

# 2023 Southeast Alaska Salmon Escapements



Photo by Teresa Fish



# Sockeye Salmon

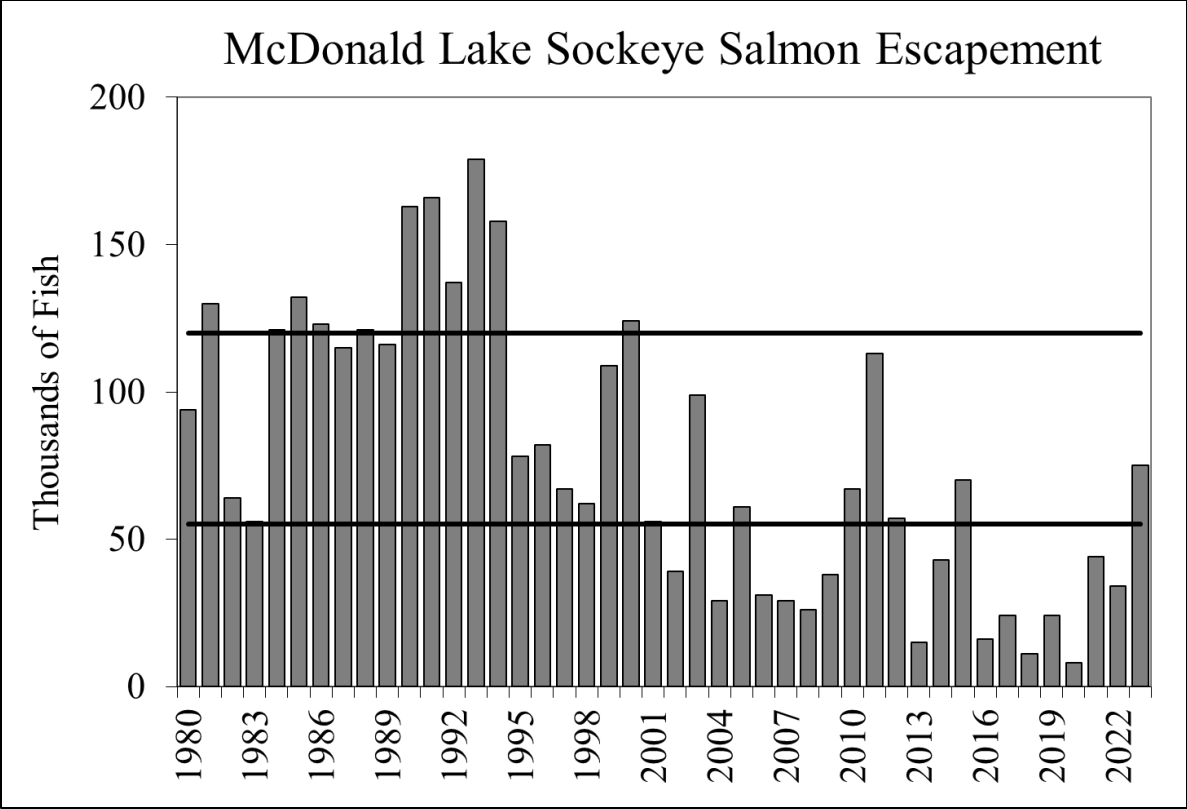
Stock	Goal Type <sup>1</sup>	Estimated Escapement or Index	Escapement Goal Range	Comment	Enumeration Method
Hugh Smith Lake	OEG	1,689	8,000–18,000	Below Goal	Weir Count
<i>McDonald Lake</i>	<i>SEG</i>	<i>74,900</i>	<i>55,000–120,000</i>		<i>Expanded Foot Survey</i>
Stikine—Mainstem	SEG		20,000–40,000	In progress	Run Reconstruction
Stikine—Tahltan	BEG	38,000	18,000–30,000	Above Goal	Weir Count
Speel Lake	SEG	3,556	4,000–13,000	Below Goal	Weir Count
Taku River	SEG	123,000	40,000–75,000	Above Goal	Mark-recapture
Redoubt Lake	OEG	153,406	7,000–25,000	Above Goal	Weir Count
Chilkoot Lake	SEG	67,674	38,000–86,000		Weir Count
Chilkat Lake	BEG	128,002	70,000–150,000		Weir/Sonar Count
Situk River	BEG	127,873	30,000–70,000	Above Goal	Weir Count
<i>Klukshu River</i>	<i>BEG</i>	<i>14,118</i>	<i>7,500–11,000</i>	<i>Above Goal</i>	<i>Weir Count</i>
East Alsek River	BEG	19,300	9,000–24,000		Peak Aerial Survey

