2019 Southeast Alaska Salmon Escapements

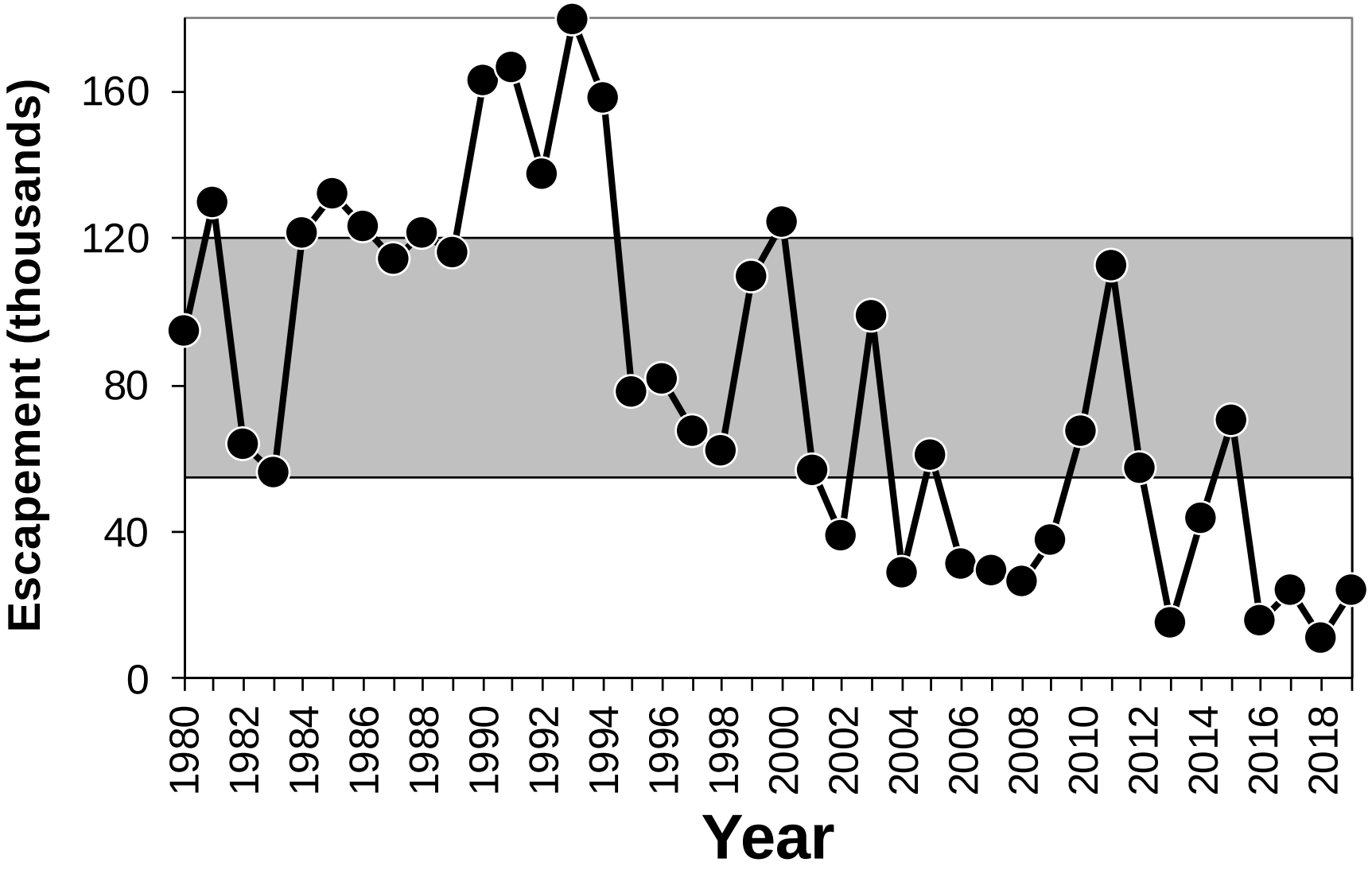
Photo by Steve Heinl

Sockeye Salmon

Stock	Goal Type[1]	Estimated Escapement or Index	Escapement Goal Range	Comment	Enumeration Method
Hugh Smith Lake	OEG	2,240	8,000–18,000	Below Goal	Weir Count
McDonald Lake	SEG	24,200	55,000–120,000	Below Goal	Expanded Foot Survey
Stikine—Mainstem	SEG	23,200	20,000–40,000		Run Reconstruction
Stikine—Tahltan	BEG	36,600	18,000–30,000	Above Goal	Weir Count
Speel Lake	SEG	6,400	4,000–13,000		Weir Count
Taku River	SEG	76,700	55,000–62,000	Above Goal	Mark-recapture
Redoubt Lake	OEG	59,100	7,000–25,000	Above Goal	Weir Count
Chilkoot Lake	SEG	140,400	38,000–86,000	Above Goal	Weir Count
Chilkat Lake	BEG	135,000	70,000–150,000	Above Goal	Weir/Sonar Count
Situk River	BEG	72,600	30,000–70,000	Above Goal	Weir Count
Klukshu River	BEG	19,100	7,500–15,000	Above Goal	Weir Count
East Alsek River	BEG	27,300	9,000–24,000	Above Goal	Peak Aerial Survey

[1] Goal types include optimal (OEG), sustainable (SEG), and biological (BEG) escapement goals.

