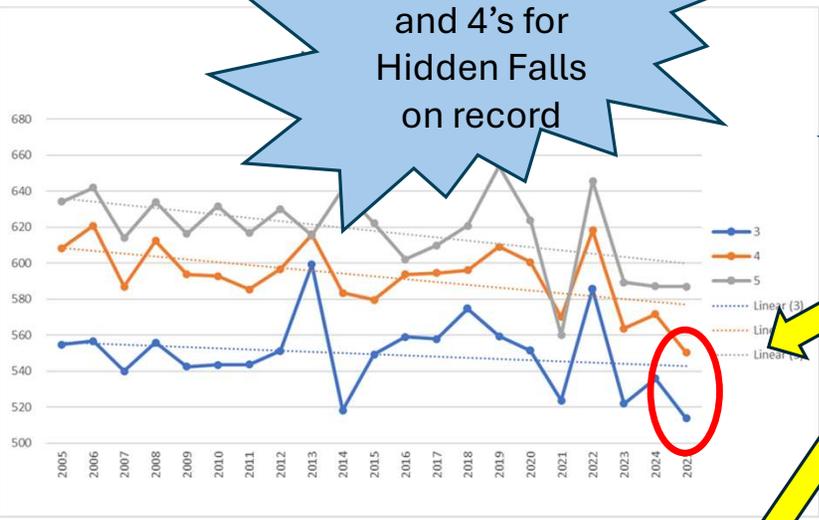
Fish Size...



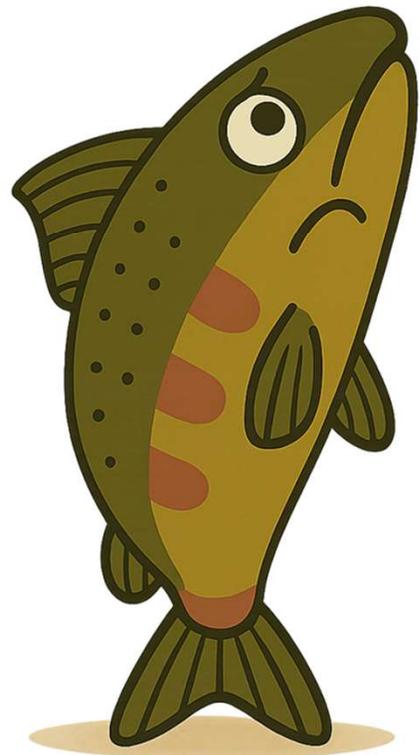
Fish Size...

Smallest 3's and 4's for Hidden Falls on record

Reduction in size at age over time

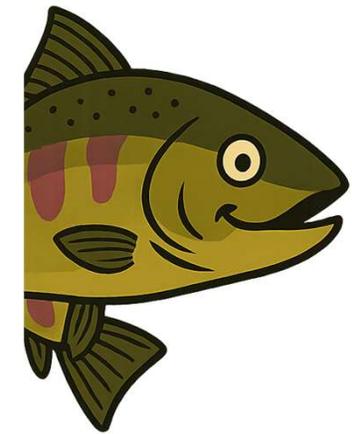


YOU MUST BE THIS TALL TO RIDE



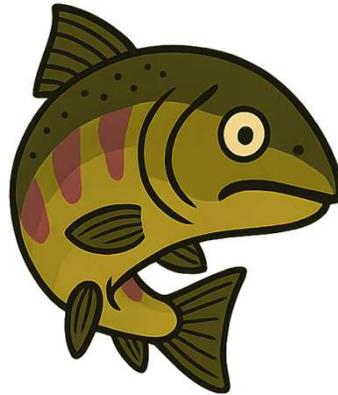
2025 Chum Takeaways

THE GOOD



- Historically “decent” return
- Fell “within” forecast range

THE BAD

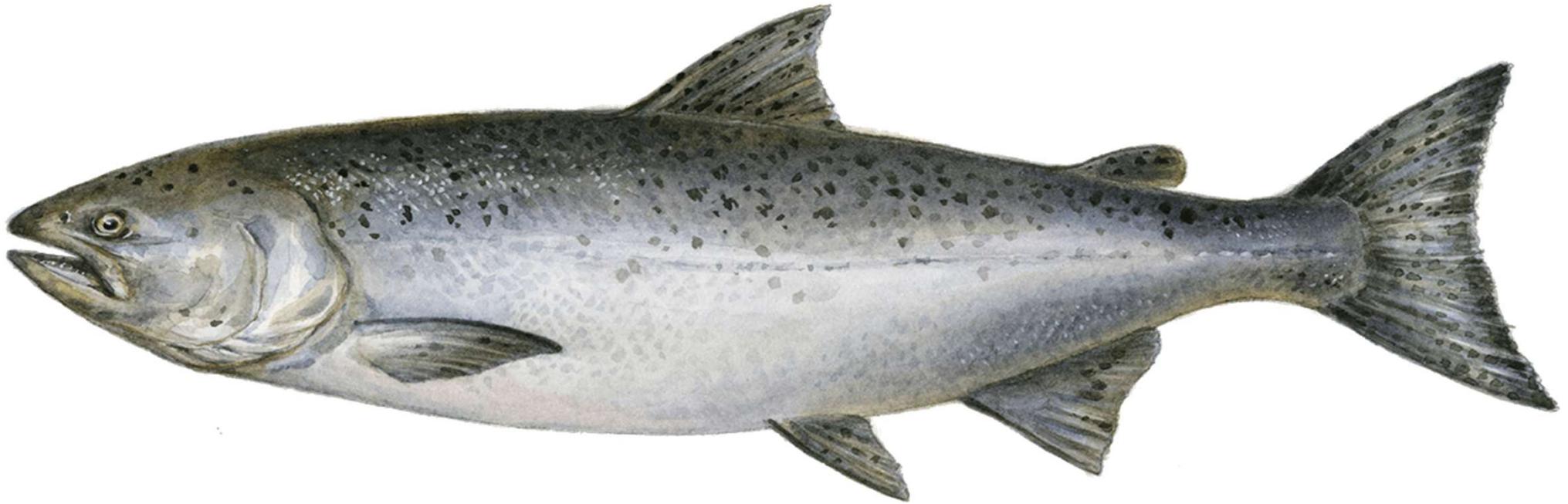


- 2 million fish LESS than expected
 - “Worst case scenario” for age 4’s
 - Cost recovery shortfalls
 - Extended THA closures