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

Escapements below the goal range are highlighted in red

Current stocks of concern in *bold*

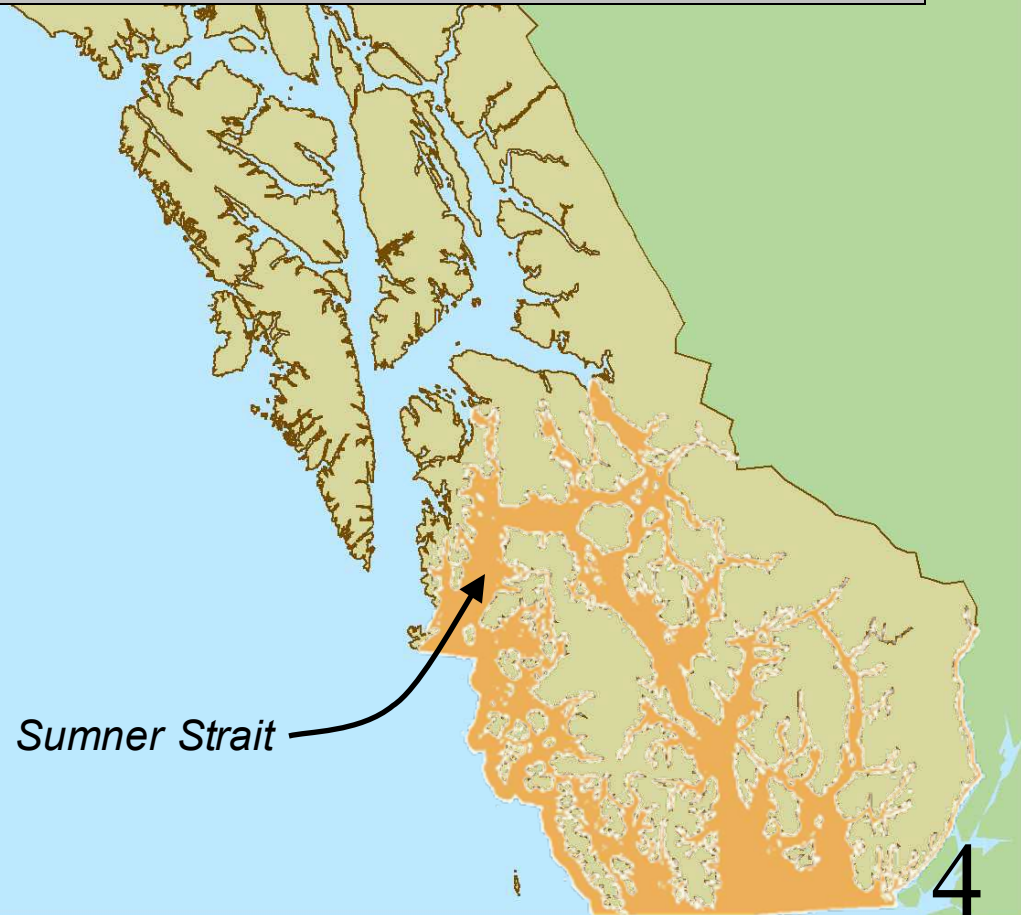
# McDonald Lake Sockeye Salmon



Year	2014	2015	2016	2017	2018	2019	2020	2021	2022
Commercial Harvest	46,000	65,600	26,600	8,500	2,200	11,000	3,400	26,100	17,800
Commercial Harvest Rate	50%	48%	62%	26%	16%	31%	28%	37%	34%
<b>Average</b>	<b>53%</b>			<b>29%</b>					
	<b>No Action Plan</b>			<b>Action Plan</b>					

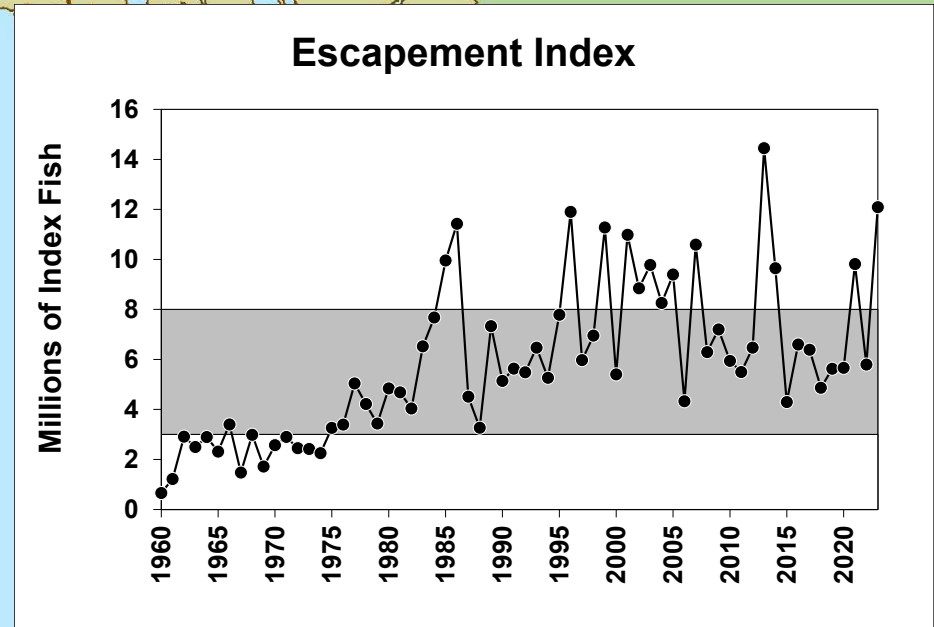
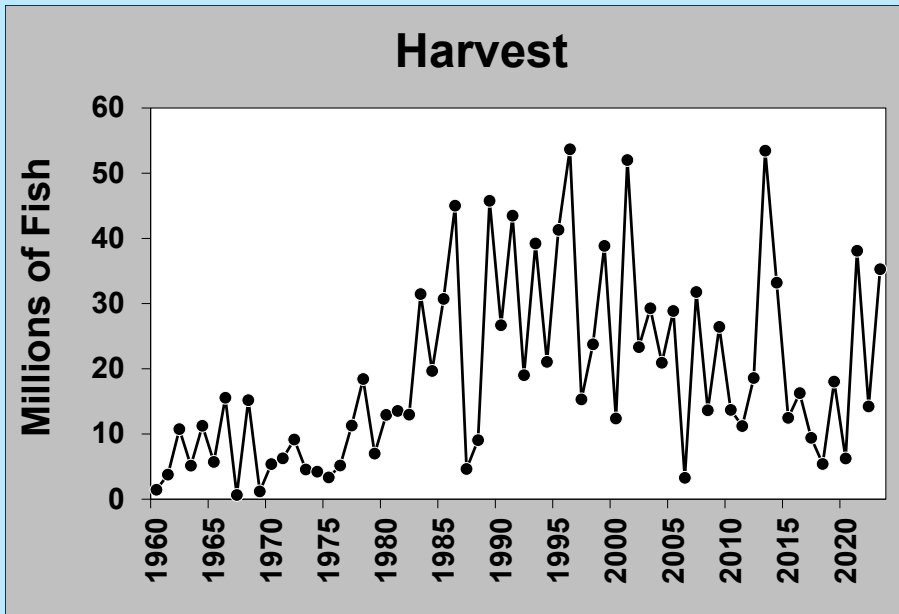
# Pink Salmon