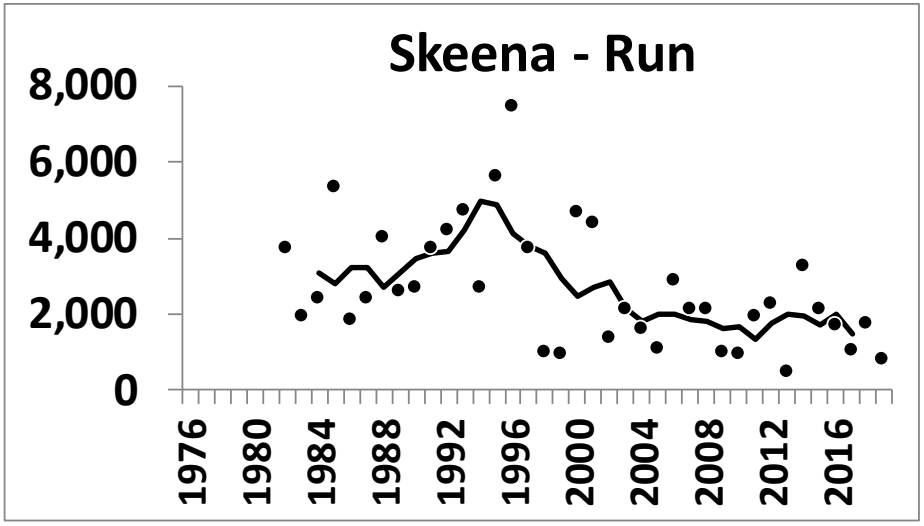
McDonald Lake Escapement

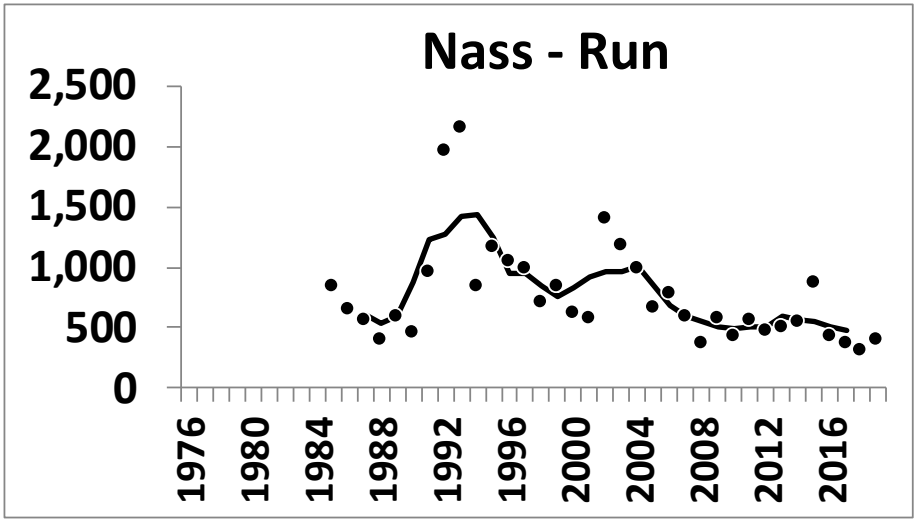


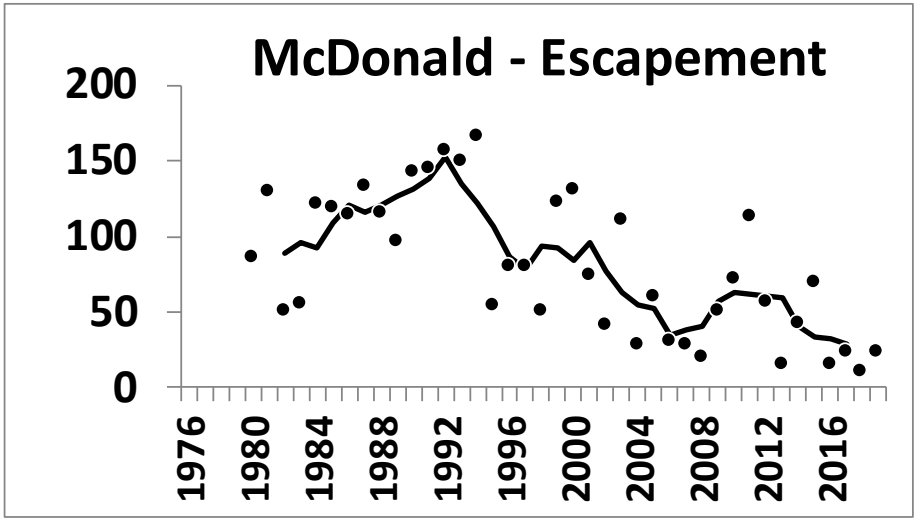
Commercial Harvest of McDonald Lake Sockeye Salmon, 2014 to 2019

