

# 2022 Southeast Alaska Salmon Escapements



Photo by Steve Heini

# Sockeye Salmon

Stock	Goal Type <sup>1</sup>	Estimated Escapement or Index	Escapement Goal Range	Comment	Enumeration Method
Hugh Smith Lake	OEG	1,657	8,000–18,000	Below Goal	Weir Count
McDonald Lake	SEG	34,100	55,000–120,000	Below Goal	Expanded Foot Survey
Stikine—Mainstem	SEG	45,000	20,000–40,000	Above Goal	Run Reconstruction
Stikine—Tahltan	BEG	53,200	18,000–30,000	Above Goal	Weir Count
Speel Lake	SEG	5,686	4,000–13,000		Weir Count
Taku River	SEG	94,300	40,000–75,000	Above Goal	Mark-recapture
Redoubt Lake	OEG	85,451	7,000–25,000	Above Goal	Weir Count
Chilkoot Lake	SEG	57,176	38,000–86,000		Weir Count
Chilkat Lake	BEG	95,928	70,000–150,000		Weir/Sonar Count
Situk River	BEG	90,369	30,000–70,000	Above Goal	Weir Count
Klukshu River	BEG	30,644	7,500–11,000	Above Goal	Weir Count
East Alsek River	BEG	23,800	9,000–24,000		Peak Aerial Survey

<sup>1</sup> Goal types include optimal (OEG), sustainable (SEG), and biological (BEG) escapement goals.

# McDonald Lake Sockeye Salmon Harvest

	2014	2015	2016	2017	2018	2019	2020	2021
<b>Commercial Harvest</b>	<b>46,000</b>	<b>65,600</b>	<b>26,600</b>	<b>8,500</b>	<b>2,200</b>	<b>11,000</b>	<b>3,400</b>	<b>26,000</b>
<b>Commercial Harvest Rate</b>	<b>50%</b>	<b>48%</b>	<b>62%</b>	<b>26%</b>	<b>16%</b>	<b>31%</b>	<b>28%</b>	<b>37%</b>
<b>Average</b>		<b>53%</b>				<b>28%</b>		
	<b>No Action Plan</b>			<b>Action Plan</b>				

- Over past five years largest harvests have occurred in District 6 drift gillnet and District 1,2, and 4 purse seine fisheries.
- Personal use harvest 1-3% annually.
- Recent results similar to past estimates based on genetics, thermal marks, or coded wire tags.



# Southern Southeast Subregion



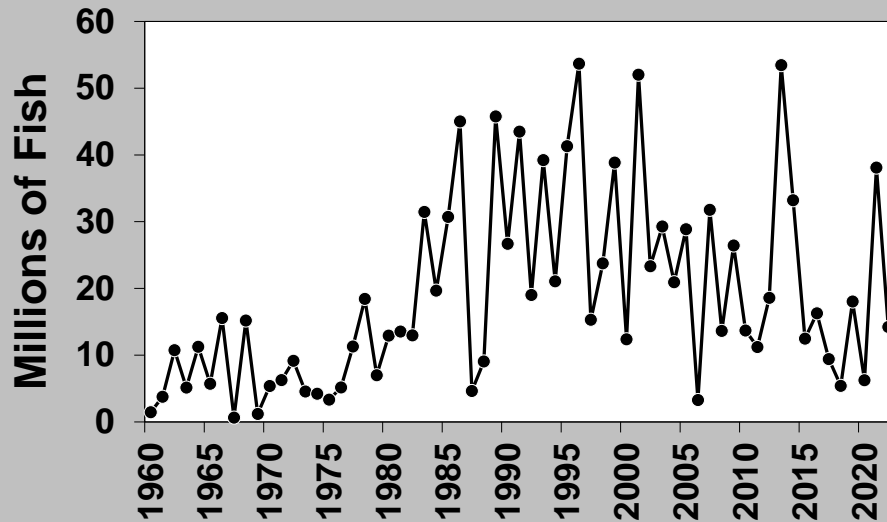
The map displays a coastal region with a complex network of waterways. The land is colored in shades of yellow and orange, while the water is light blue. A dense network of streams is shown in a darker orange color. A black arrow points from the text 'Sumner Strait' to a specific narrow waterway between two landmasses in the lower right portion of the map.