## Southern Southeast Subregion



366 Index Streams

# Southern Southeast Subregion



Sumner Strait

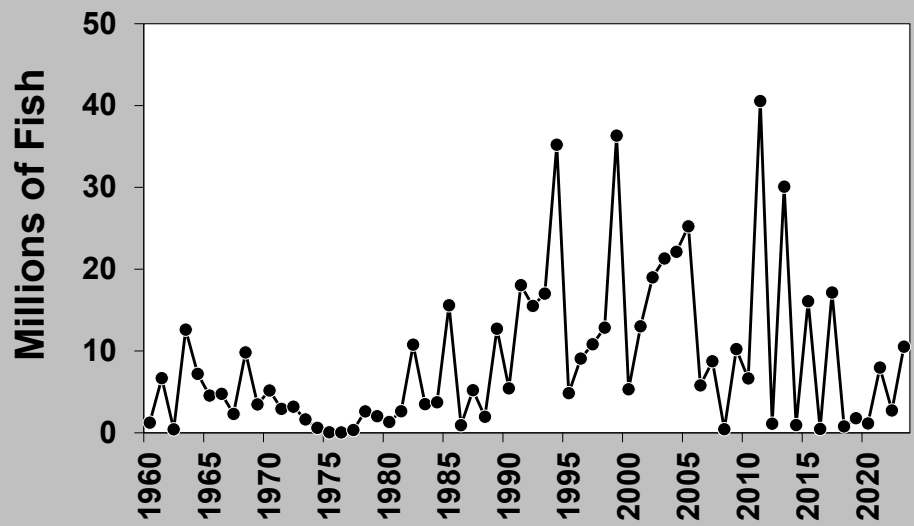
# Northern Southeast Inside Subregion



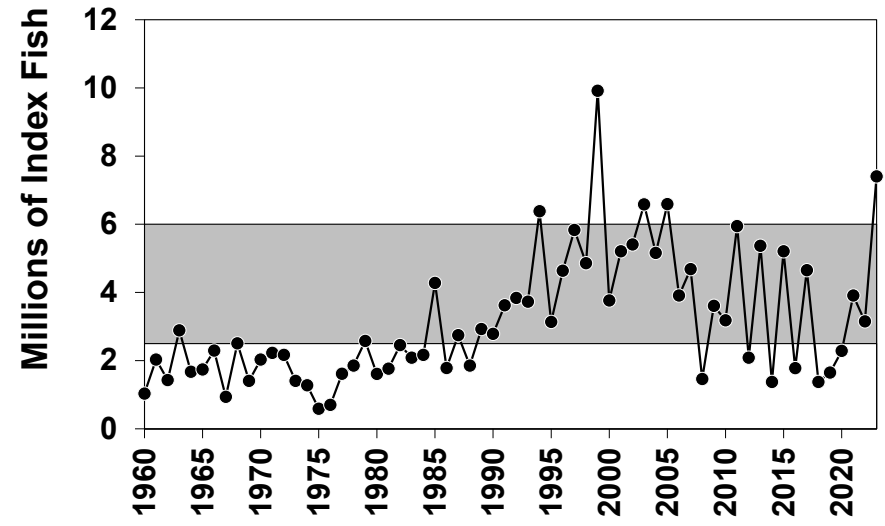
295 Index Streams

# Northern Southeast Inside Subregion

### Harvest



### Escapement Index



Sumner Strait



# Northern Southeast Outside Subregion

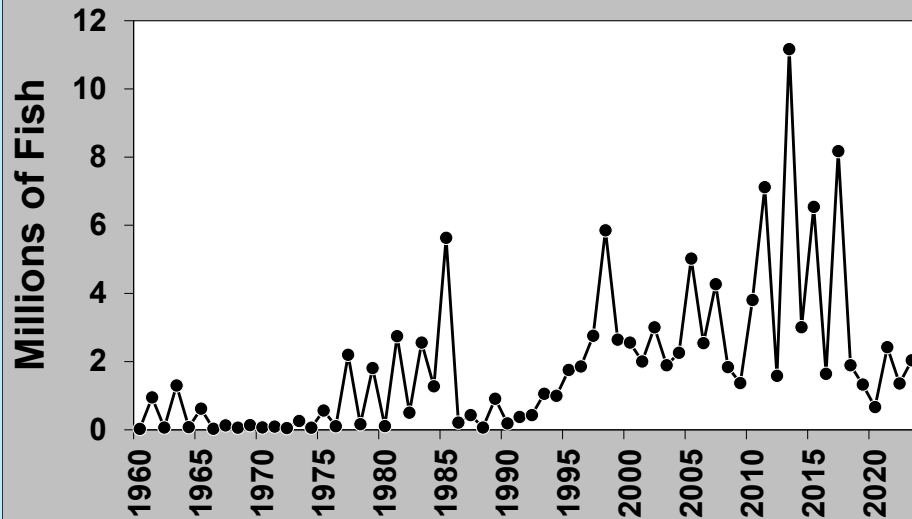


41 Index Streams

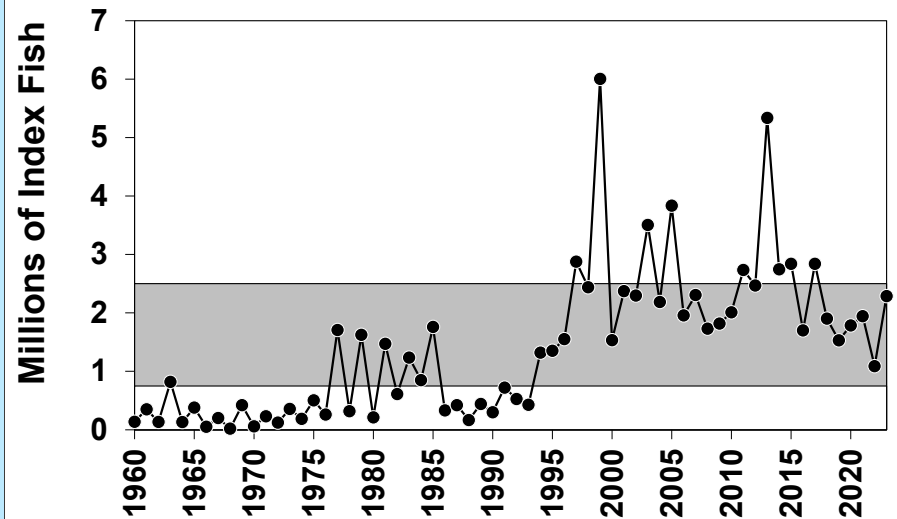