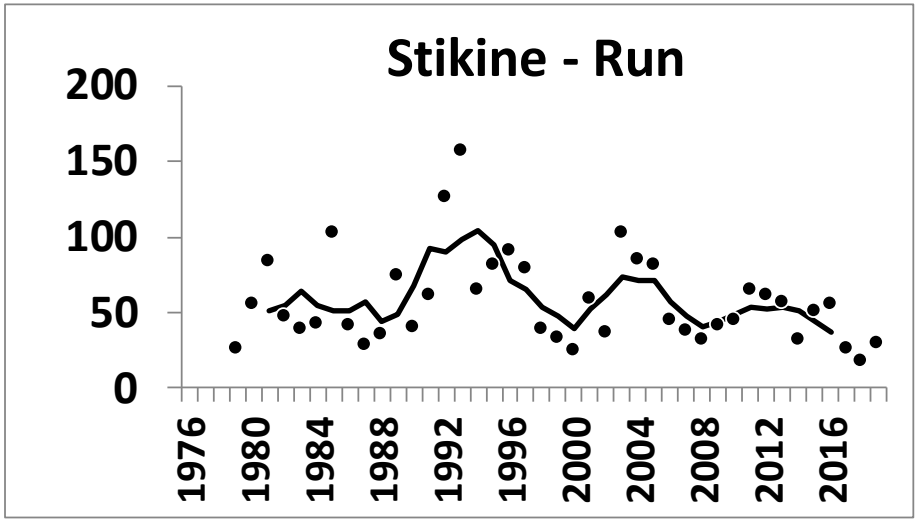
	2014	2015	2016	2017	2018	2019 (*no District 6 data)
Commercial Harvest	46,000	65,600	26,600	8,500	2,234	8,300*
Escapement	43,400	70,200	15,600	24,000	11,000	24,200
Harvest Rate	51%	48%	63%	26%	16%	25.3%*