*Sumner Strait*

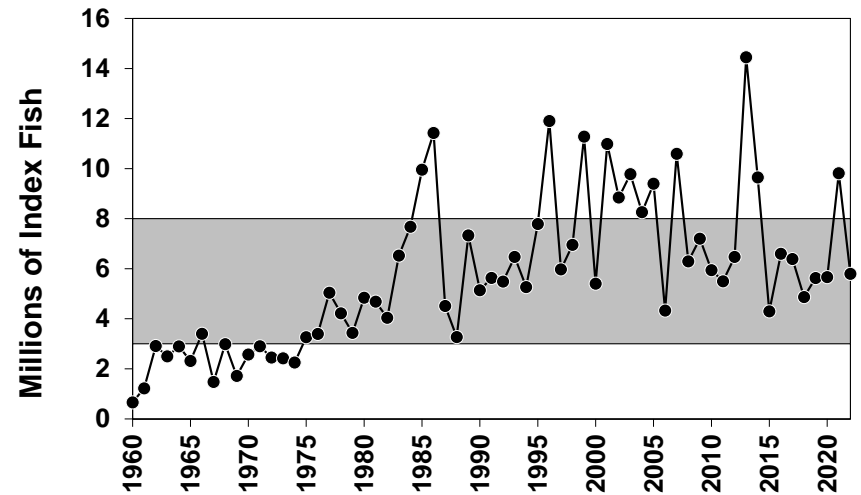
366 Index Streams

# Southern Southeast Subregion

## Harvest

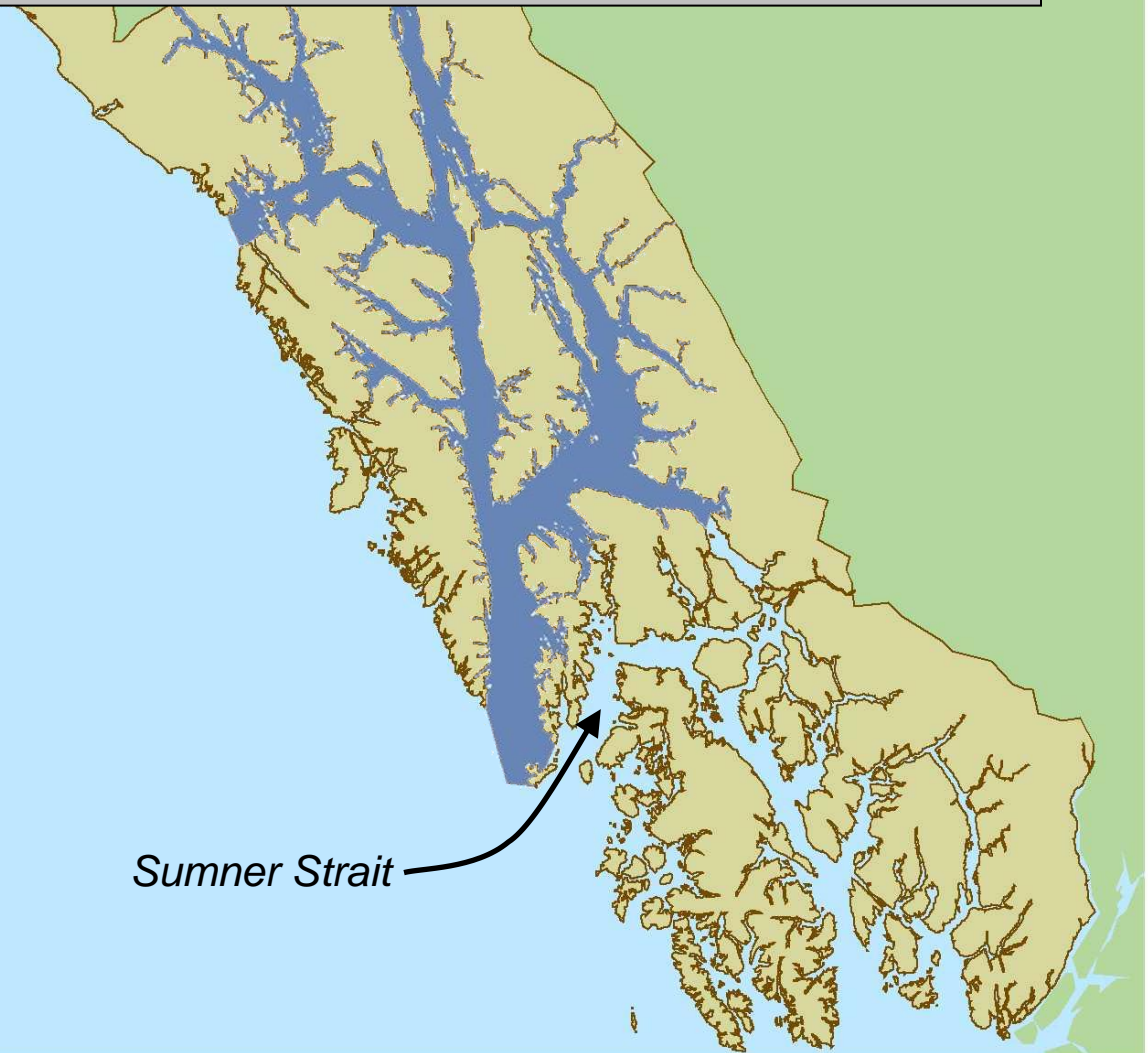


## Escapement Index



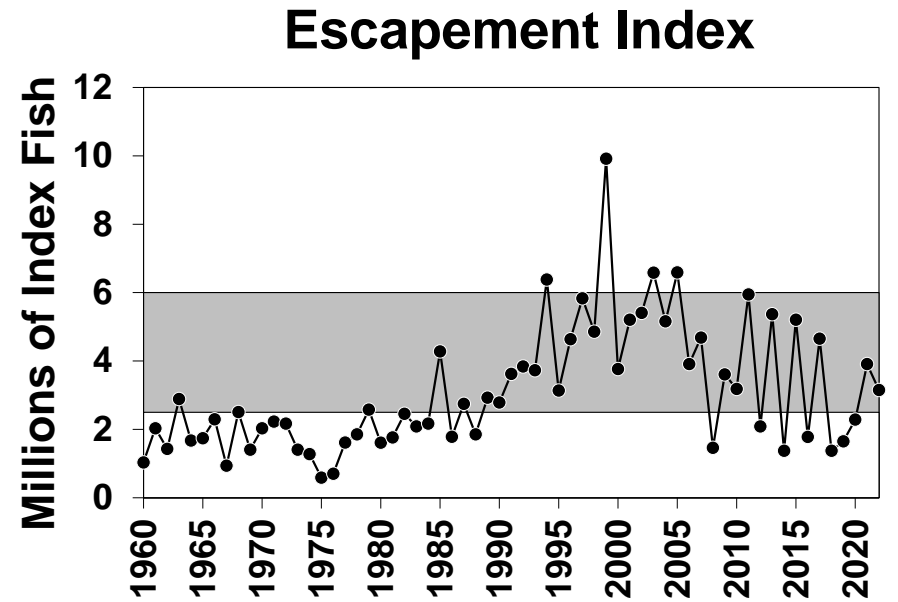
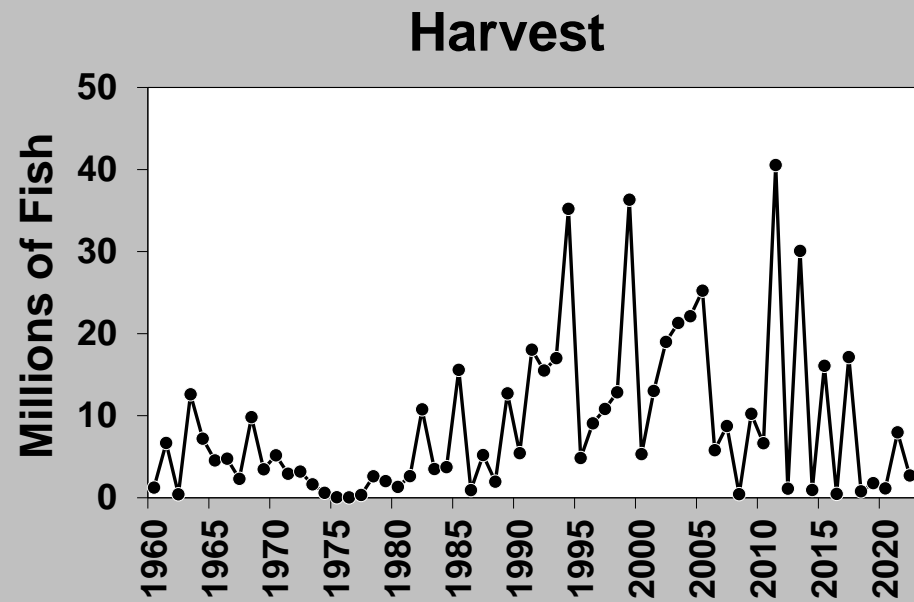
Sumner Strait