# Northern Southeast Outside Subregion

## Harvest

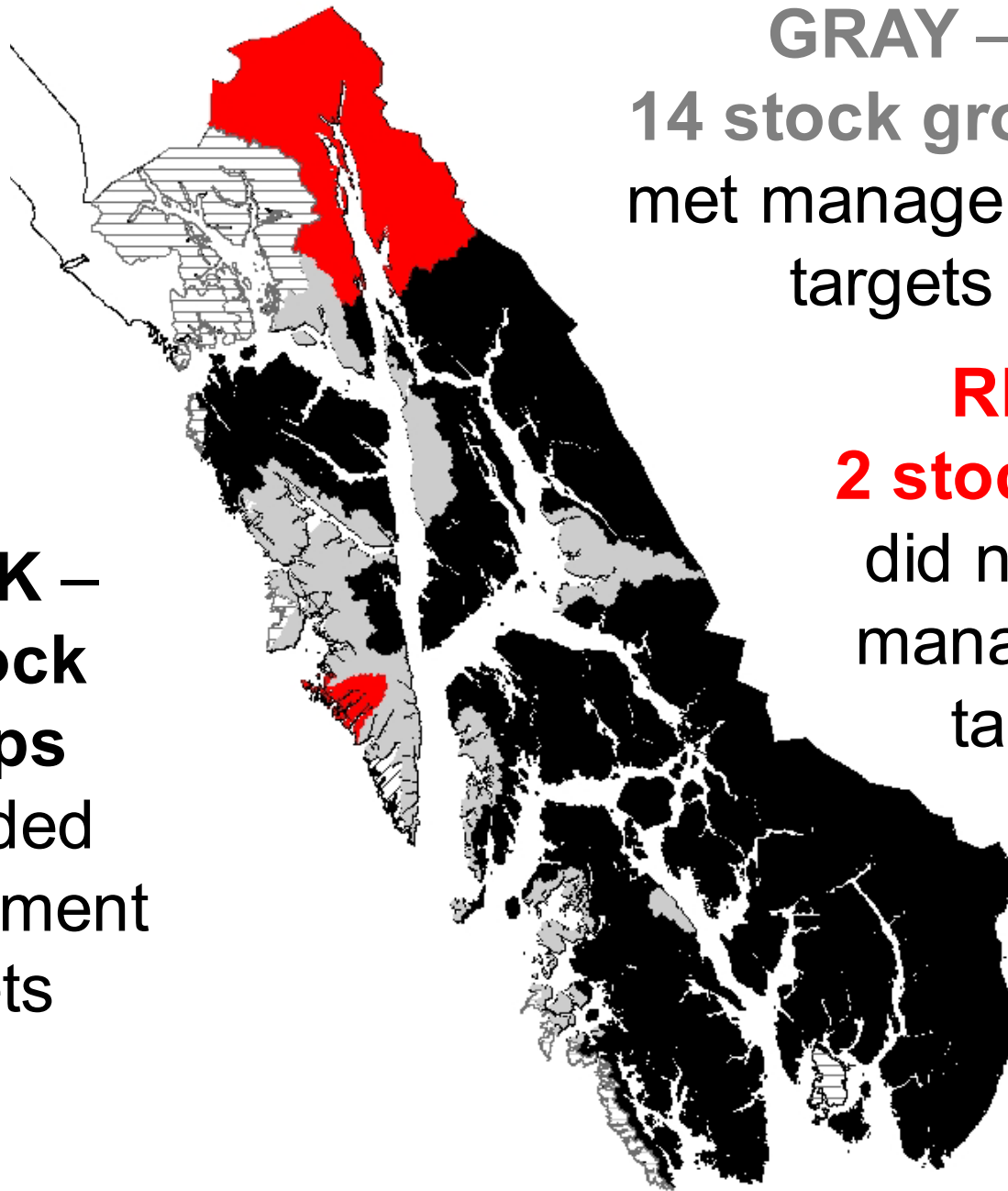


## Escapement Index



**2023**

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



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

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

# Chum Salmon

- Summer-run chum salmon index streams
- Fall-run chum salmon index streams

Chilkat River

Excursion River

Northern  
Southeast  