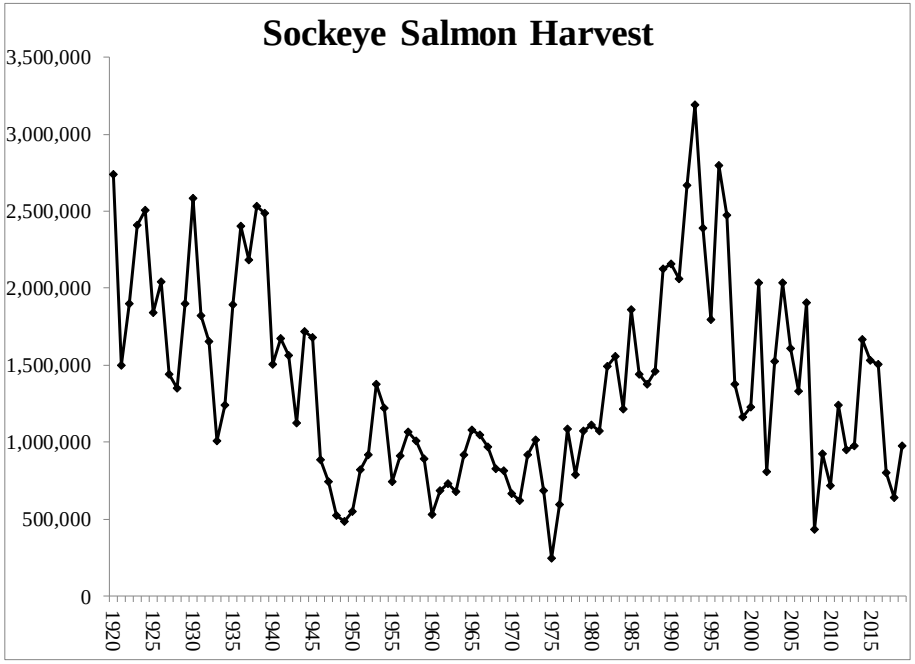
a

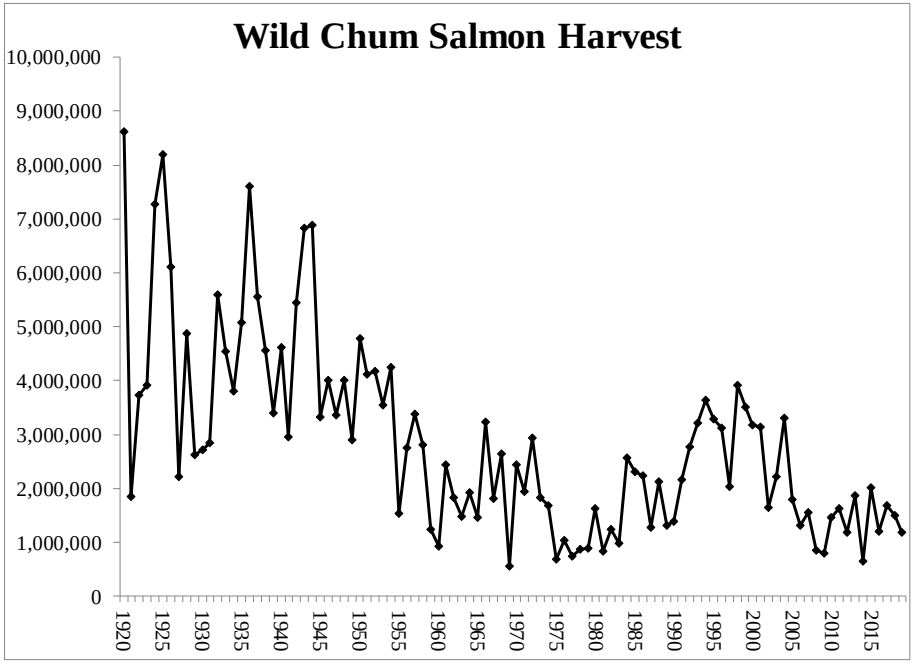

Skeena - Run
8,000
6,000
4,000
2,000
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016