THE UGLY



- Historically low harvest share for CPH
- Severely short on 3-year-olds



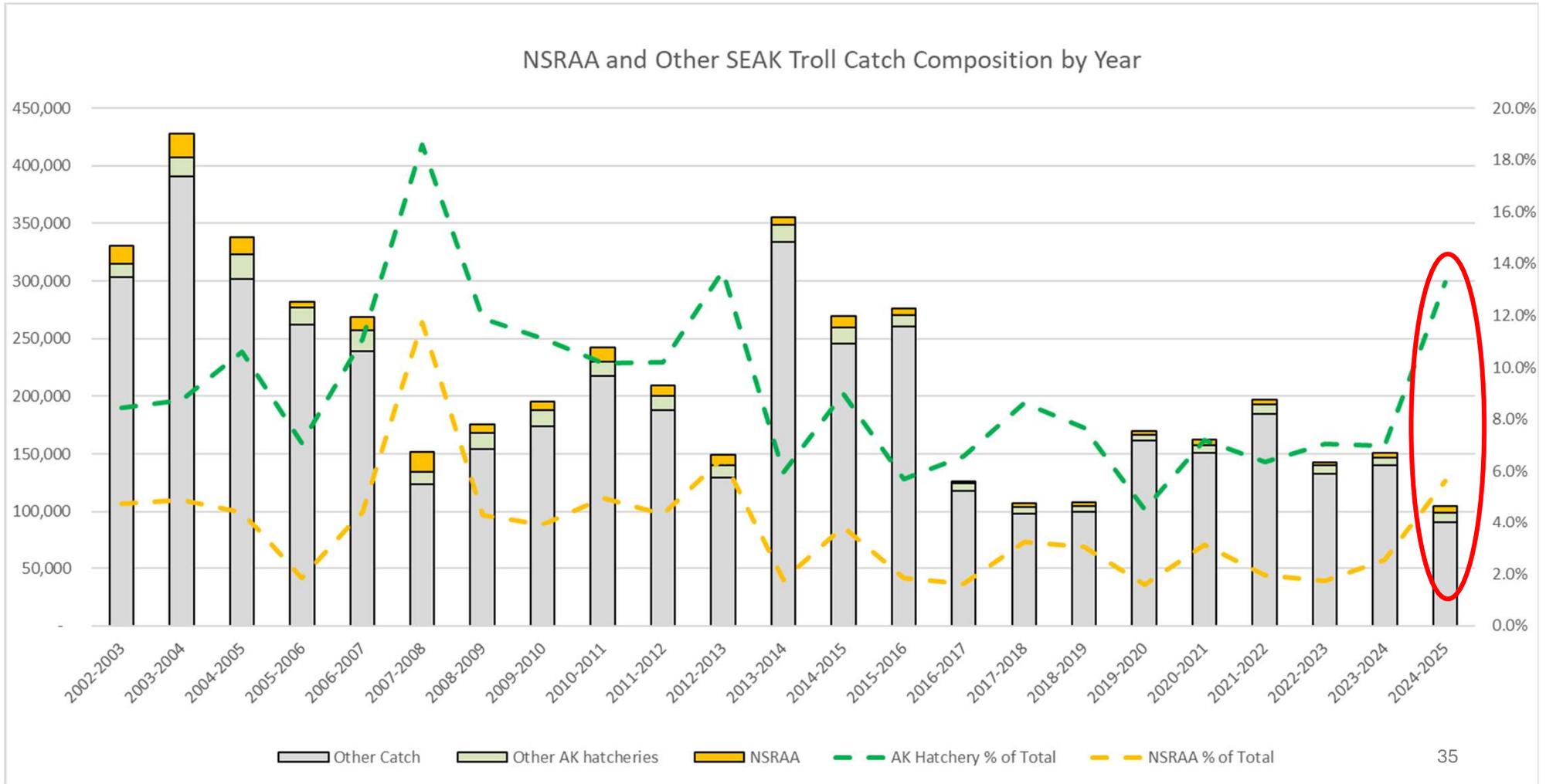
2025 Chinook Returns

2025 Chinook Returns

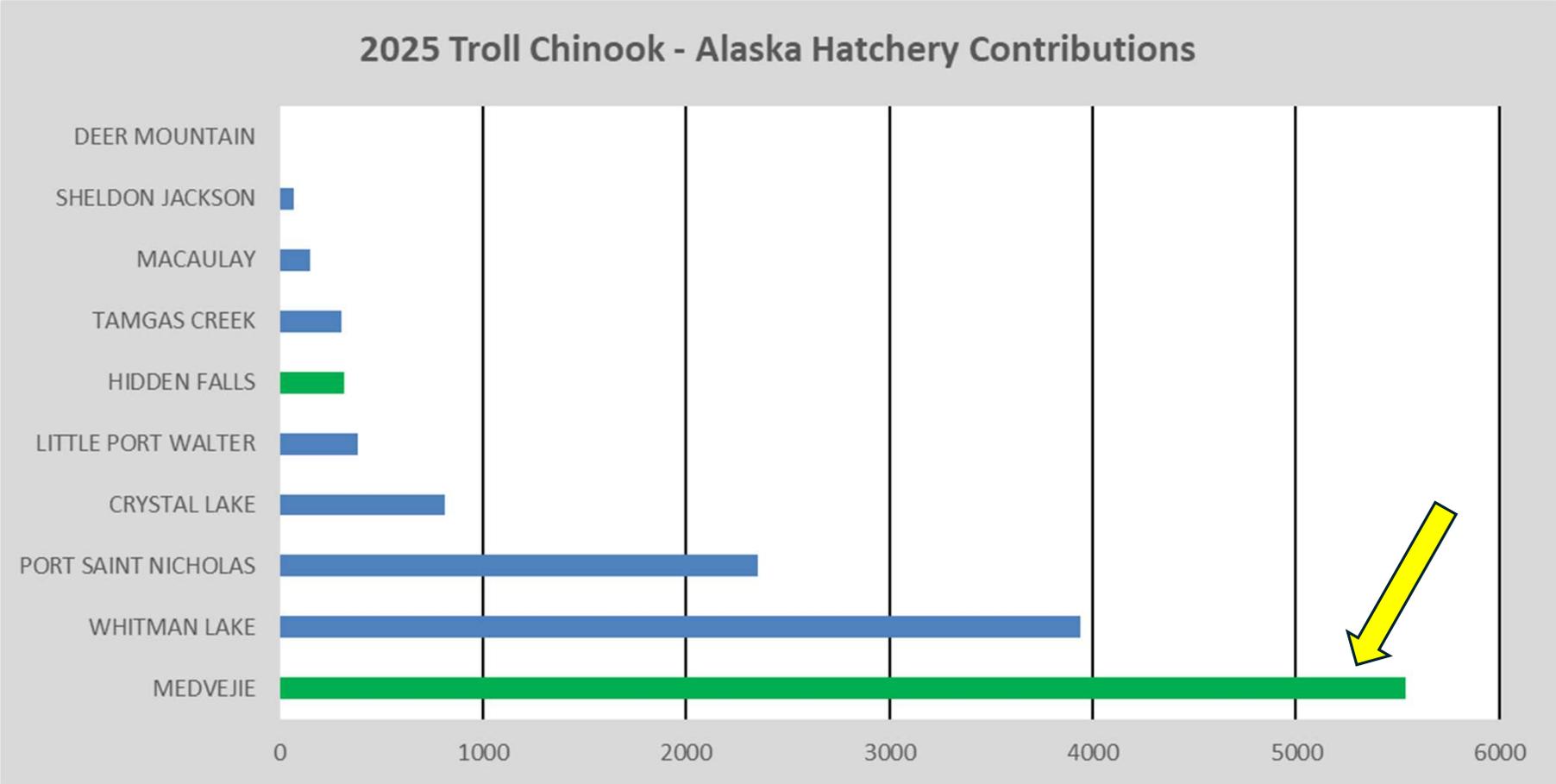
- Chinook returns came in at 97% of forecast overall
- Medvejie was once again the largest Alaska hatchery contributor to SEAK Troll fisheries.
- Improvements to TOTAL troll contribution from last year, with an estimated 5,900 fish, 5.6% of the SEAK 2025 troll harvest, 46% of Alaska Hatchery contribution.
- Medvejie conducted more extensive brood stock sorting and excess male cost recovery, utilizing new methods.
- This was the final return of adult (4-ocean) Andrew Creek returns to Hidden Falls. Keta Chinook will return in 2026.



2025 Chinook TROLL



2025 Chinook TROLL





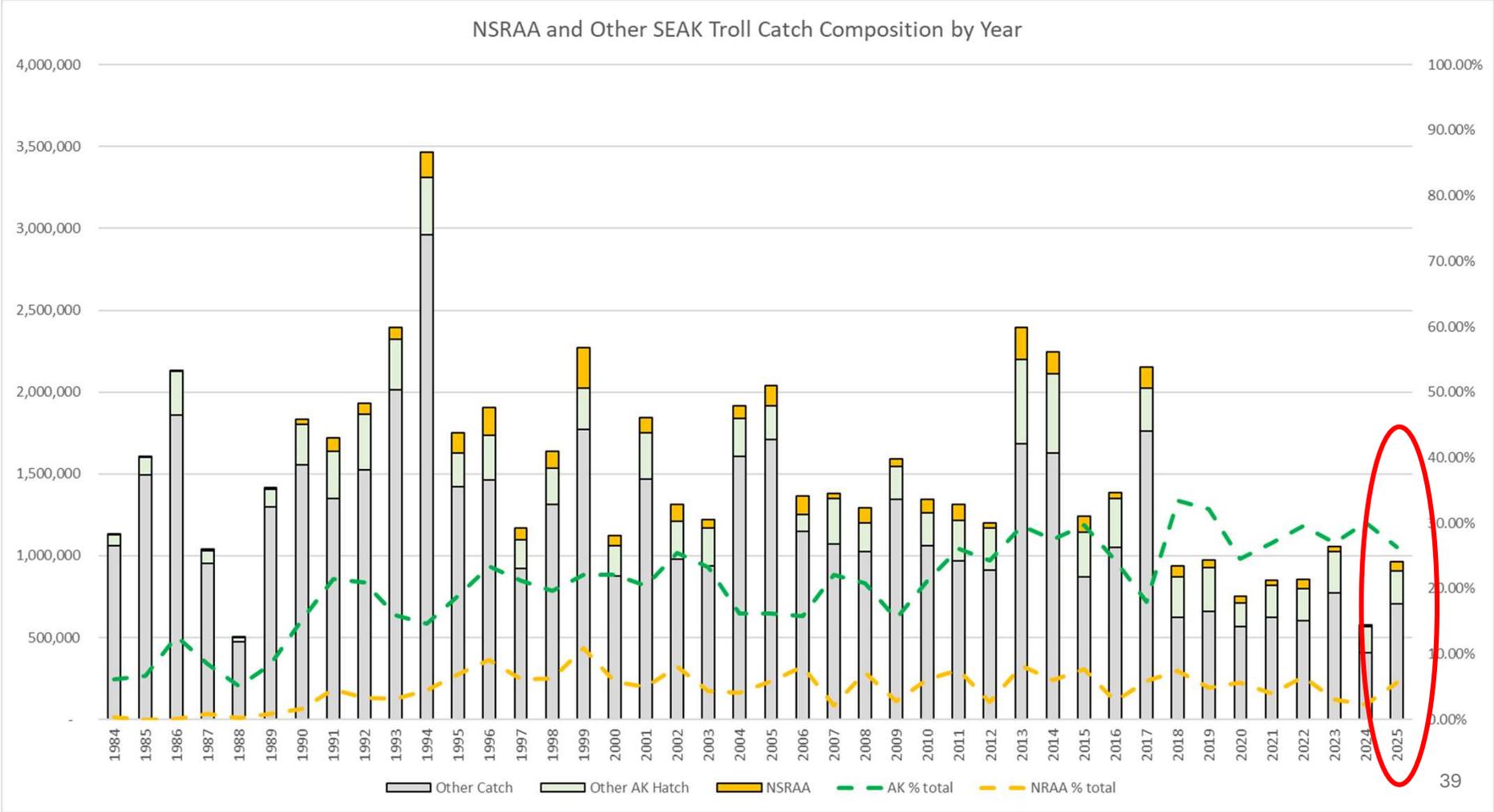
2025 Coho Returns

2025 Coho Returns

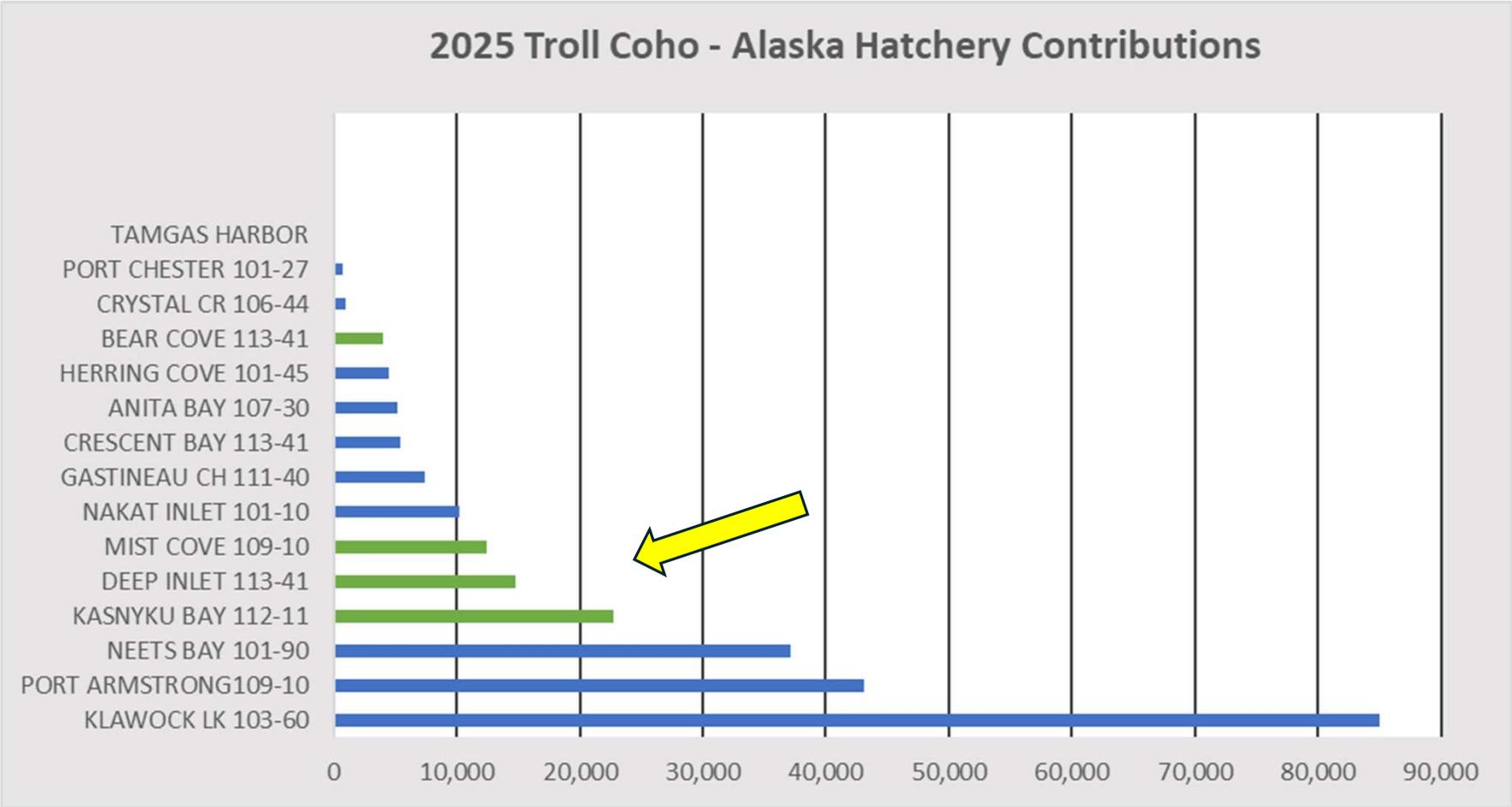
- Coho returns came in at 84% of forecast overall
- Poor marine survival at all sites and second year where all NSRAA projects marine survival fell below 5%.
- Like 2024, Deep Inlet and Hidden Falls exceeded forecasts while Medvejie and Deer Lake fell short.
- 2nd worst survival in Deer Lake program's history (2024 was lowest)
- Significantly low fish availability for cost recovery at Mist Cove.
- No supplemental lake stocking returns took place in 2025.
- Returns to Medvejie Hatchery were poor and maximizing brood stock required sport closures in addition to brood transport from Deep Inlet as well as from Sawmill Creek.
- Record high Coho interception rates for 2025 resulting in low escapement to NSRAA's terminal areas and difficulty deciphering run strength and timing.