# Northern Southeast Inside Subregion



295 Index Streams

# Northern Southeast Inside Subregion



Sumner Strait

# Northern Southeast Outside Subregion

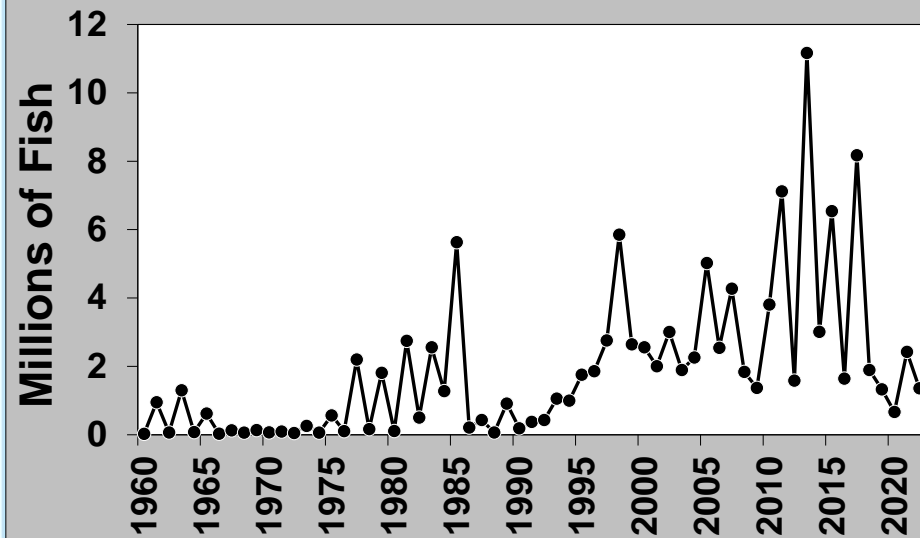


41 Index Streams

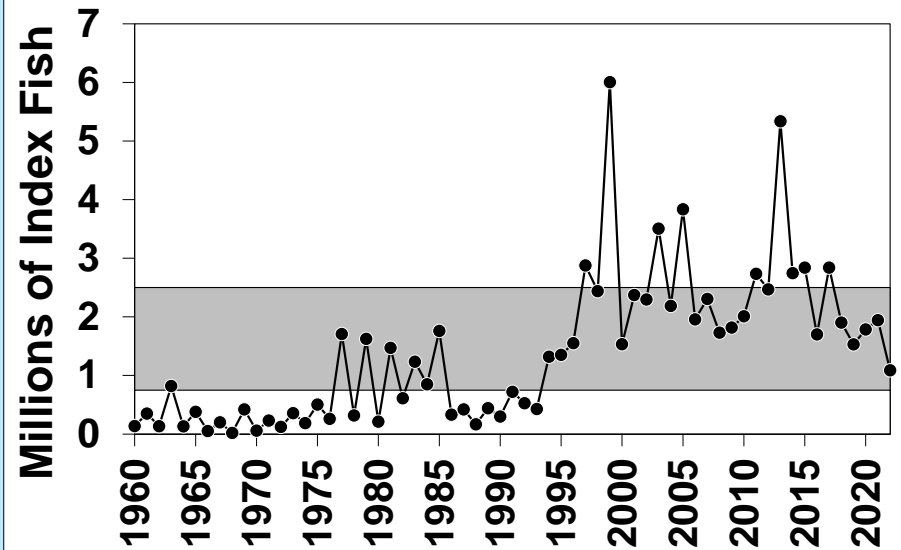