Nass - Run
2,500
2,000
1,500
1,000
500
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016


McDonald - Escapement
200
150
100
50
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016


Stikine - Run
200
150
100
50
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016


Sockeye Salmon Harvest
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
1920
1925
1930
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015


Wild Chum Salmon Harvest
10,000,000
9,000,000
8,000,000
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
1920
1925
1930
1935
1940
1945
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1960
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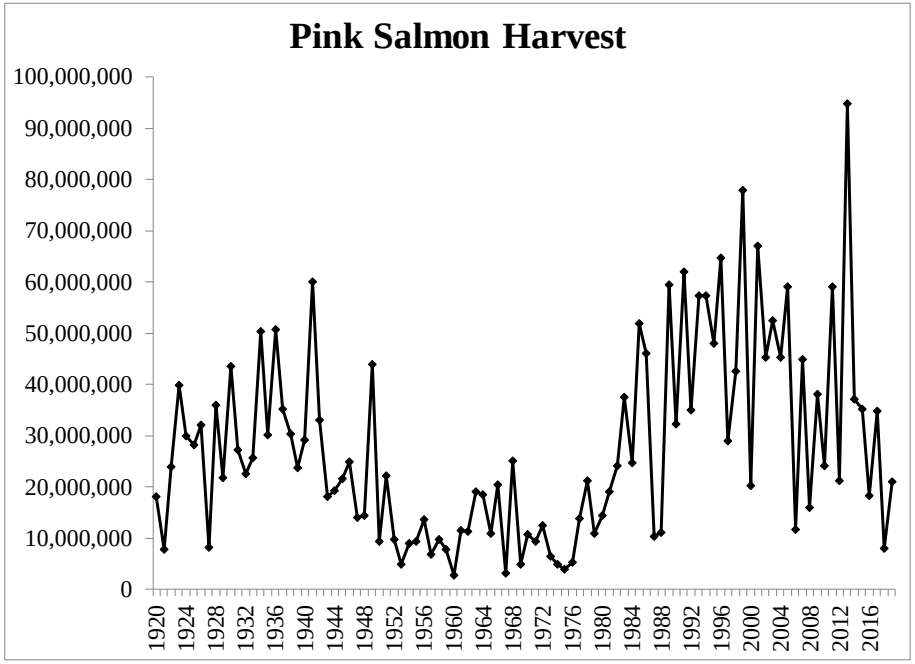
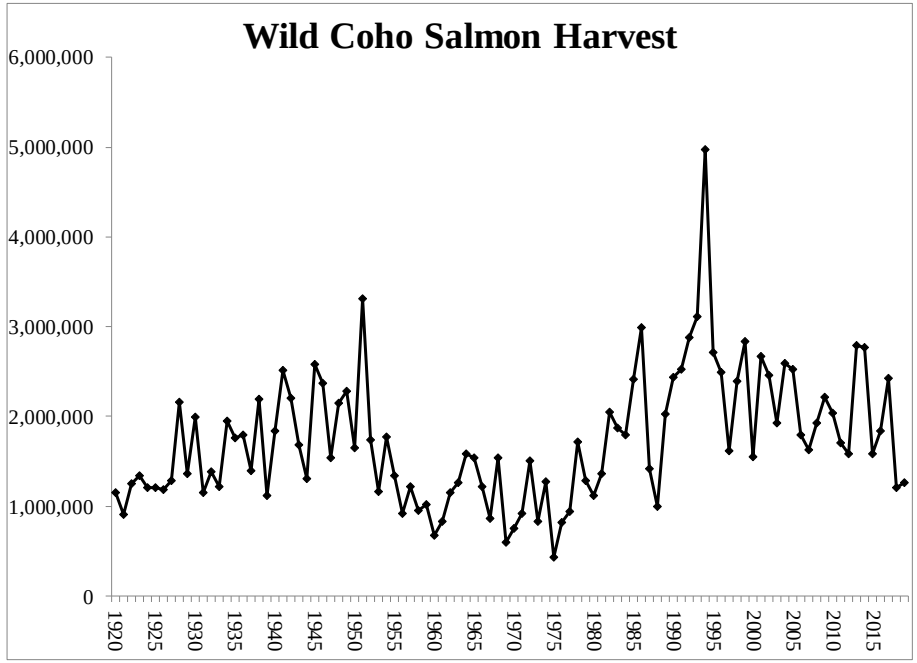
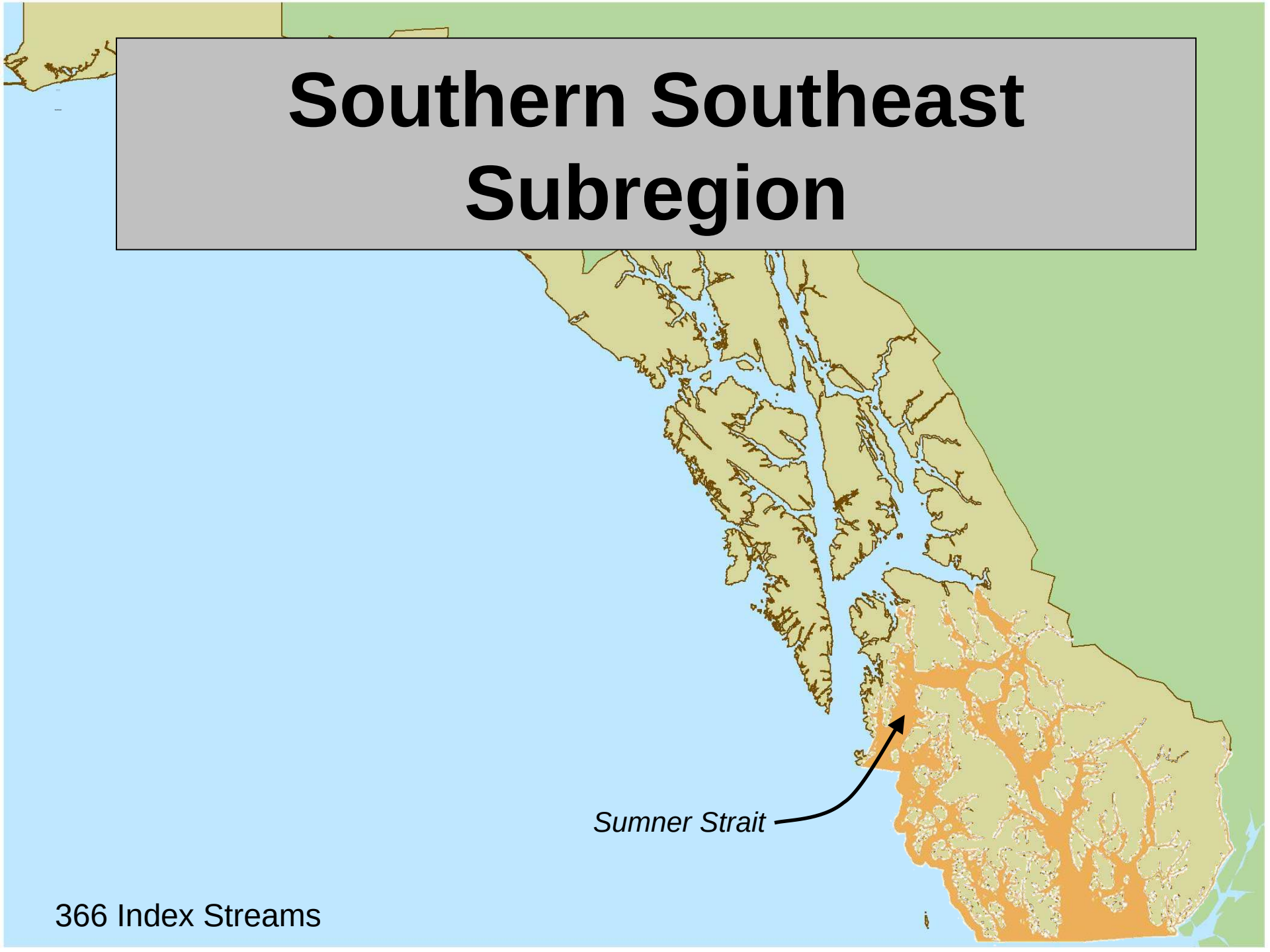
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015