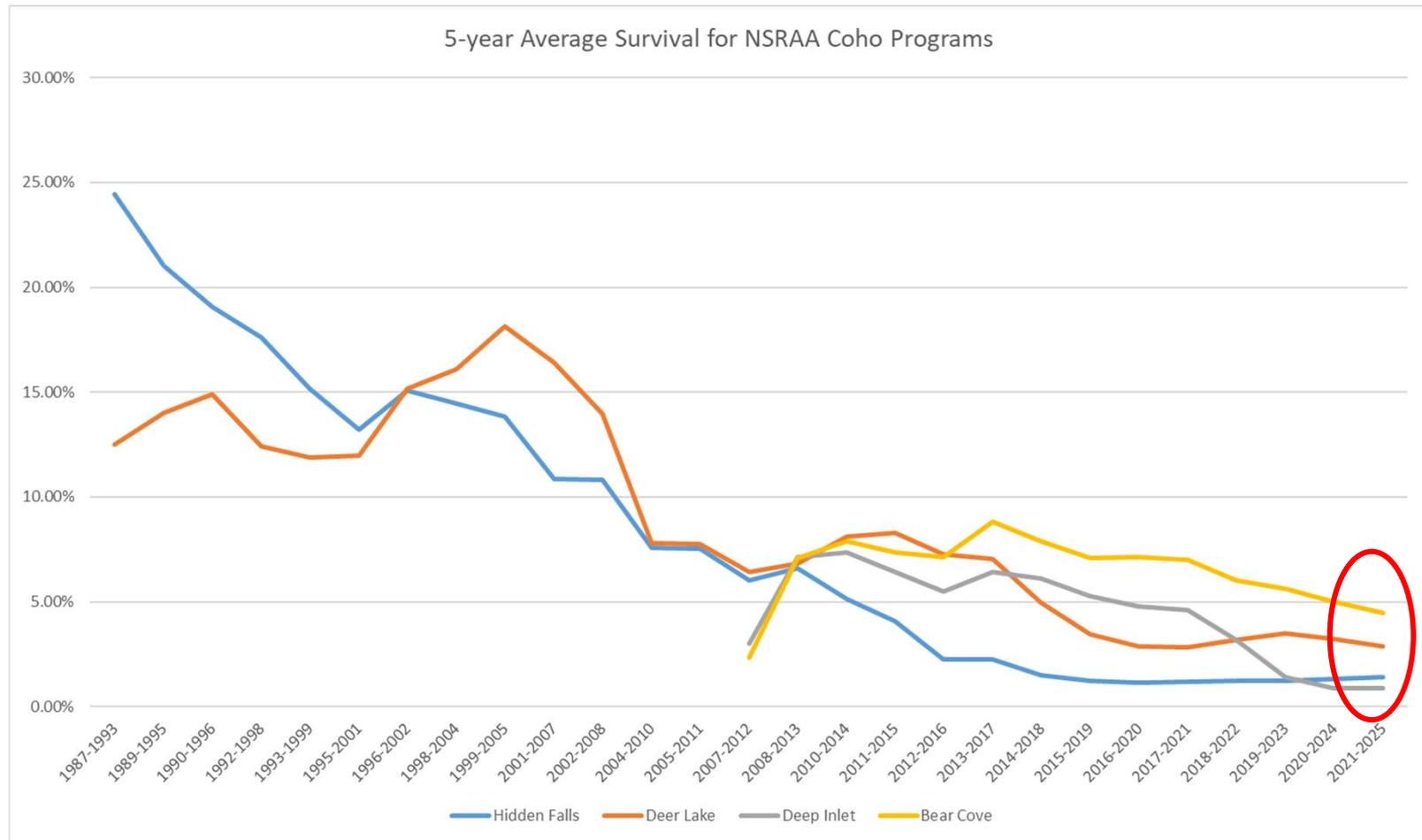
2025 Coho TROLL



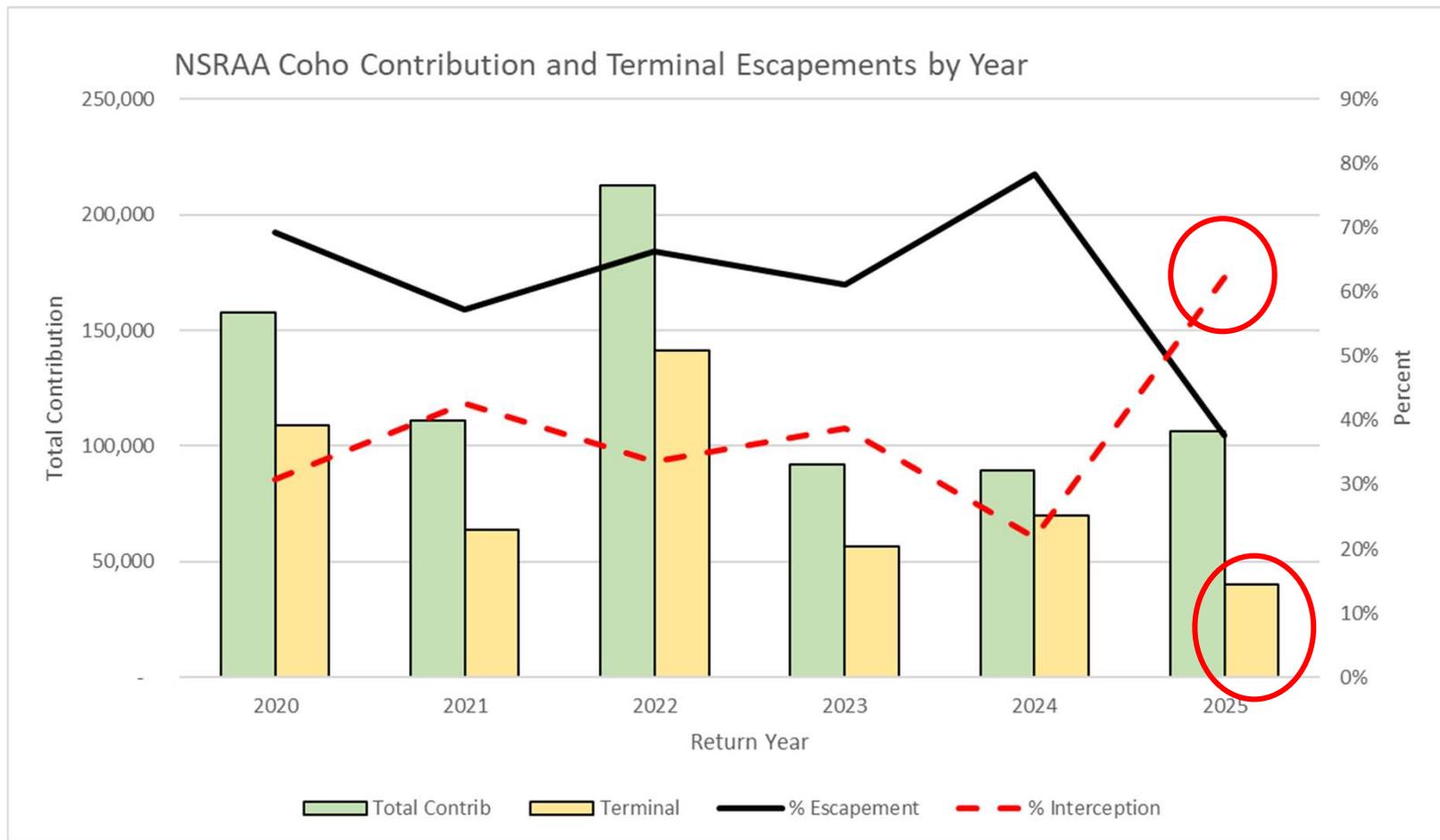
2025 Coho TROLL



2025 Coho Return – SURVIVALS



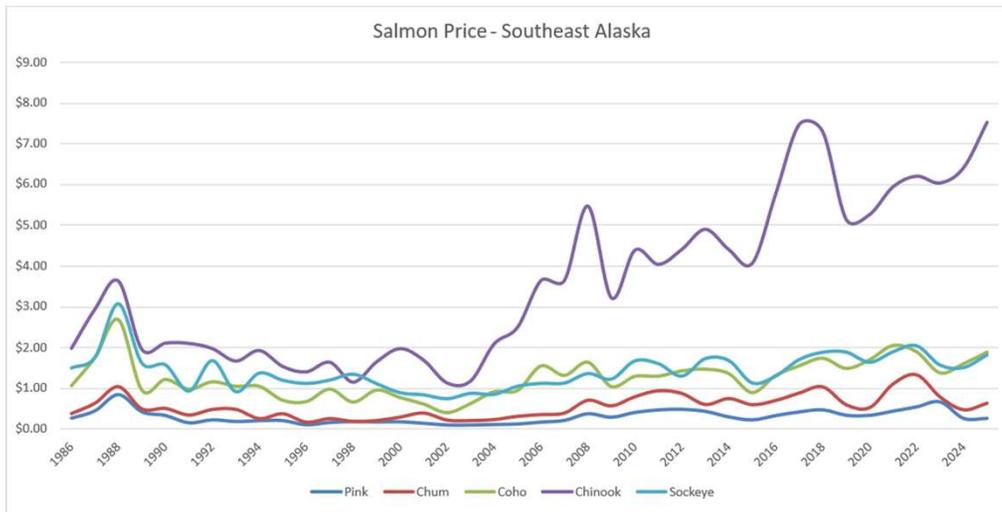
2025 Coho Return – INTERCEPTIONS





2025 NSRAA Value

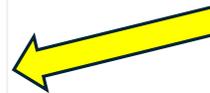
2025 Commercial Salmon Value - PRICES



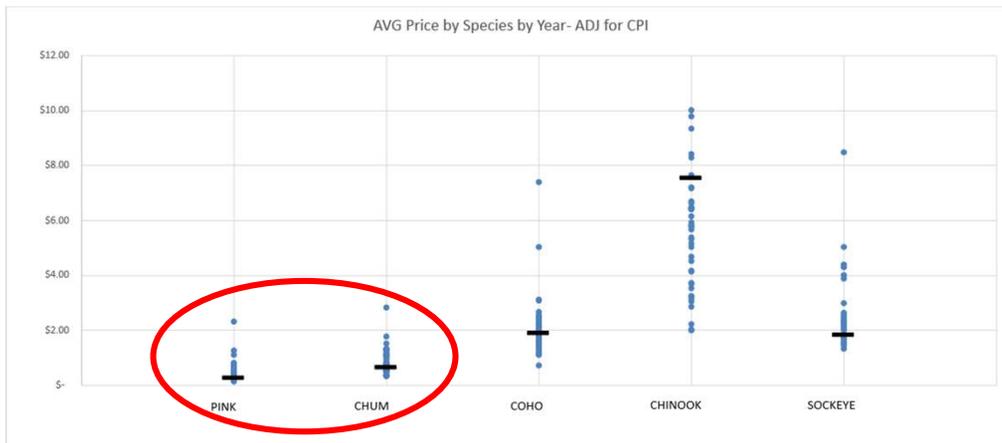
Chinook doing well



Better but not keeping up



Retro's?

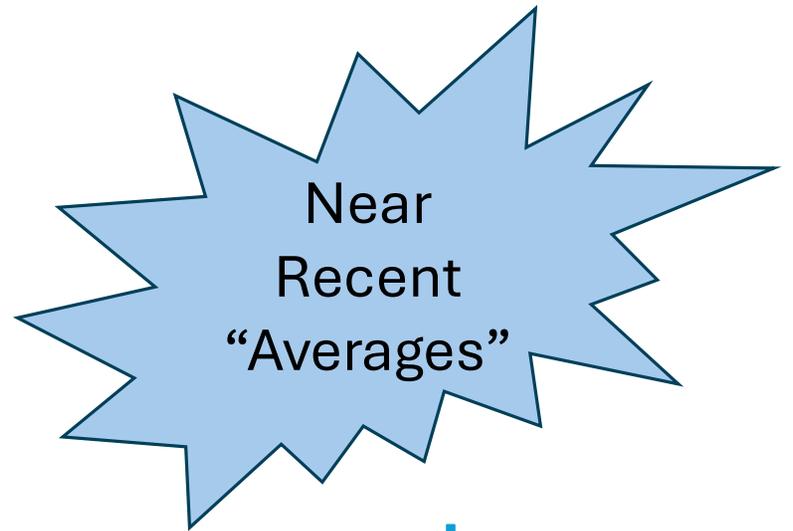


	2025 \$/lb	Rank/40 years
Pink	\$0.26	21
Chum	\$0.63	13
Coho	\$1.89	4
Chinook	\$7.54	1
Sockeye	\$1.83	6

2025 Commercial Salmon Value – SEAK

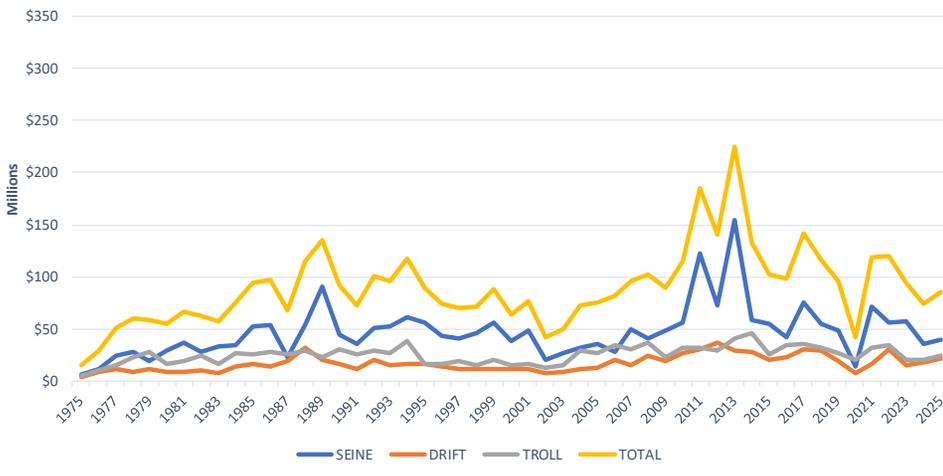
SOUTHEAST ALASKA SALMON VALUE

	SEINE				DRIFT				TROLL				TOTAL			
	SEINE	DRIFT	TROLL	TOTAL	SEINE	DRIFT	TROLL	TOTAL	SEINE	DRIFT	TROLL	TOTAL	SEINE	DRIFT	TROLL	TOTAL
2025	\$ 39,582,032	\$ 21,885,806	\$ 24,237,472	\$ 85,705,309	31	12	30	27								
5-yr-avg	\$ 46,891,841	\$ 17,507,023	\$ 25,630,182	\$ 90,029,045												
% of 5-yr-avg	84%	125%	95%	95%												
10-yr-avg	\$ 51,044,048	\$ 21,049,305	\$ 28,349,750	\$ 100,443,103												
% of 10-yr-avg	78%	104%	85%	85%												