# Northern Southeast Outside Subregion

## Harvest

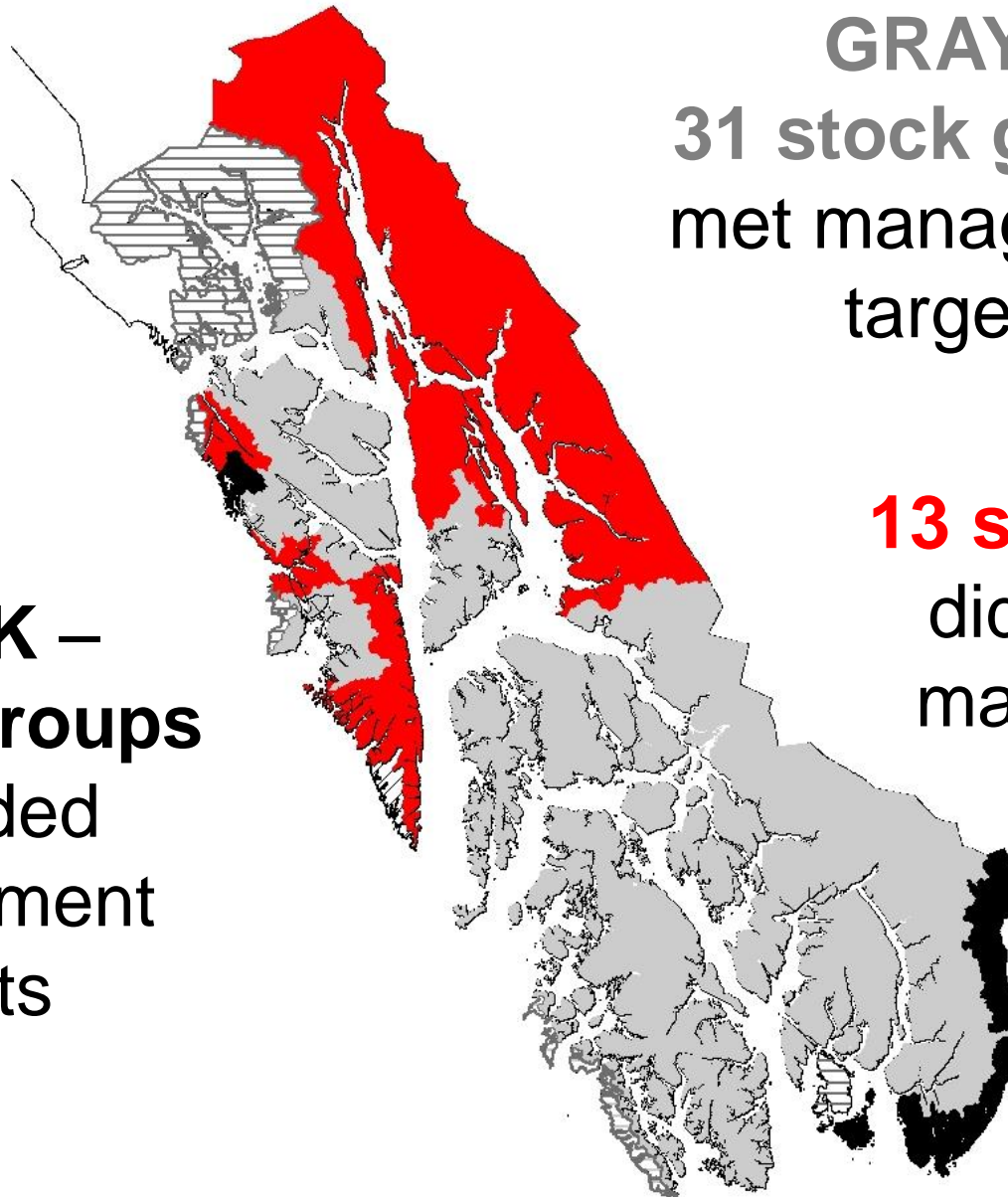


## Escapement Index



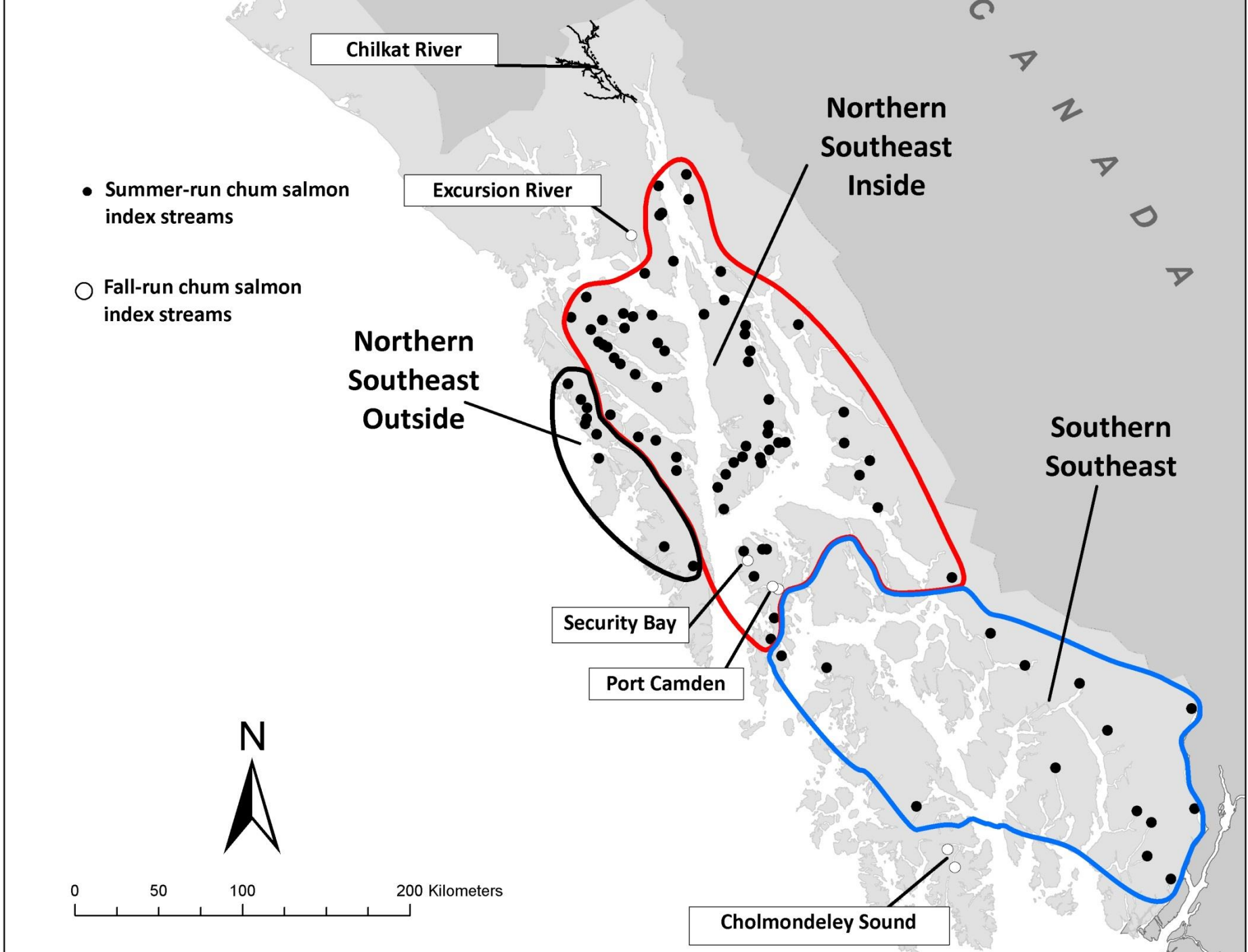
**2022**

**BLACK** –  
**2 stock groups**  
exceeded  
management  
targets



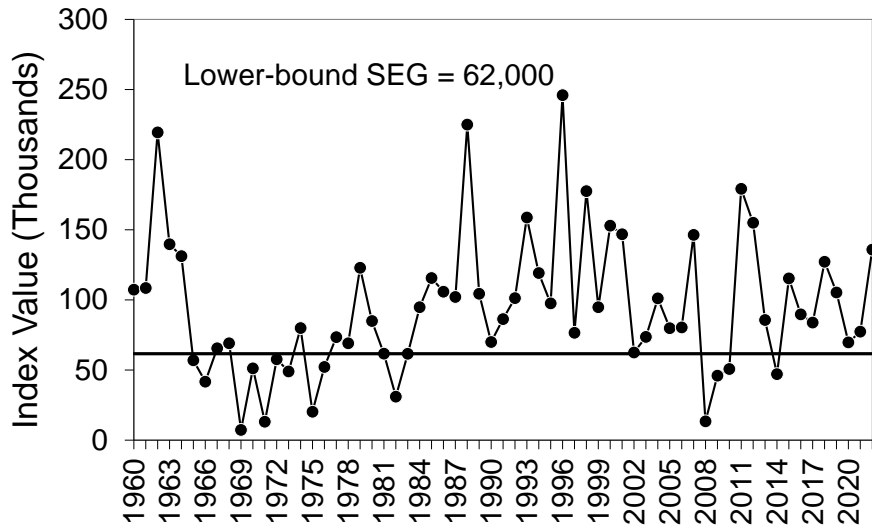