Inside

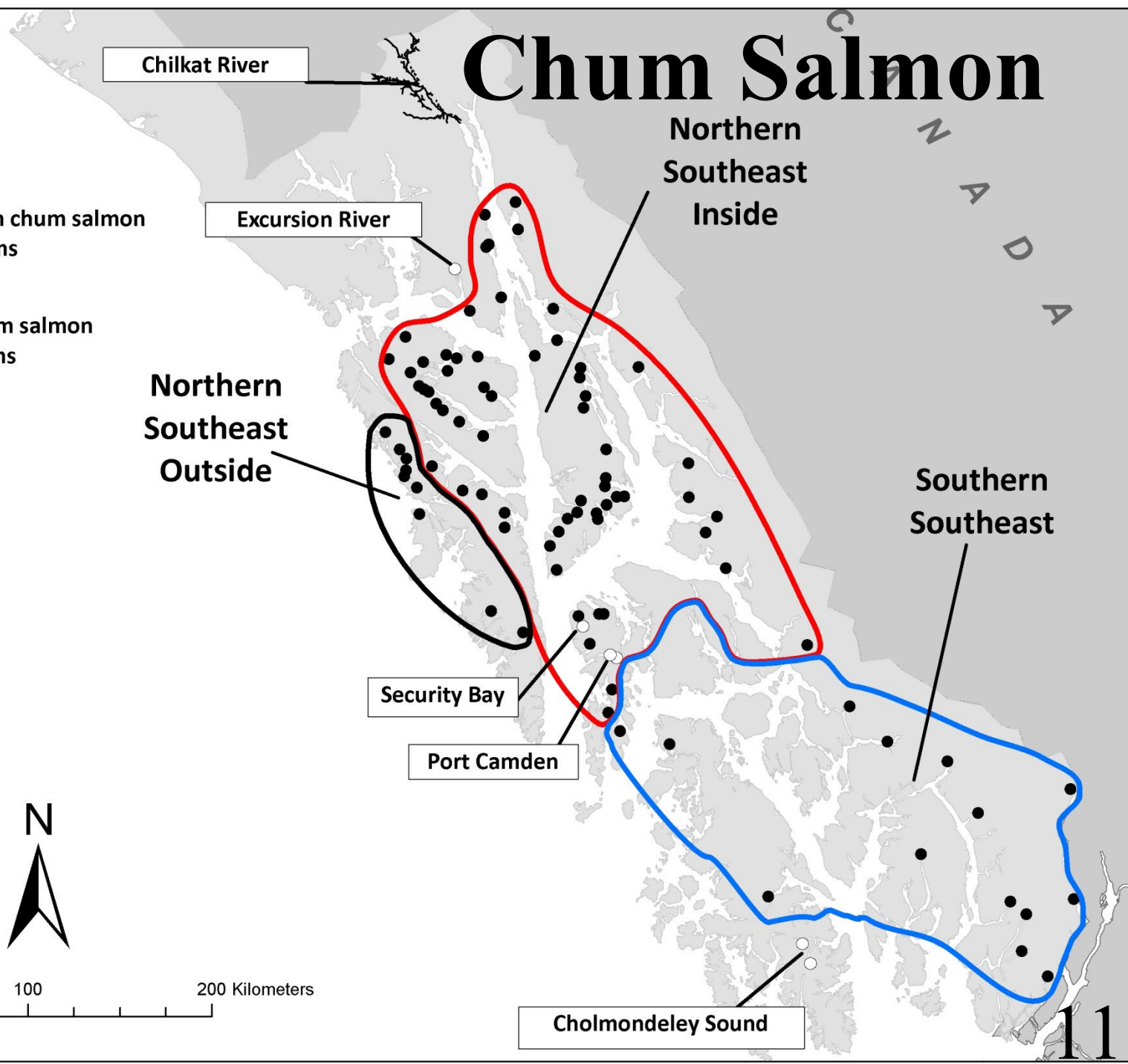
Northern  
Southeast  
Outside

Southern  
Southeast

Security Bay

Port Camden

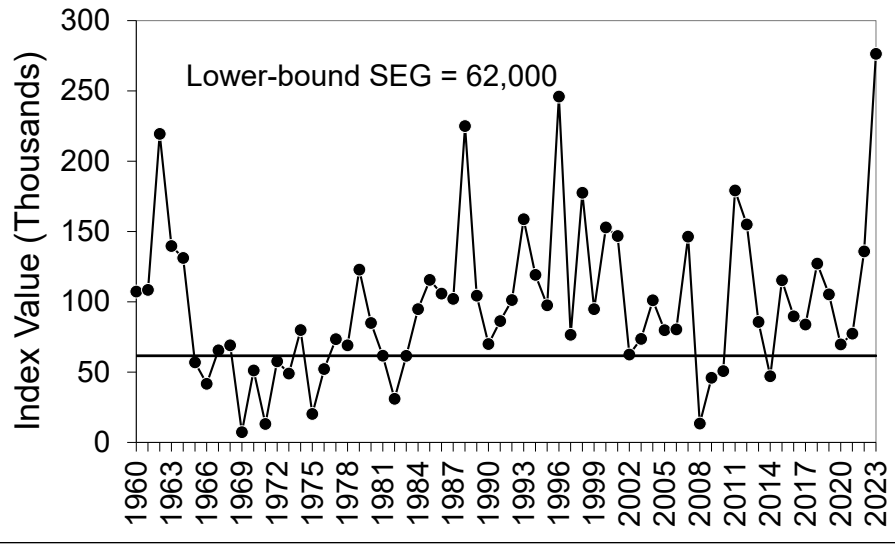
Cholmondeley Sound



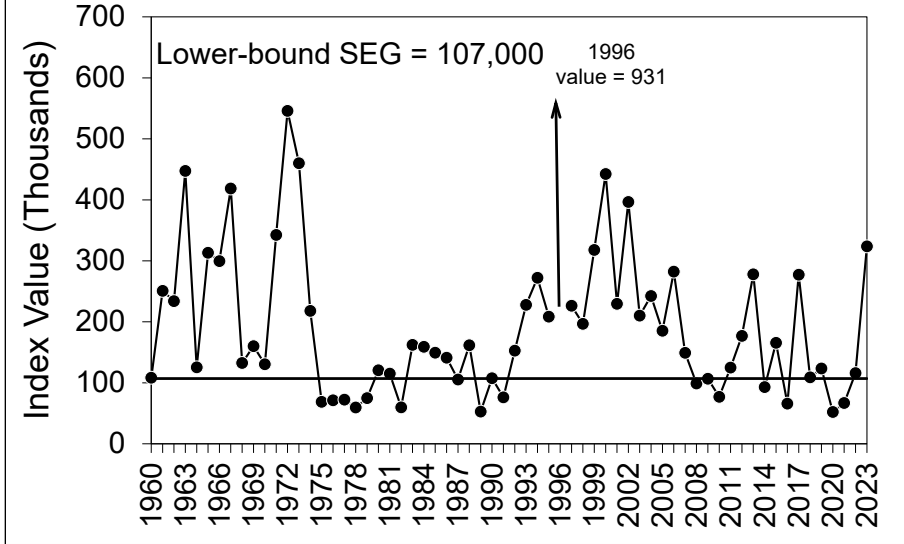


# Summer Chum Salmon

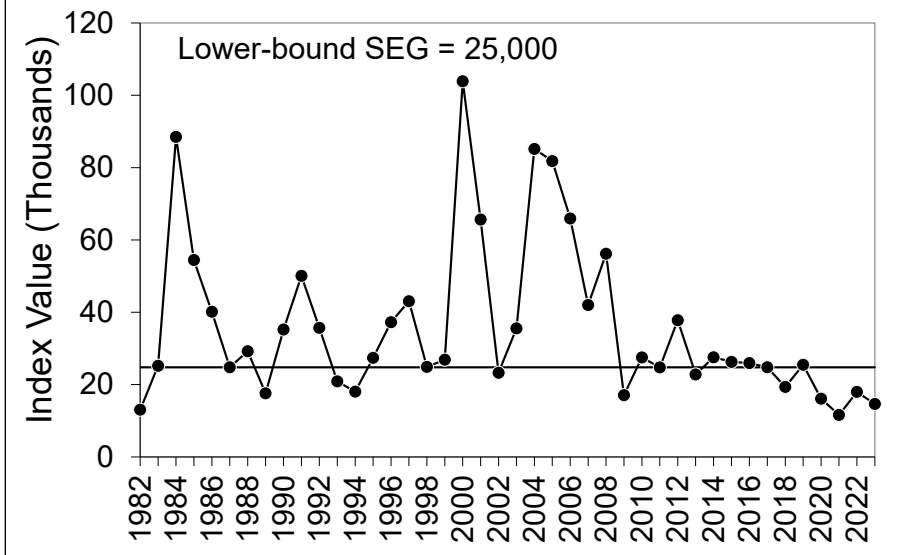
Southern Southeast (Index Survey)



Northern Southeast Inside (Index Survey)

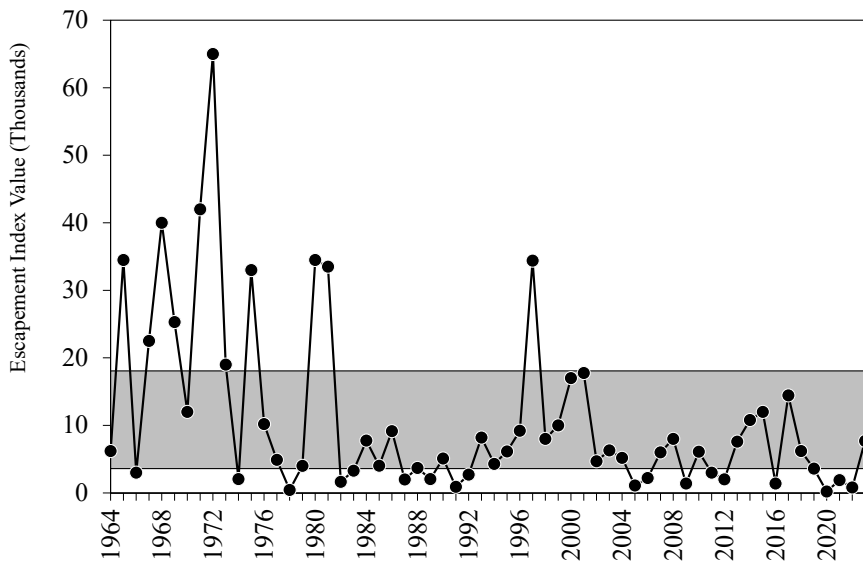


Northern Southeast Outside (Index Survey)