\$ 100 M

Southeast Alaska Salmon Value
1975-2025



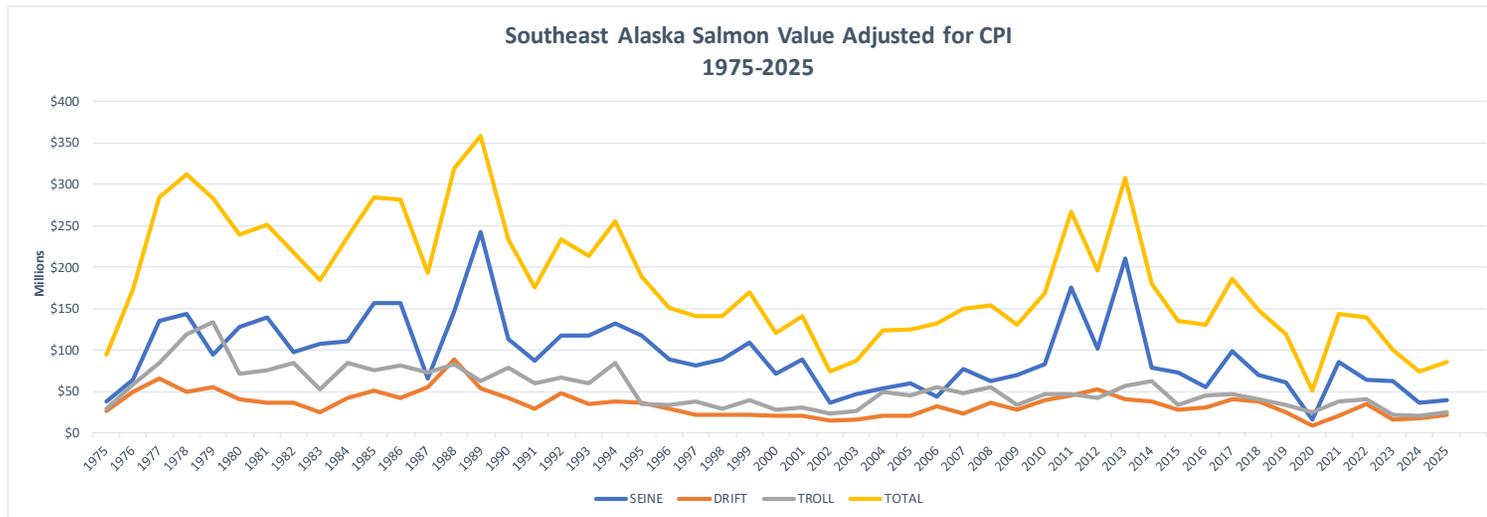
27th in 51 years

48th with CPI...

2025 Commercial Salmon Value – SEAK

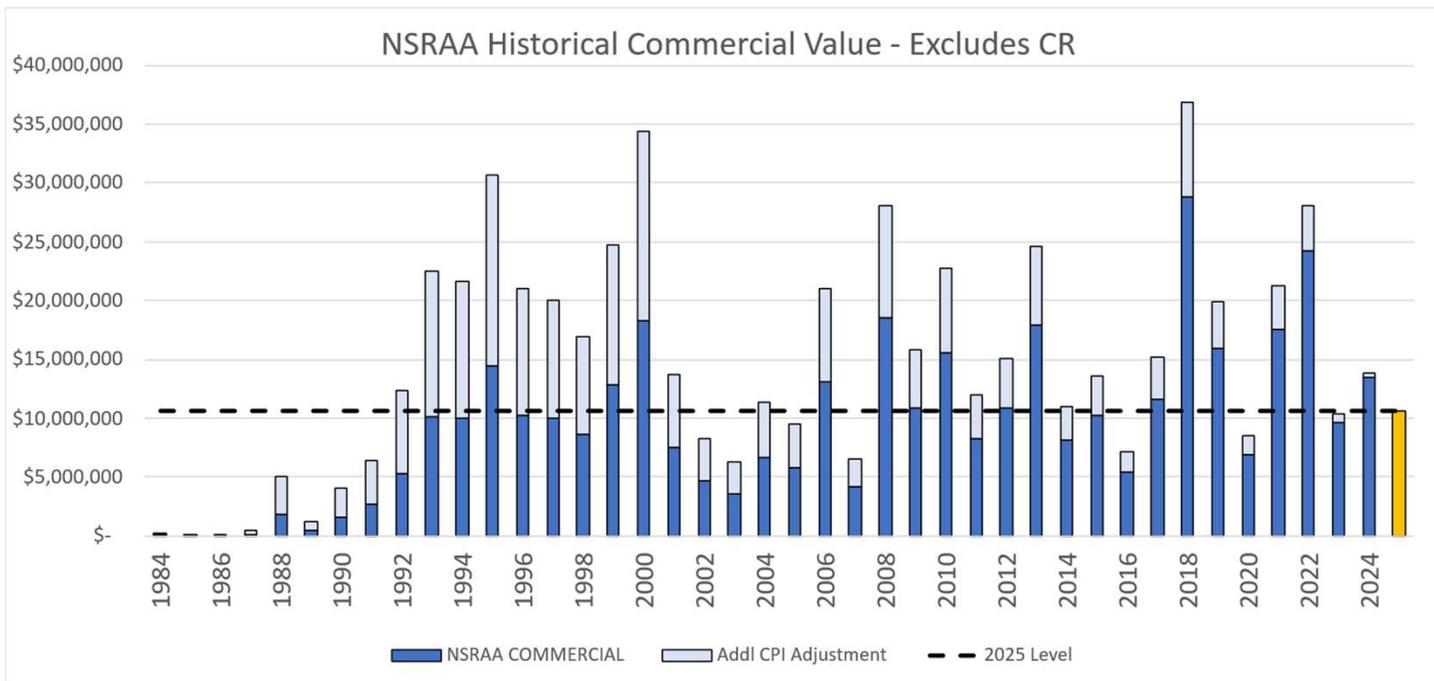
SOUTHEAST ALASKA SALMON VALUE Adjusted for CPI to 2025 Value

					RANK of 51 years			
	SEINE	DRIFT	TROLL	TOTAL	SEINE	DRIFT	TROLL	TOTAL
2025	\$ 39,582,032	\$ 21,885,806	\$ 24,237,472	\$ 85,705,309	47	41	48	48
5-yr-avg	\$ 53,120,785	\$ 19,701,841	\$ 29,303,844	\$ 102,126,470				
% of 5-yr-avg	75%	111%	83%	84%				
10-yr-avg	\$ 62,369,651	\$ 25,802,546	\$ 34,814,523	\$ 122,986,721				
% of 10-yr-avg	63%	85%	70%	70%				



3rd WORST with CPI...

2025 Commercial Salmon Value – NSRAA



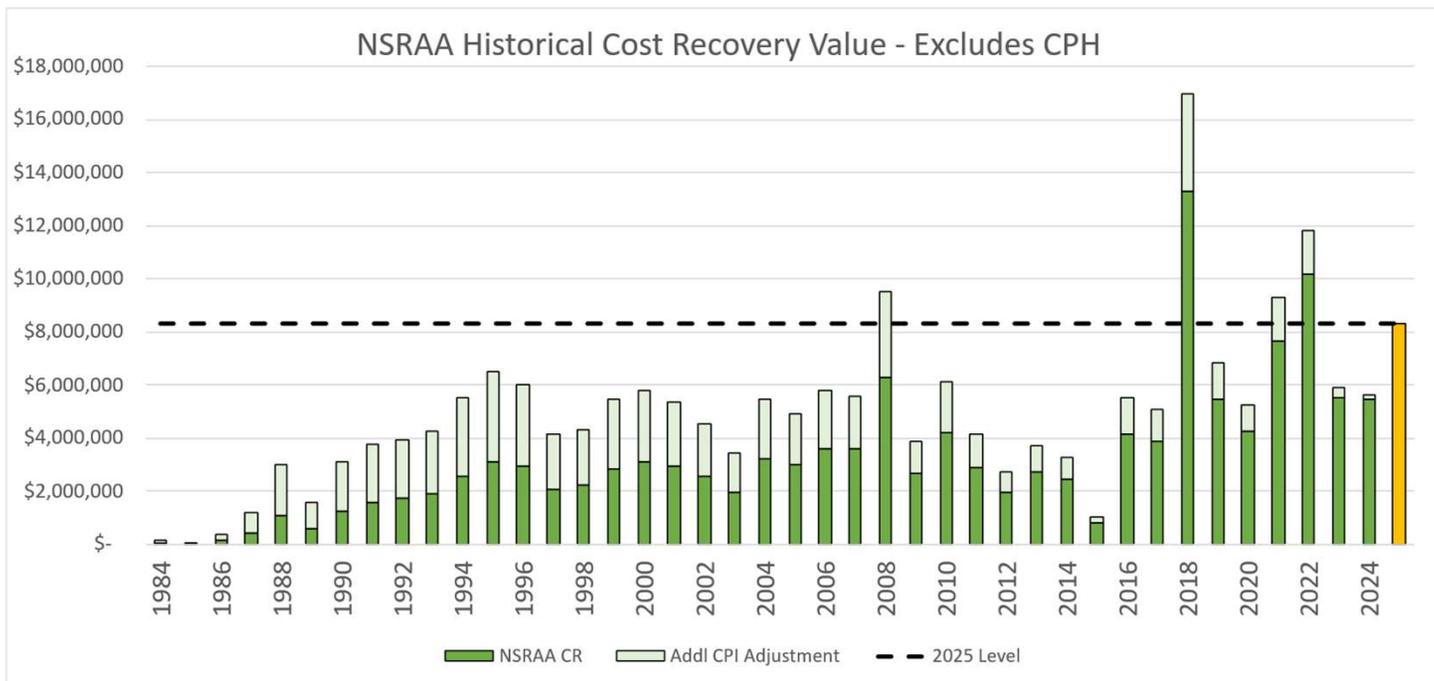
\$ 10.6 M

16th in 41 years



27th with CPI...

2025 Cost Recover Value – NSRAA



\$ 8.3 M

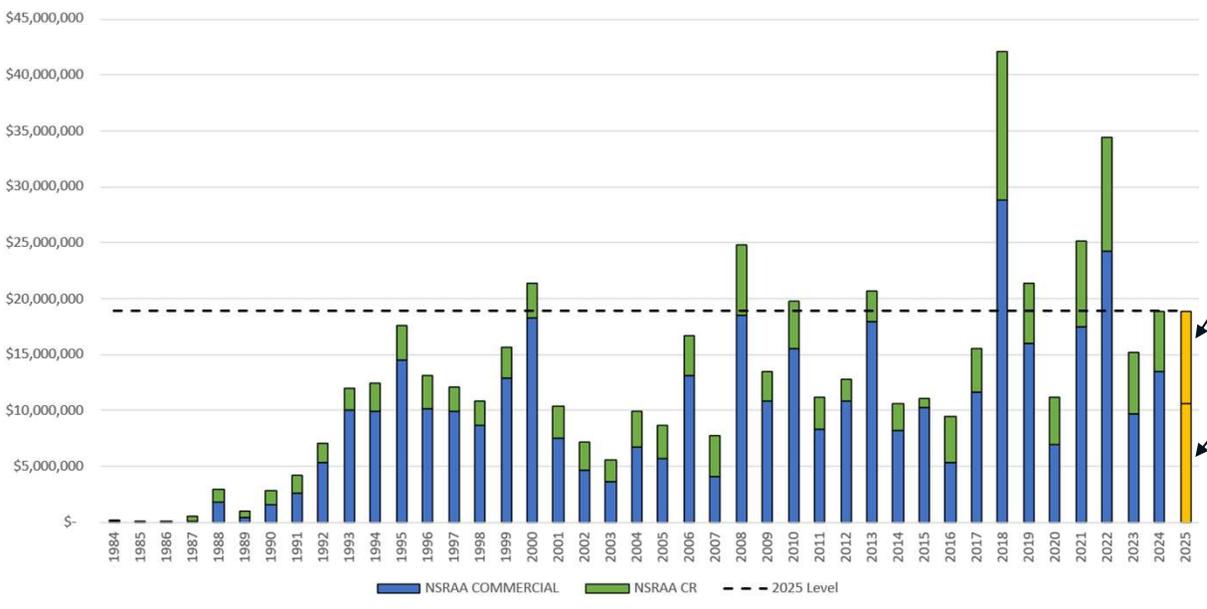
3rd in 41 years

9th with CPI...