**GRAY** –  
**31 stock groups**  
met management  
targets

**RED** –  
**13 stock group**  
did not meet  
management  
targets

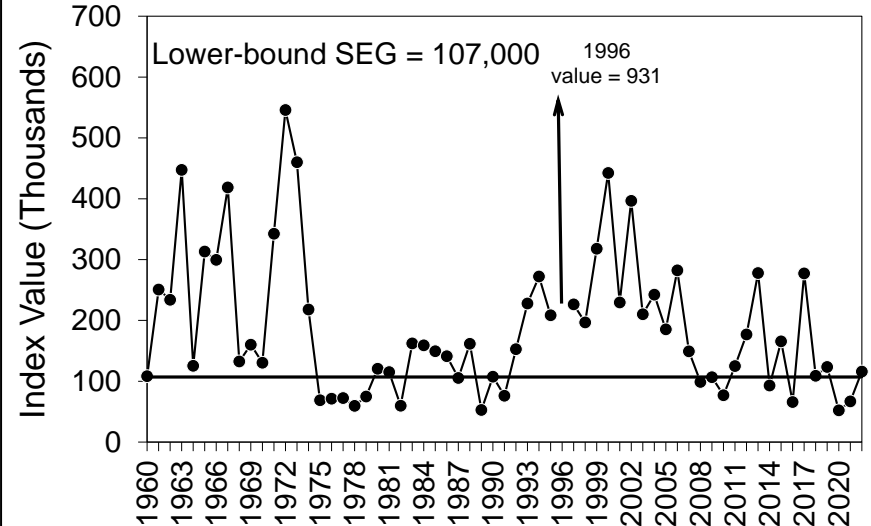


# Summer Chum Salmon

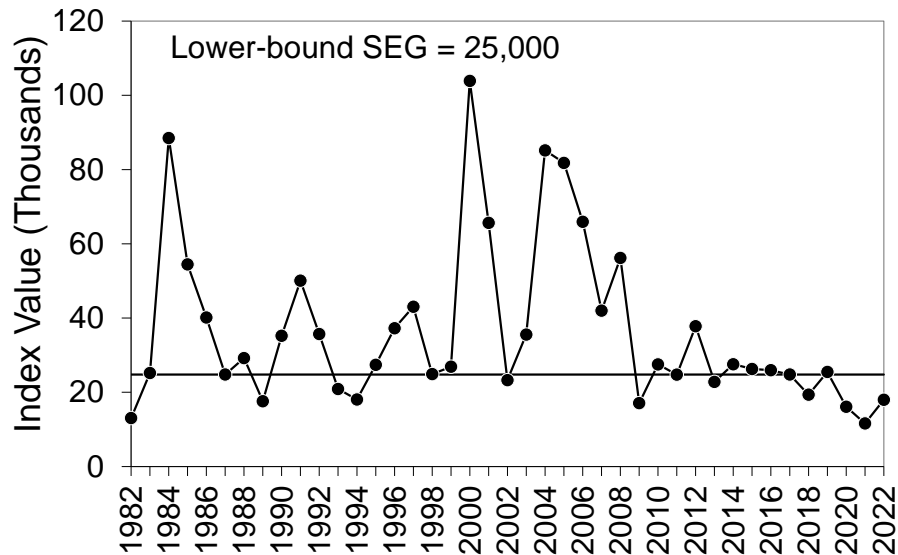
## Southern Southeast (Index Survey)