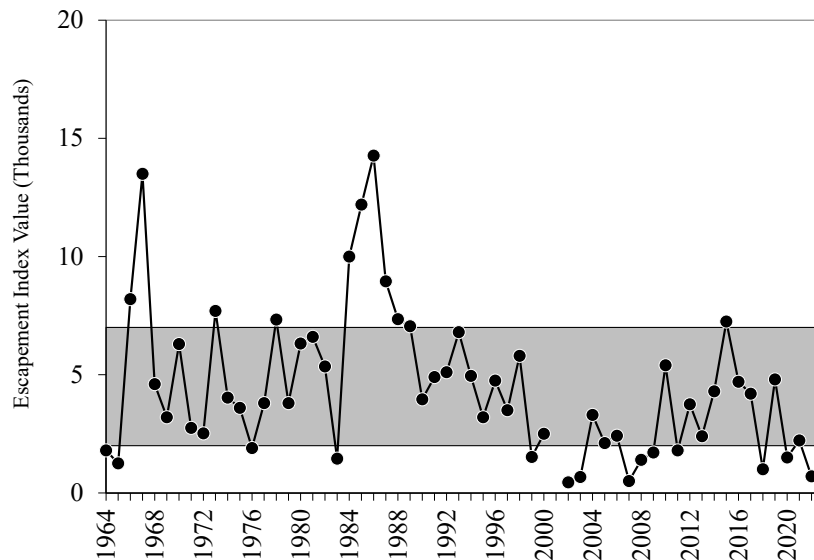


# Fall Chum Salmon

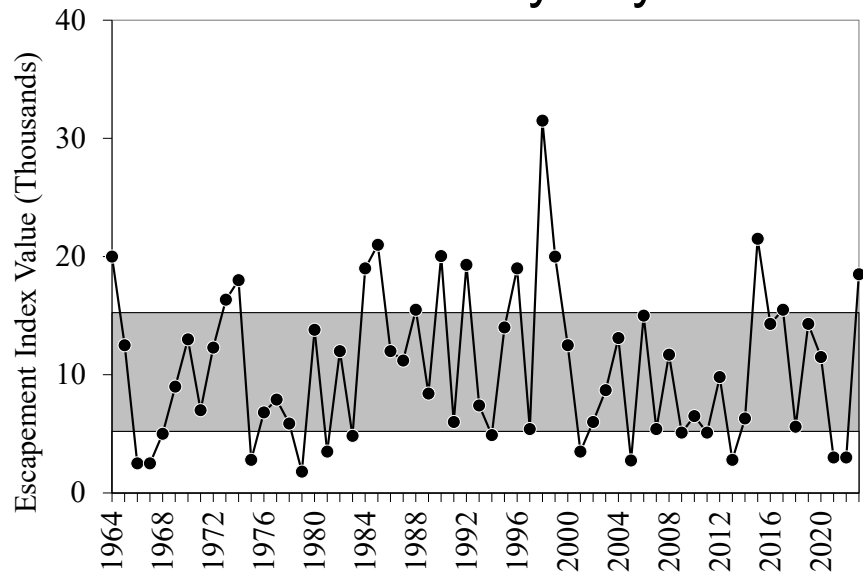
## Excursion River



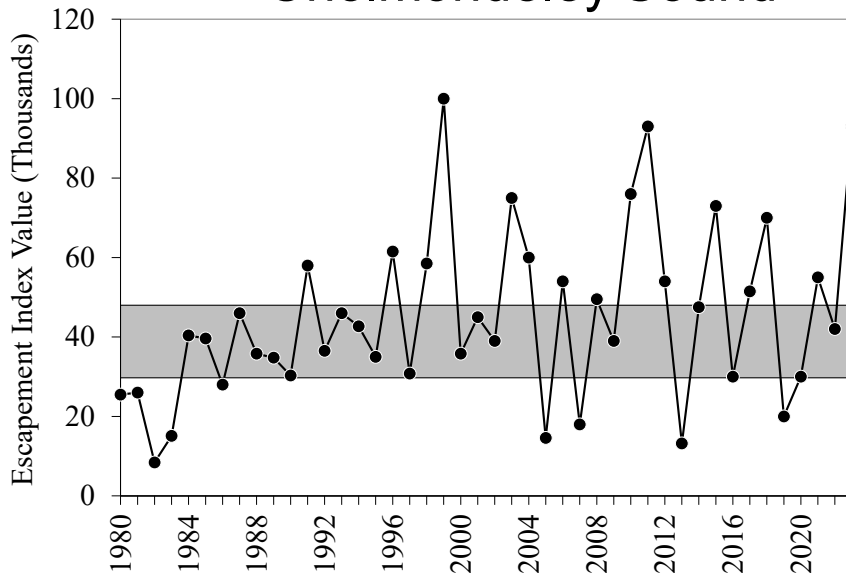
## Port Camden



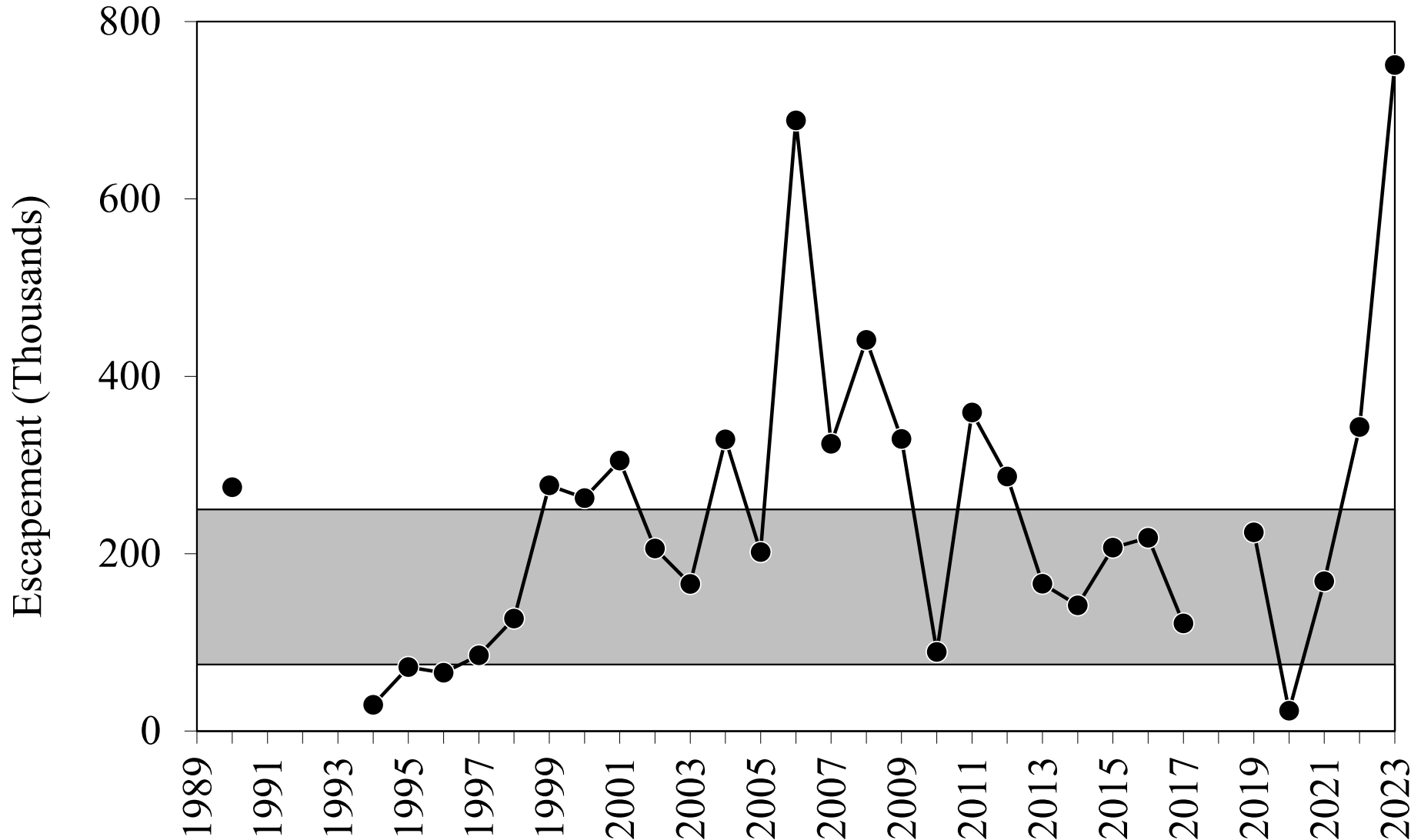
## Security Bay



## Cholmondeley Sound

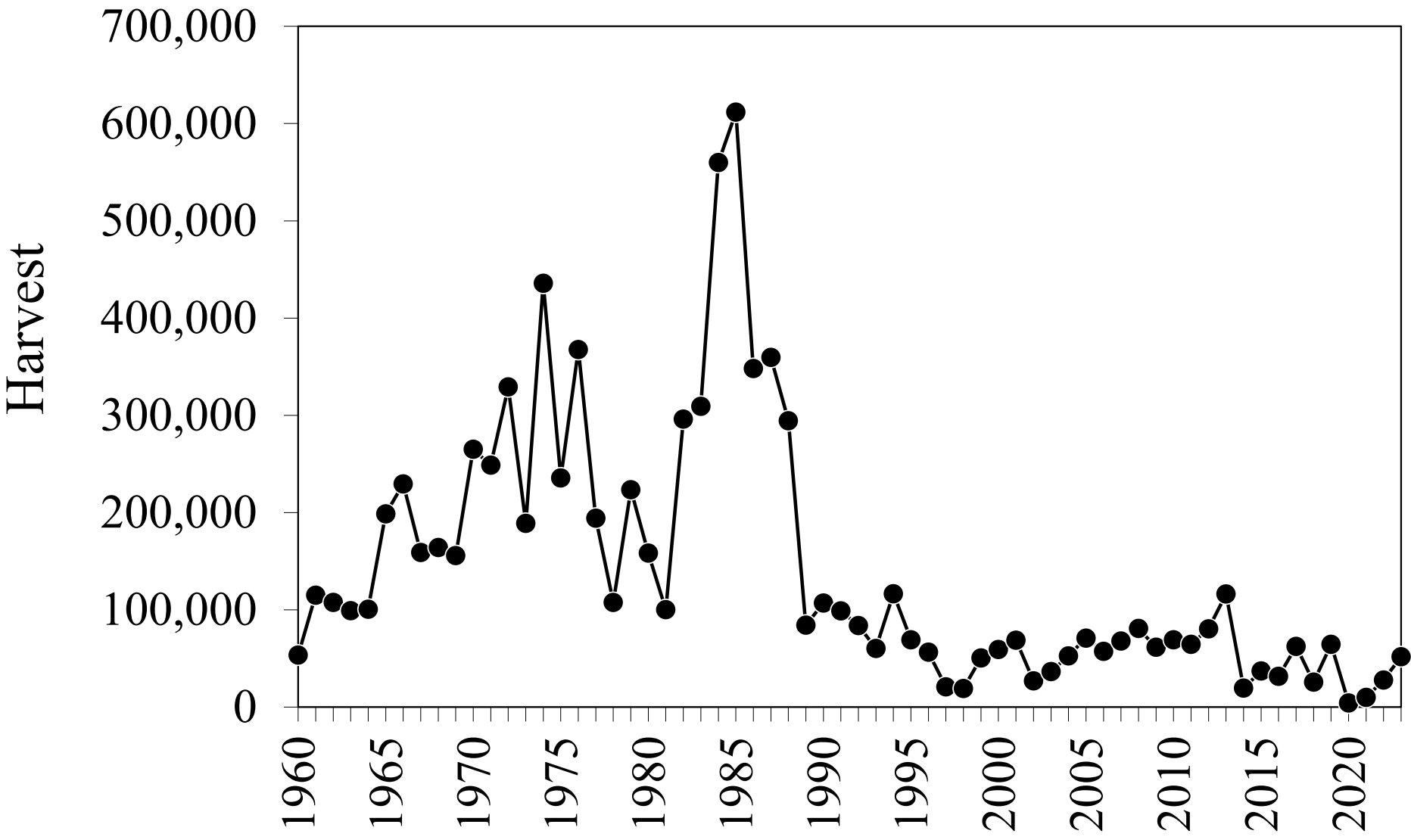


# Chilkat River Fall Chum Salmon





# Lynn Canal Fall Chum Salmon Harvest, 1960-2023



# Coho Salmon

<b>Stock</b>	<b>Goal Type<sup>1</sup></b>	<b>Estimated Escapement or Index</b>	<b>Escapement Goal Range</b>	<b>Comment</b>	<b>Enumeration Method</b>
Tawah Creek	SEG		1,400–4,200	No Data	Weir Count
Situk River	BEG	9,841	3,300–9,800	Above Goal	Boat Survey
Tsiu/Tsivat Rivers	BEG		10,000–29,000	No Data	Peak Aerial Survey
Chilkat River	BEG	70,881	30,000–70,000	Above Goal	Mark-recapture/Foot Survey
Berners River	BEG	8,039	3,600–8,100		Peak Aerial/Foot Survey