2025 Total Salmon Value – NSRAA

NSRAA Commercial + Cost Recovery by Year- No CPI ADJ



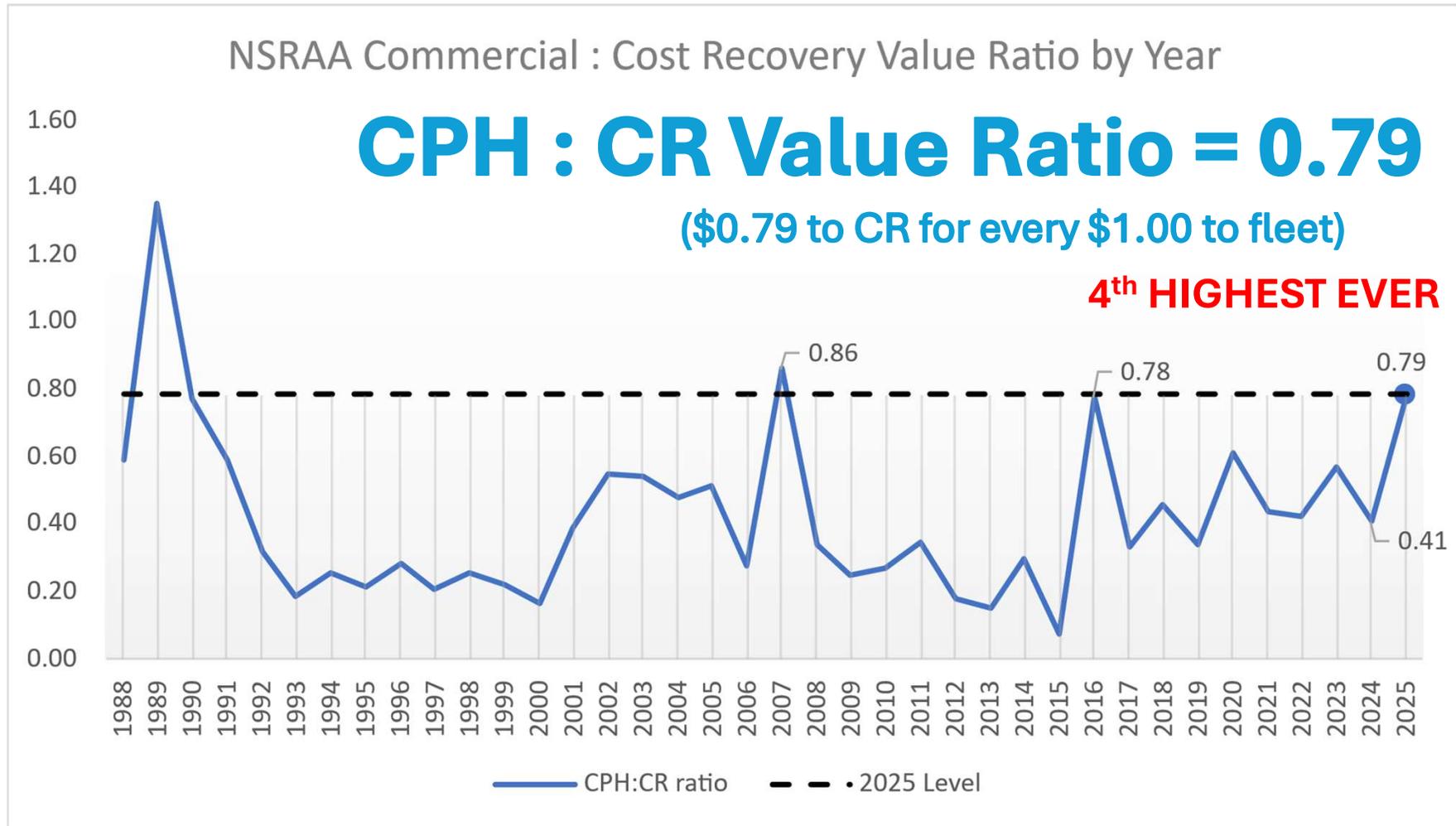
\$ 8,326,300
\$ 10,592,899

\$ 18,919,199

9th in 41 years

21st with CPI...

2025 Commercial Salmon Value – NSRAA

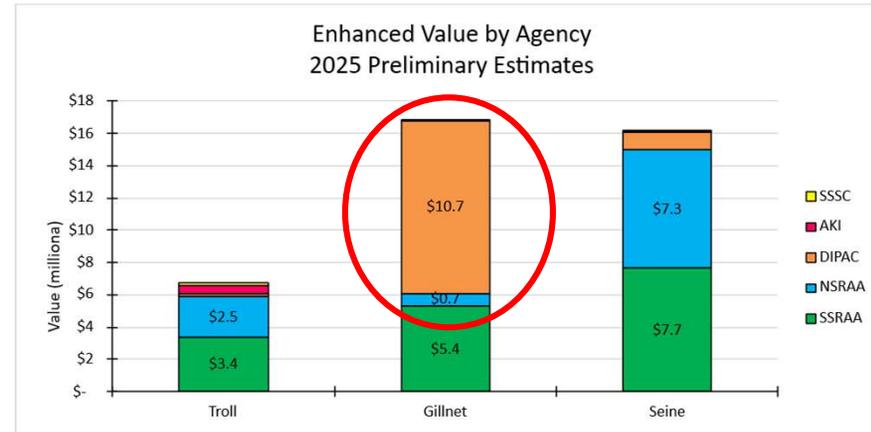




2025 Enhanced Allocation

2025 Allocation Estimates

2025 Preliminary Enhanced Value by Species & Gear					
	Troll	Gillnet	Seine	Total	Species %
Coho	\$ 3,046,000	\$ 518,000	\$ 141,000	\$ 3,705,000	9%
Chinook	\$ 1,551,000	\$ 524,000	\$ 830,000	\$ 2,905,000	7%
Chum	\$ 2,153,000	\$ 15,614,000	\$ 15,203,000	\$ 32,970,000	83%
Sockeye	\$ -	\$ 181,000	\$ 25,000	\$ 206,000	1%
Total	\$ 6,750,000	\$ 16,837,000	\$ 16,199,000	\$ 39,786,000	
Gear %	17%	42%	41%		