## Northern Southeast Inside (Index Survey)

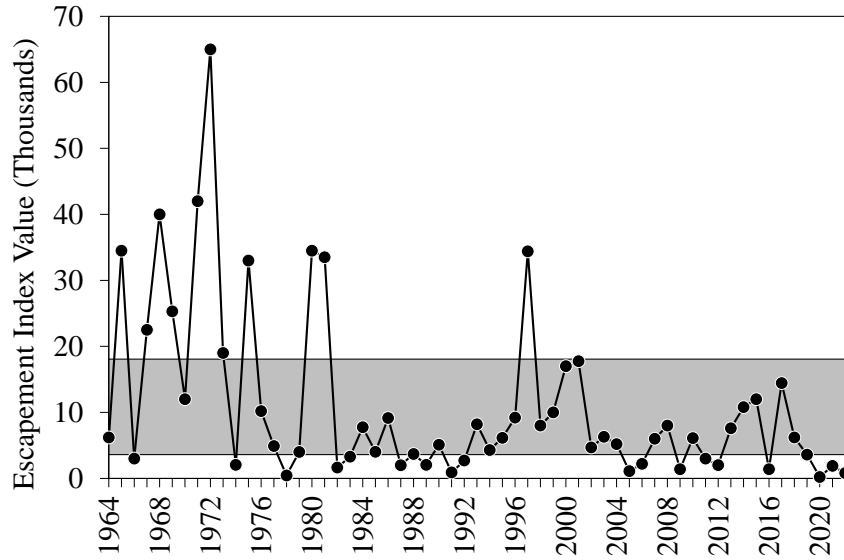


## Northern Southeast Outside (Index Survey)

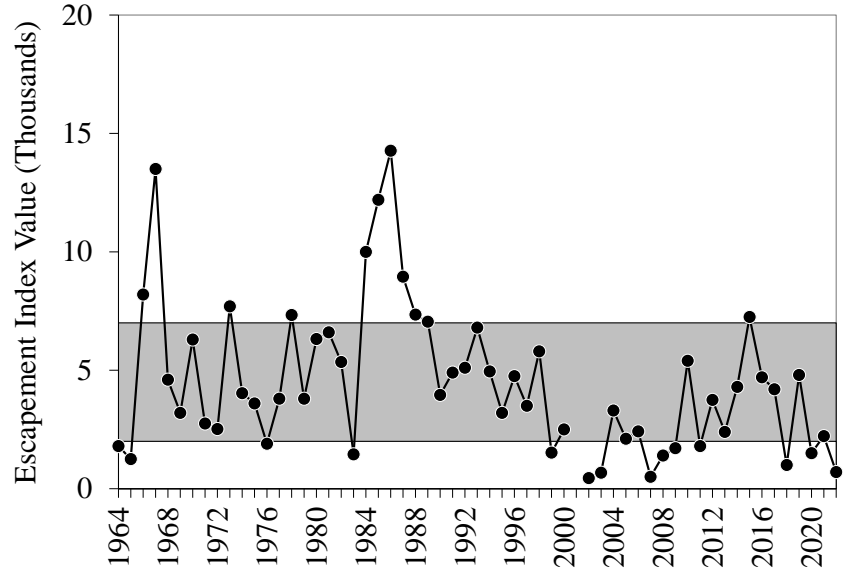


# Fall Chum Salmon

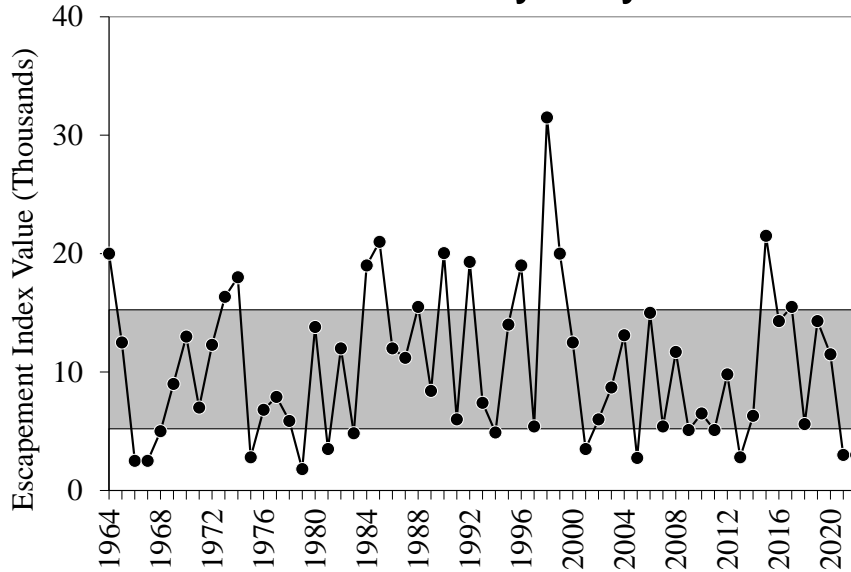
## Excursion River



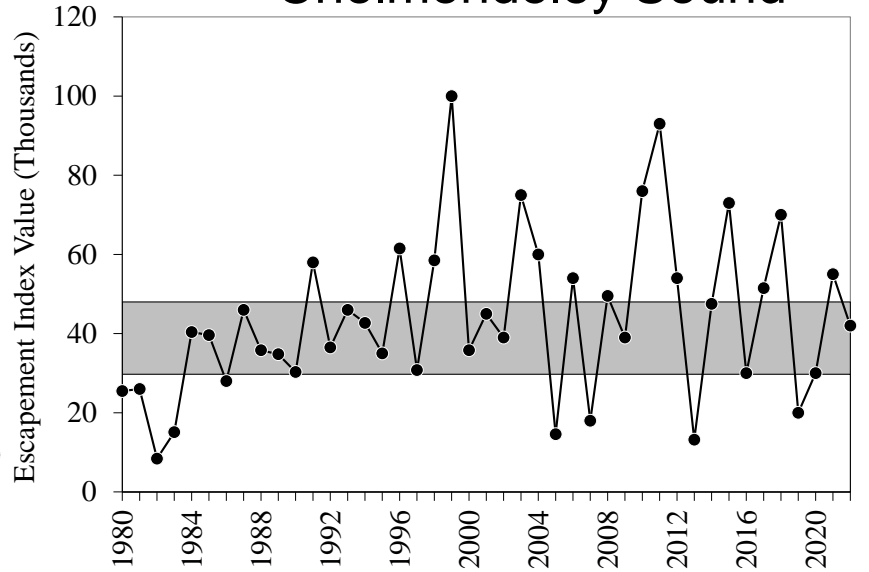
## Port Camden



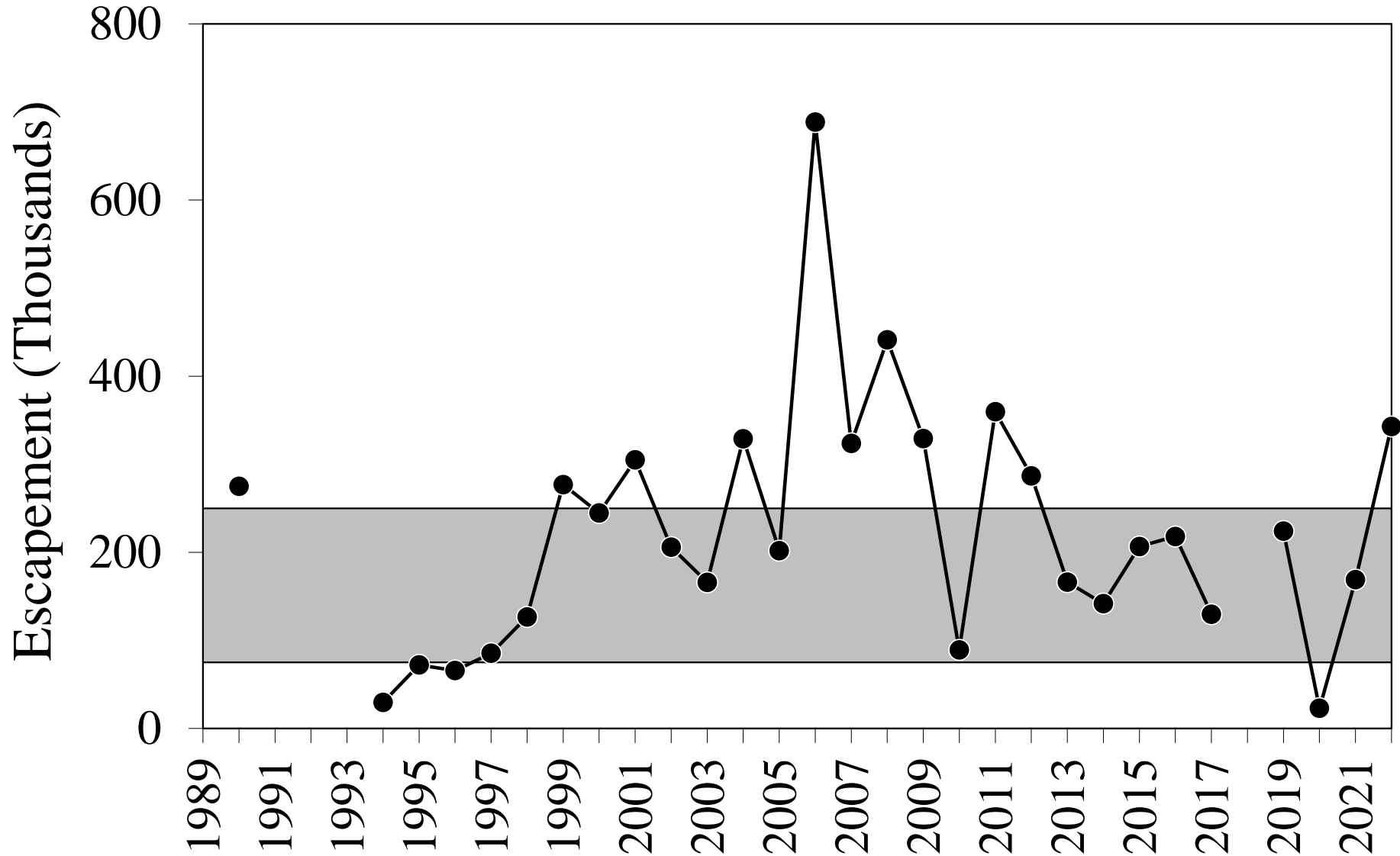
## Security Bay



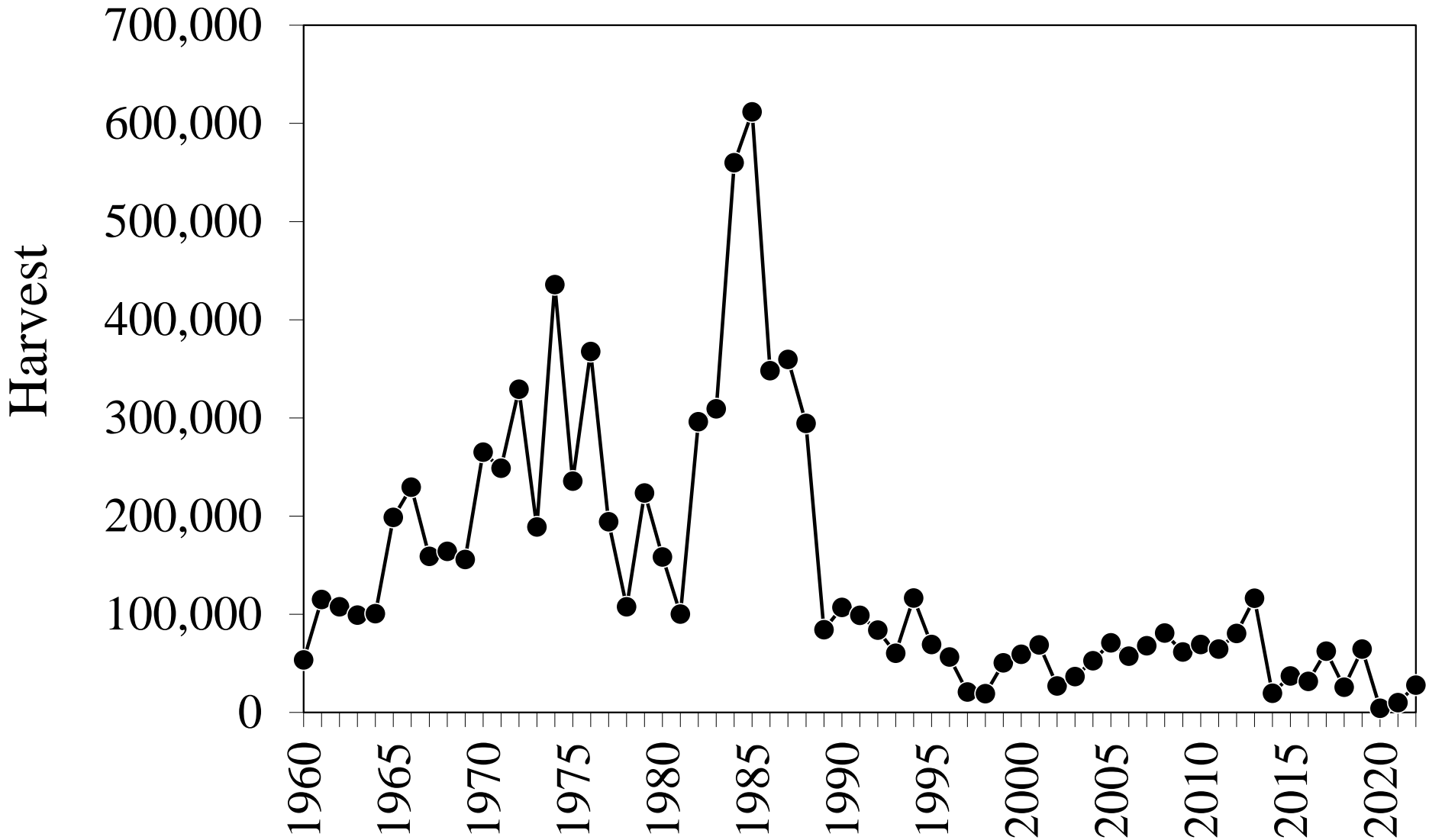
## Cholmondeley Sound



# Chilkat River Fall Chum Salmon



# Lynn Canal Fall Chum Salmon Harvest, 1960-2022



# Coho Salmon

Stock	Goal Type <sup>1</sup>	Estimated Escapement or Index	Escapement Goal Range	Comment	Enumeration Method
Tawah Creek	SEG	No Data	1,400–4,200		Weir Count
Situk River	BEG	No Data-	3,300–9,800		Boat Survey
Tsiu/Tsivat Rivers	BEG	No Data	10,000–29,000		Peak Aerial Survey