Montana Creek	SEG		400–1,200	No Data	Foot Survey
Peterson Creek	SEG	192	100–250		Foot Survey
Taku River	BEG	62,300	50,000–90,000		Mark-recapture
Auke Creek	BEG	759	200–500	Above Goal	Weir Count
Sitka Survey Index	BEG	1,392	400–800	Above Goal	Peak Aerial Survey
Ketchikan Survey Index	BEG	19,706	4,250–8,500	Above Goal	Foot Survey
Hugh Smith Lake	BEG	2,207	500–1,600	Above Goal	Weir Count

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

# Chinook Salmon

System	Escapement	Escapement <sup>b</sup>					
	Goal <sup>a</sup>	2018	2019	2020	2021	2022	2023 <sup>b</sup>
Keta River	550–1,300	1,662	1,041	668	707	689	759
Blossom River	500–1,400	1,087	557	515	170	395	670
<i>Chickamin River</i>	2,150–4,300	2,052	1,610	2,280	2,404	2,522	3,719
<i>Unuk River</i>	1,800–3,800	1,971	3,115	1,135	2,666	1,304	2,072
<i>Stikine River</i>	14,000–28,000	8,603	13,817	9,753	8,376	9,090	5,135
<i>Andrew Creek</i>	650–1,500	482	698	470	530	821	386
<i>King Salmon River</i>	120–240	30	27	100	134	123	68
<i>Taku River</i>	19,000–36,000	7,271	11,558	15,593	11,341	12,722	14,571
<i>Chilkat River</i>	1,750–3,500	873	2,028	3,180	2,038	1,582	2,240
Alsek River	3,500–5,300	4,348	6,319	5,330	5,562	3,351	4,329
Situk River	450–1,050	420	623	1,197	1,064	890	144

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

<sup>a</sup> Goals and escapement numbers for king salmon are for large fish ( $\geq 660$  mm mid-eye to tail fork length, or fish age-1.3 and older), except Alsek and Klukshu goals which are germane to fish age-1.2 and older and can include fish  $< 660$  mm mid-eye to tail fork length.

<sup>b</sup> Preliminary estimates pending publication of final report.



Questions?