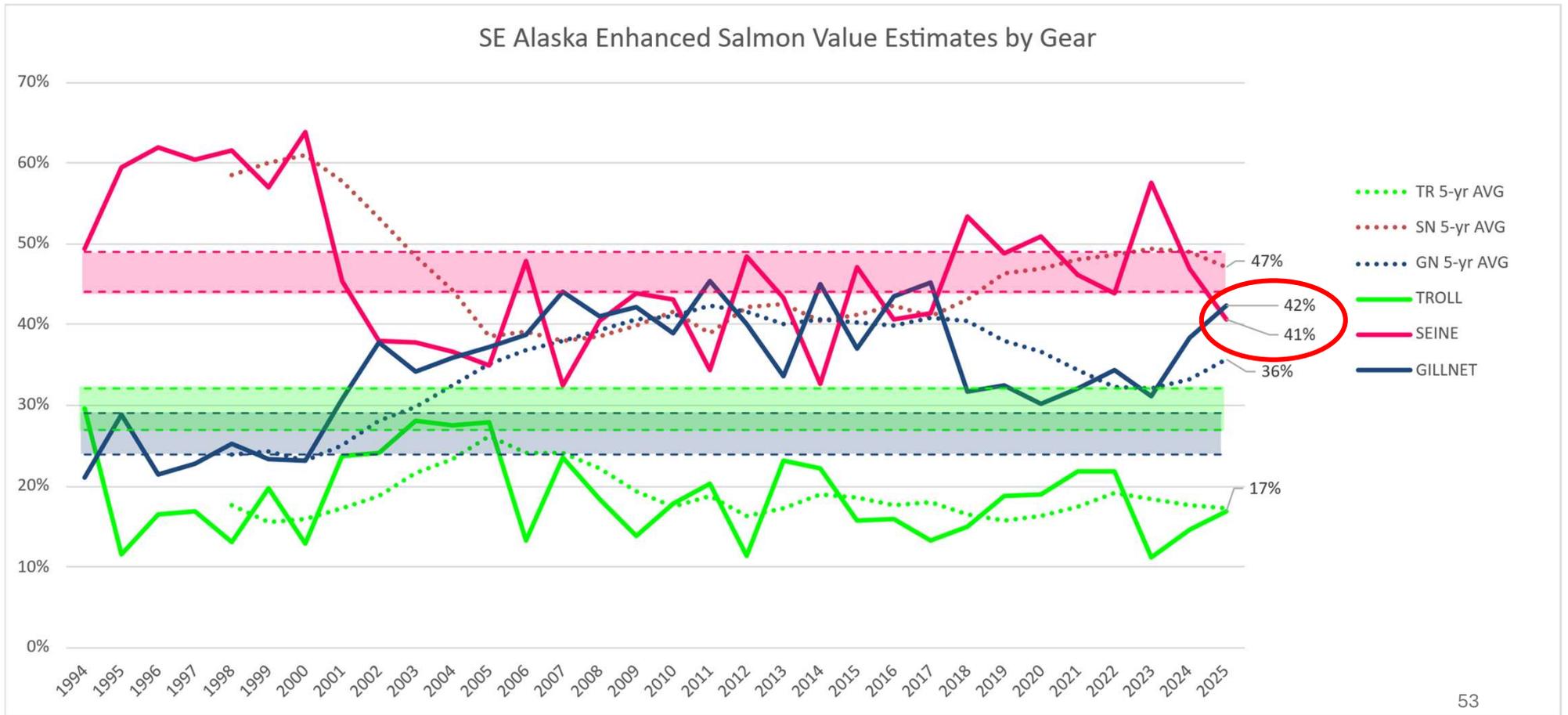


2025 SEAK Salmon Value

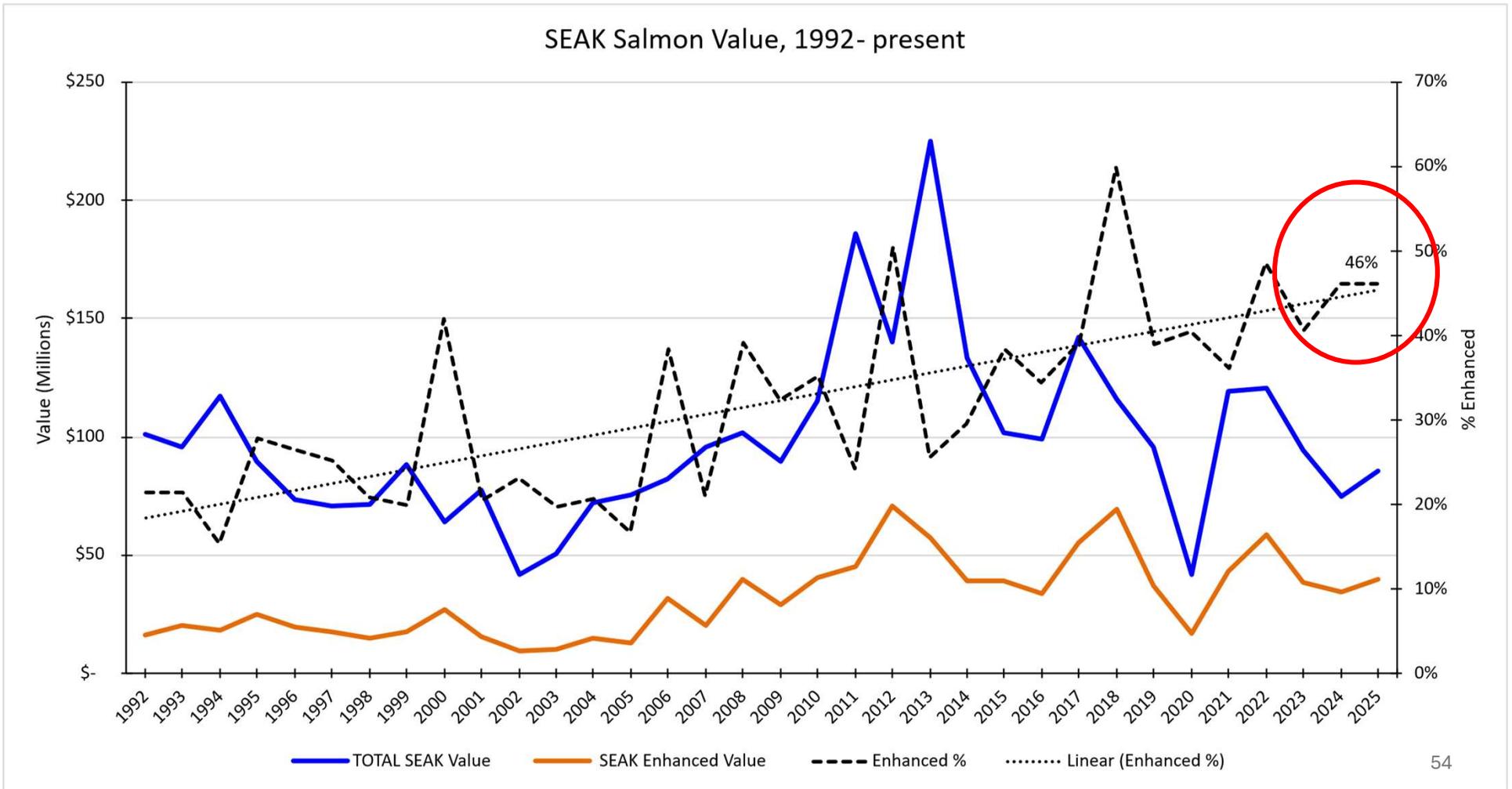
2025 Enhanced Value		
Gear	Value	% of Enhanced Value
Troll	\$ 6,751,000	17%
Seine	\$ 16,199,000	41%
Gillnet	\$ 16,838,000	42%
Total	\$ 39,788,000	100%

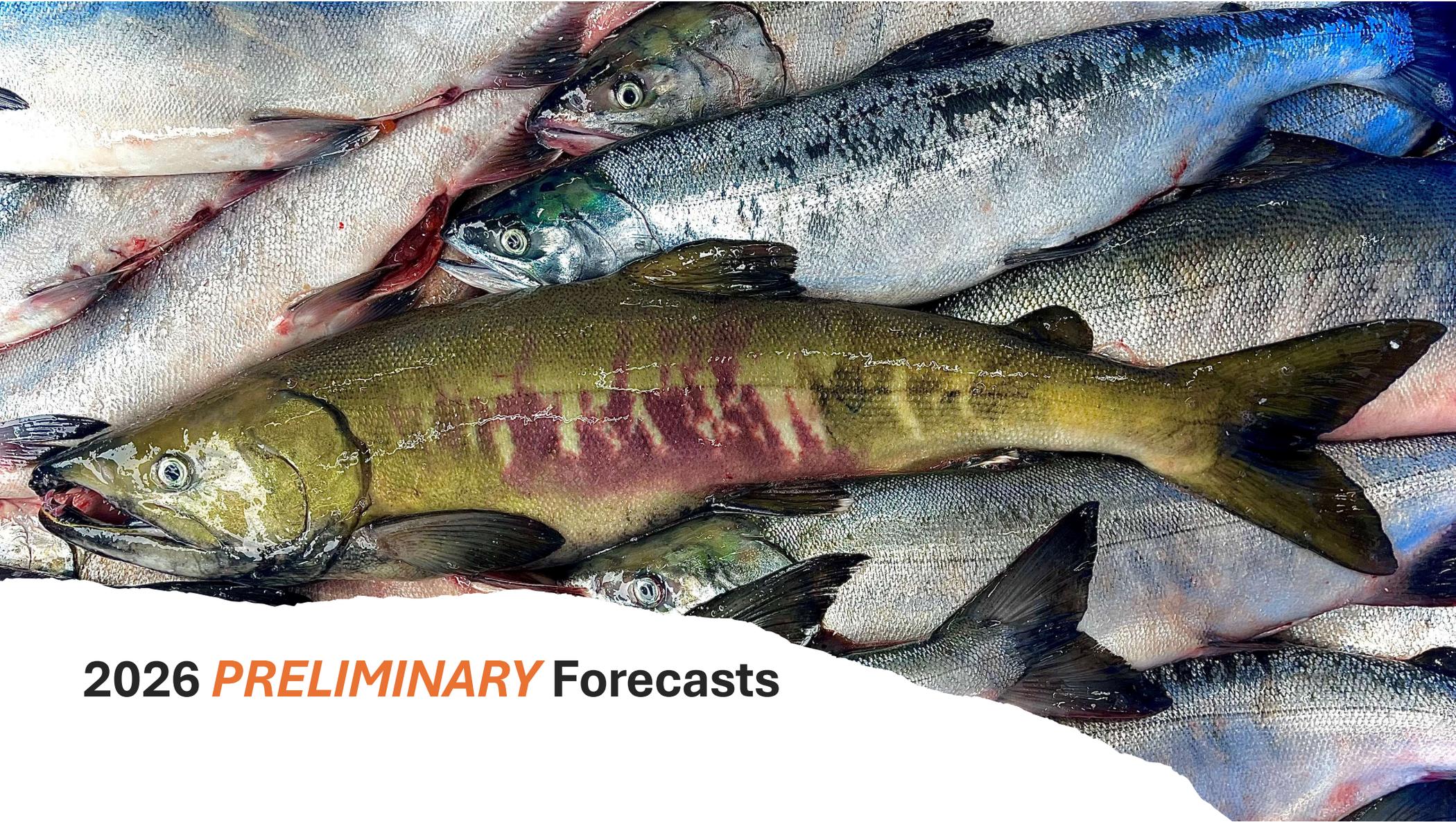
2025 Total Value	
Total Value - Wild & Enhanced	% Enhanced
\$ 24,237,000	28%
\$ 39,582,000	41%
\$ 21,886,000	77%
\$ 85,705,000	46%