Chilkat River	BEG	-	30,000–70,000		Mark-recapture/Foot Survey
Berners River	BEG	4,472	3,600–8,100		Peak Aerial/Foot Survey
Montana Creek	SEG	No Peak	400–1,200		Foot Survey
<b>Peterson Creek</b>	<b>SEG</b>	<b>65</b>	<b>100–250</b>	<b>Preliminary</b>	<b>Foot Survey</b>
Taku River	BEG	-	50,000–90,000		Mark-recapture
Auke Creek	BEG	448	200–500	Preliminary	Weir Count
Sitka Survey Index	BEG	1,363	400–800	Preliminary	Peak Aerial Survey
Ketchikan Survey Index	BEG	11,945	4,250–8,500	Above Goal	Foot Survey
Hugh Smith Lake	BEG	892	500–1,600		Weir Count

<sup>1</sup> Goal types include optimal (OEG), sustainable (SEG), and biological (BEG) escapement goals.



# Chinook Salmon

System	Escapement Goal <sup>a</sup>	Escapement <sup>b</sup>					
		2017	2018	2019	2020 <sup>b</sup>	2021 <sup>b</sup>	2022 <sup>b</sup>
Keta River	550–1,300	903	1,662	1,041	668	707	689
Blossom River	500–1,400	341	1,087	557	515	170	395
<i>Chickamin River</i>	2,150–4,300	722	2,052	1,610	2,280	2,404	2,522
<i>Unuk River</i>	1,800–3,800	1,203	1,971	3,115	1,135	2,666	1,304
<i>Stikine River</i>	14,000–28,000	7,335	8,603	13,817	9,753	8,376	9,090
<i>Andrew Creek</i>	650–1,500	349	482	698	470	530	821
<i>King Salmon River</i>	120–240	85	30	27	100	134	123
<i>Taku River</i>	19,000–36,000	8,214	7,271	11,558	15,593	11,341	12,722
<i>Chilkat River</i>	1,750–3,500	1,173	873	2,028	3,180	2,038	1,582
Alsek River	3,500–5,300	1,741	4,348	6,327	5,286	5,578	3,365
Situk River	450–1,050	1,187	420	623	1,197	1,064	890

**Note:** Gray cells indicate lower bound of the escapement goal not met.

# Questions?