2025 Allocation Estimates



2025 Allocation Estimates





2026 *PRELIMINARY* Forecasts

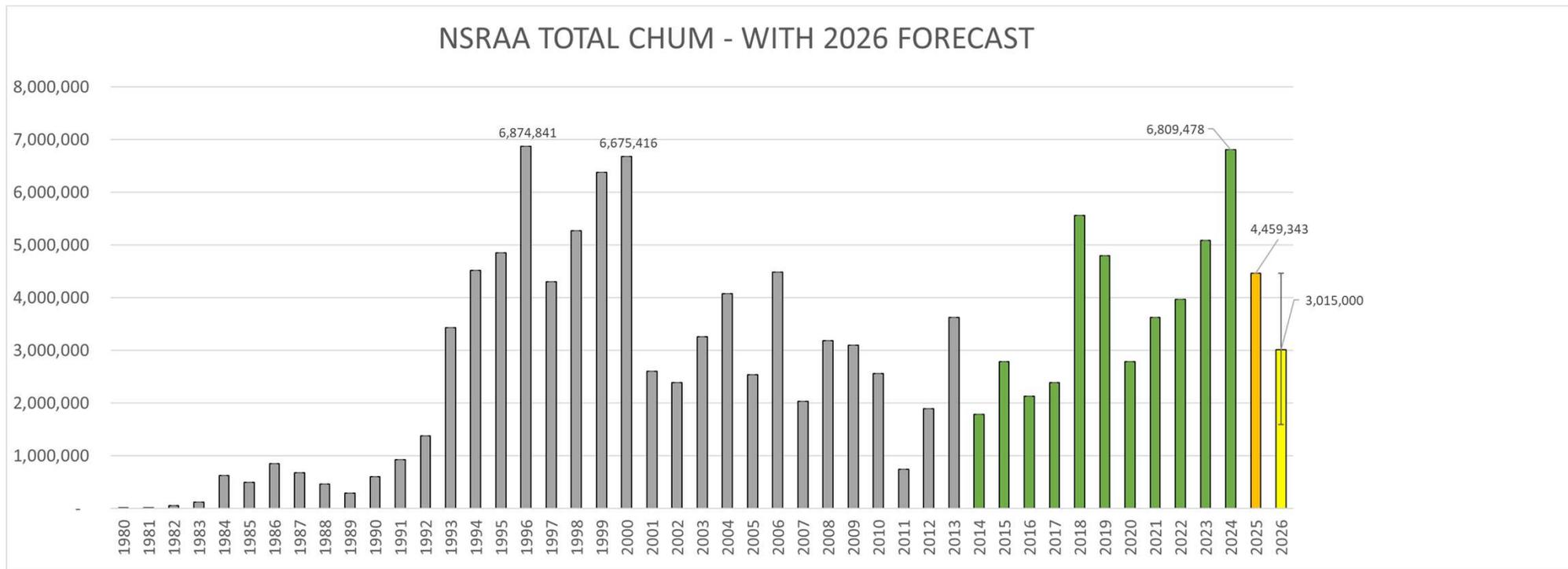


© Tim Knepp

2026 Chum Forecast

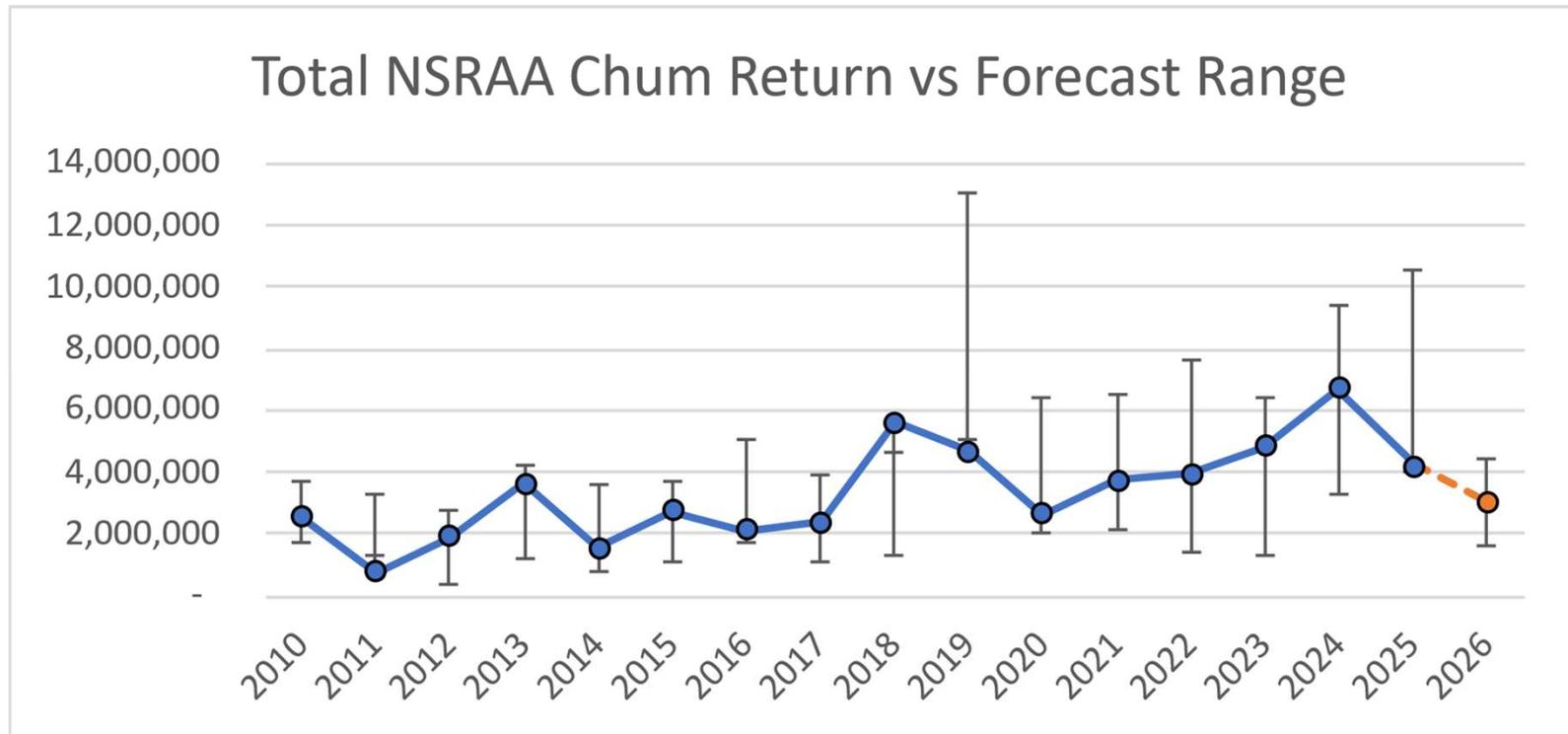
2026 Chum FORECASTS

3,015,000



2026 Chum FORECASTS

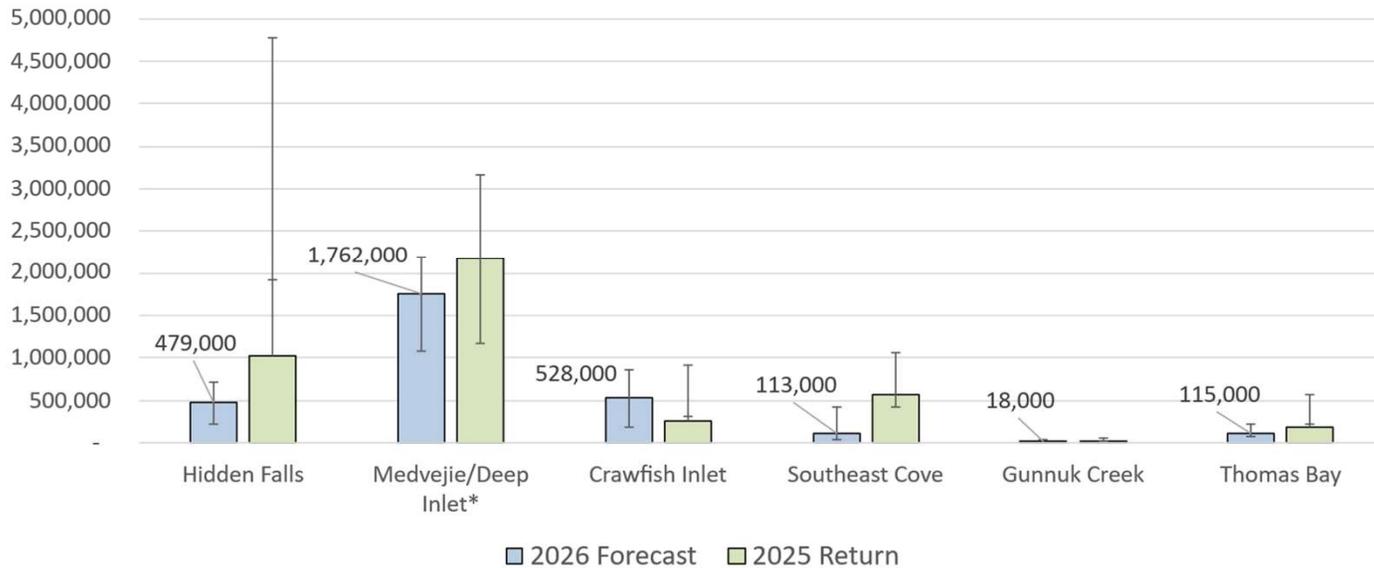
3,015,000



2026 Chum FORECASTS

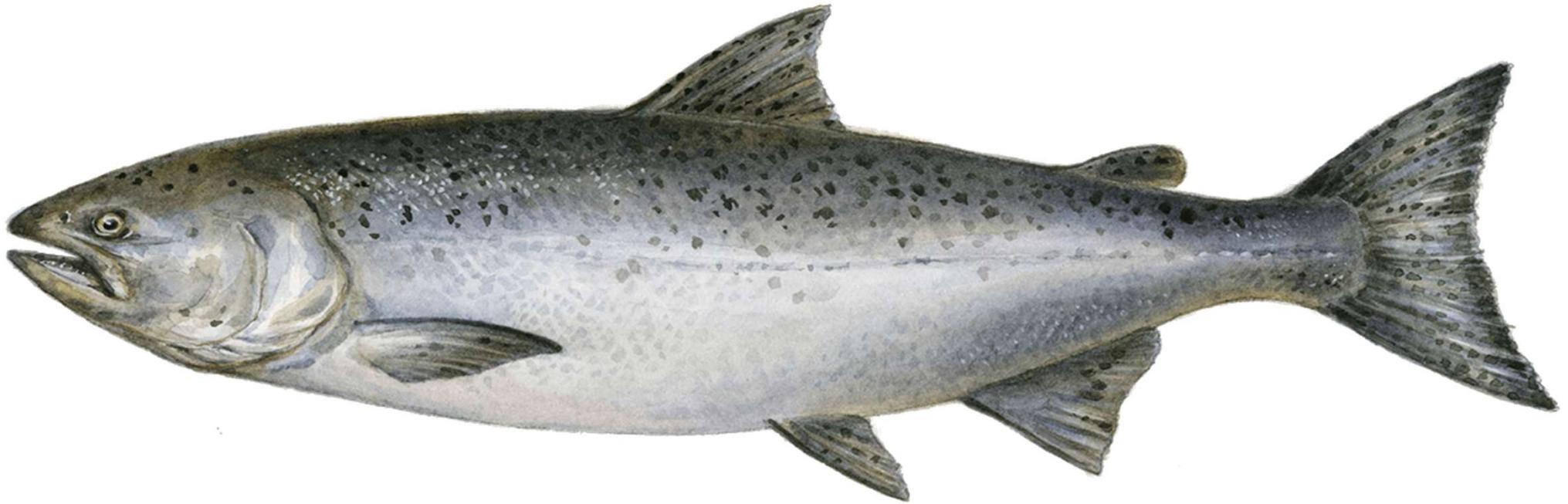
By SITE: 3,015,000

NSRAA CHUM - 2026 Forecast Range vs 2025 Return and Forecast Range



2026 Forecast Range vs 2025 Return and Forecast Range

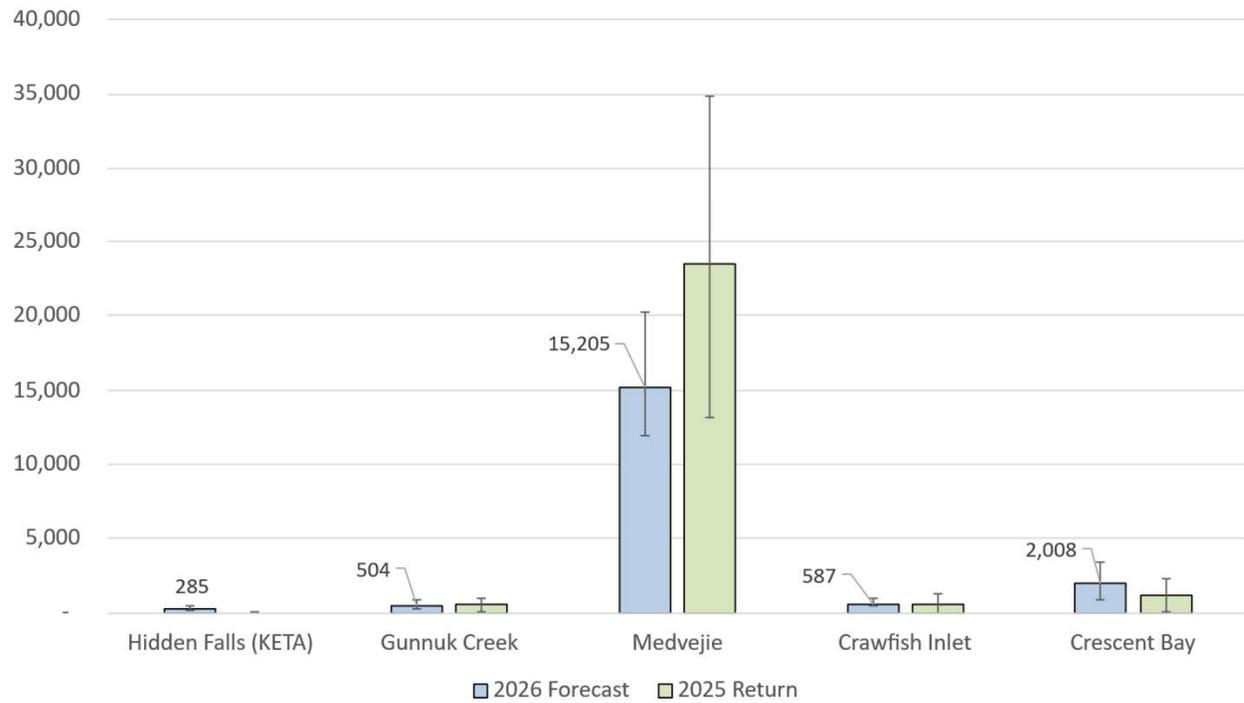




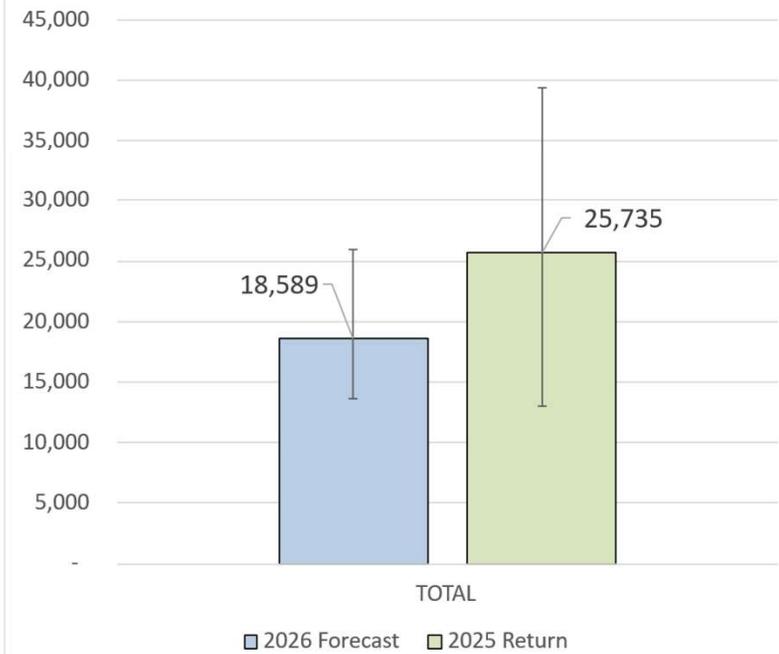
2026 Chinook Forecast

2026 Chinook Forecasts

2026 NSRAA Chinook Forecast Range vs 2025 Return and Forecast Range



2026 NSRAA Chinook Forecast Range vs 2025 Return and Forecast Range

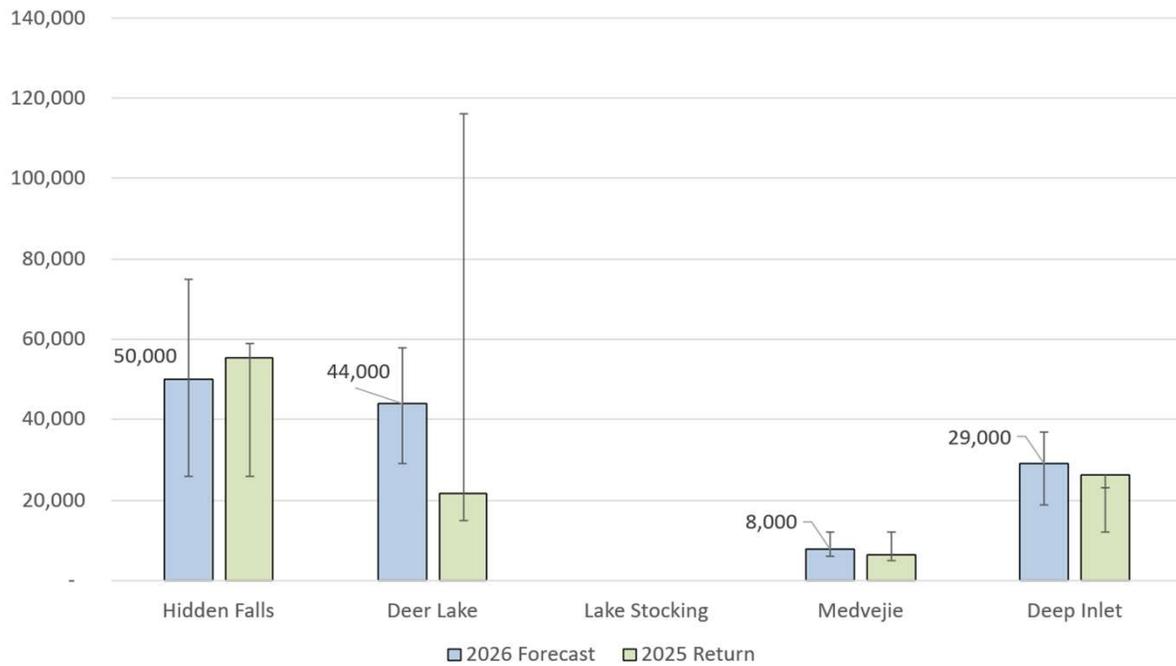




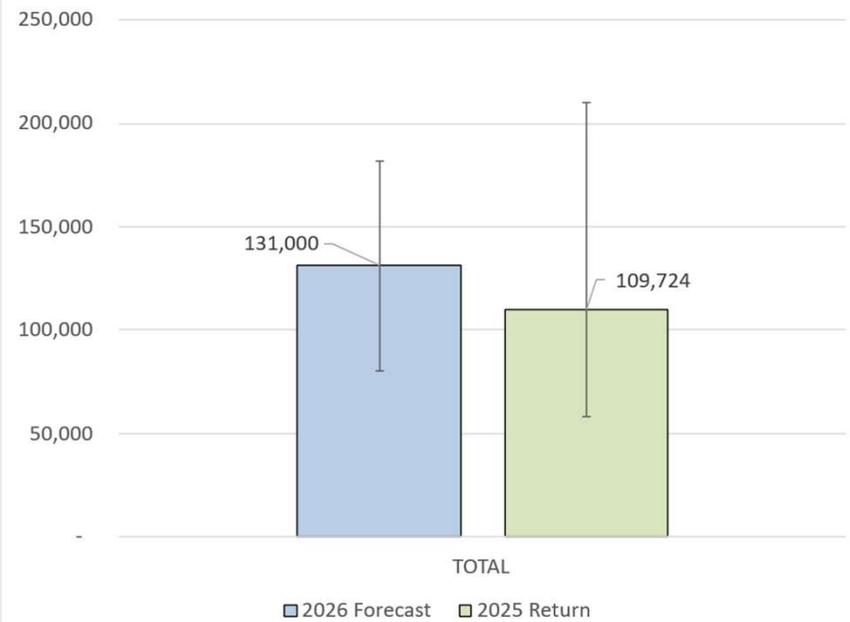
2026 Coho Forecast

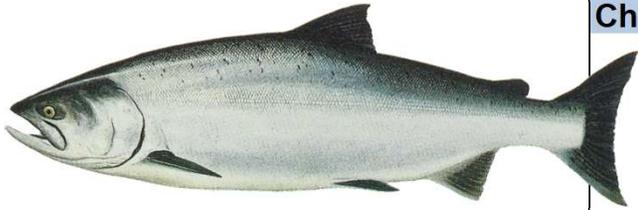
2026 Coho Forecast

2026 Forecast Range vs 2025 Return and Forecast Range



2026 Forecast Range vs 2025 Return and Forecast Range





NSRAA 2026 Return Projections					
Site	Projected Return	Range		2025 Return	2025 Forecast
		Low	High		
Chum					
<i>Hidden Falls</i>	479,000	220,000	718,000	1,030,813	2,666,000
<i>Medvejie/Deep Inlet*</i>	1,762,000	1,075,000	2,194,000	2,181,498	2,059,000
<i>Crawfish Inlet</i>	528,000	184,000	856,000	262,360	454,000
<i>Southeast Cove</i>	113,000	43,000	422,000	563,009	587,000
<i>Gunnuk Creek</i>	18,000	6,000	43,000	15,104	32,000
<i>Thomas Bay</i>	115,000	68,000	226,000	188,795	379,000
	3,015,000	1,596,000	4,459,000	4,241,579	6,177,000
Chinook					
<i>NEW- Hidden Falls (KETA STOCK)</i>	285	143	428	-	-
<i>Southeast Cove</i>	1,346	780	1,652	1,410	550
<i>Gunnuk Creek</i>	504	284	891	517	850
<i>Medvejie</i>	15,205	11,908	20,225	23,525	24,700
<i>Crawfish Inlet</i>	587	425	966	528	1,100
<i>Crescent Bay</i>	2,008	872	3,379	1,165	2,100
<i>Little Port Walter</i>	1,138	856	1,495	1,665	489
	21,073	15,268	29,036	28,810	29,789
Coho					
<i>Hidden Falls</i>	50,000	26,000	75,000	55,229	51,000
<i>Deer Lake</i>	44,000	29,000	58,000	21,821	48,000
<i>Lake Stocking</i>					
<i>Medvejie</i>	8,000	6,000	12,000	6,436	9,000
<i>Deep Inlet</i>	29,000	19,000	37,000	26,238	22,000
	131,000	80,000	182,000	109,724	130,000
ALL SPECIES TOTALS:	3,167,073	1,691,268	4,670,036	4,380,113	6,336,789

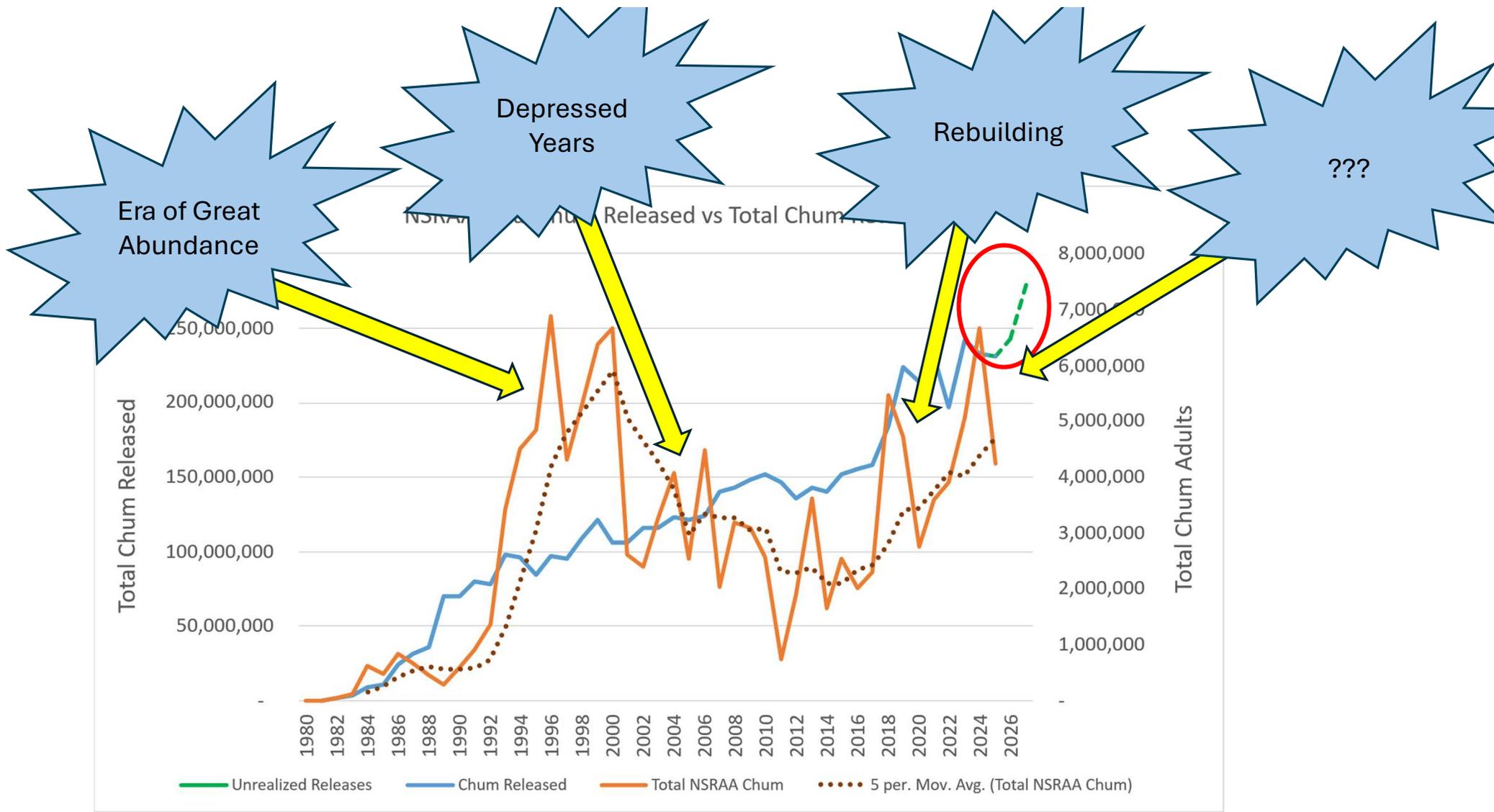
* Cooperative Project with SJH: Projections for Medvejie/Deep Inlet are for total returns (NSRAA + SJH fish)

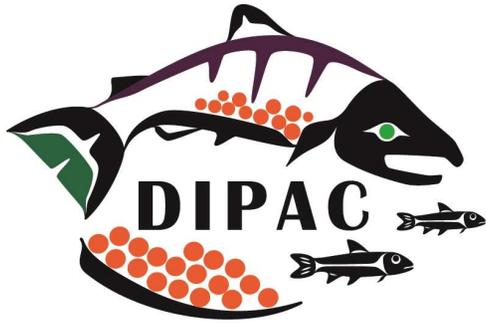
QUESTIONS??

Looking Ahead

- ***New release strategies already in effect...***
- ***Ongoing research...***
- ***AKI – Takatz Returns...***







**THANK
YOU!**

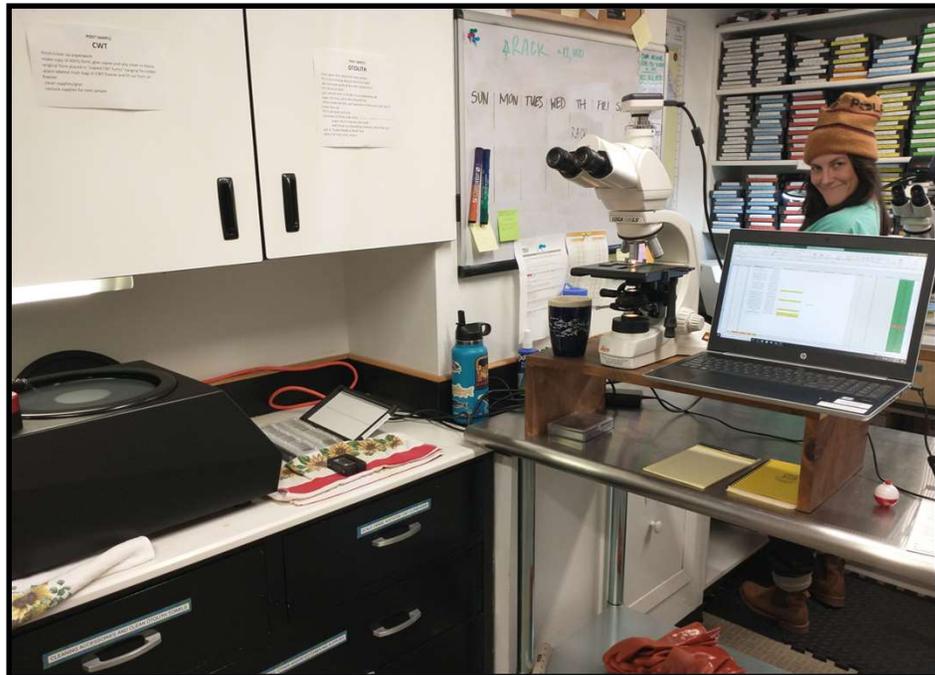


THANK YOU!

NSRAA Board NSRAA Maintenance

The old

The new!!





Ben



Annie



Taylor



Sam



Chelsea

Ben, Annie, Taylor, Sam, Chelsea

Kelsey, Gabby, Meredith, Maggie & Taggers!

2025 Research & Evaluation Team



Kelsey



Gabby



Meredith



Maggie