Pink Salmon Harvest
100,000,000
90,000,000
80,000,000
70,000,000
60,000,000
50,000,000
40,000,000
30,000,000
20,000,000
10,000,000
0
1920
1924
1928
1932
1936
1940
1944
1948
1952
1956
1960
1964
1968
1972
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016


Wild Coho Salmon Harvest
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
1920
1925
1930
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015

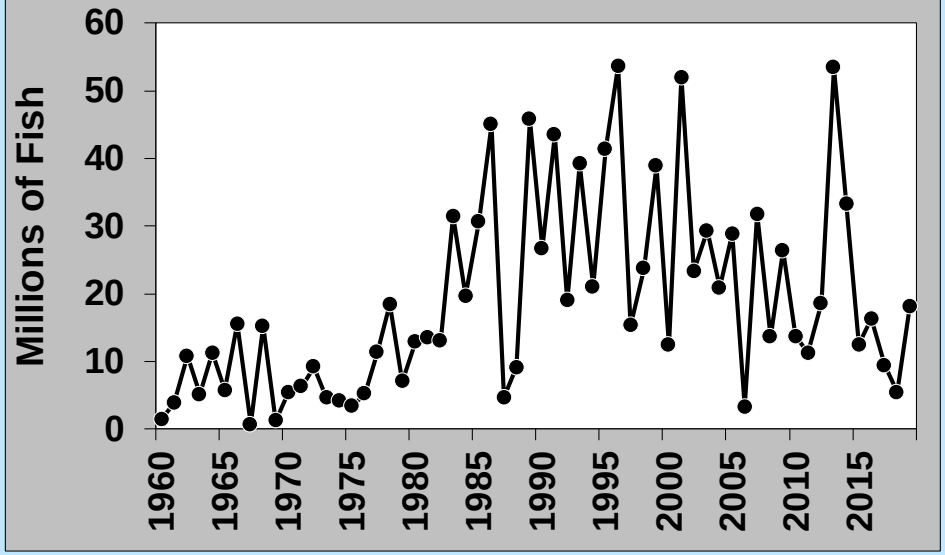
Southern Southeast Subregion



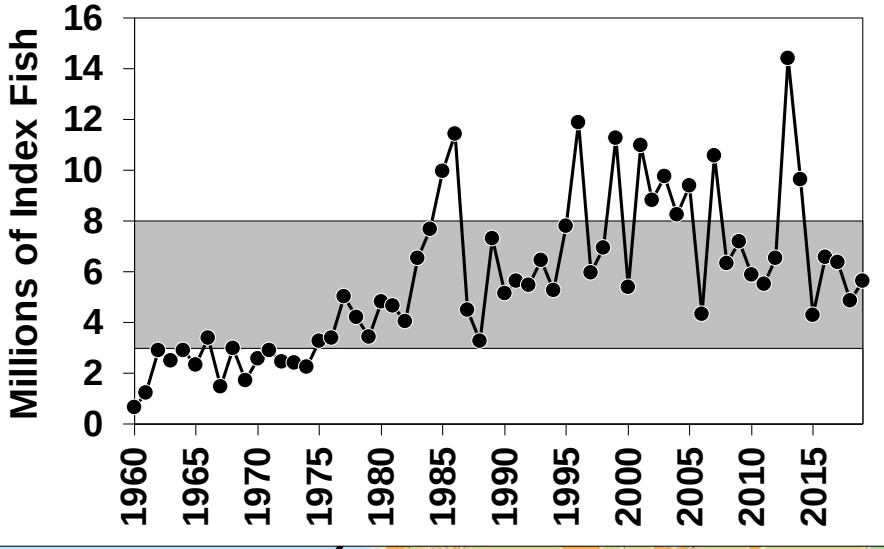
366 Index Streams

Southern Southeast Subregion

Harvest

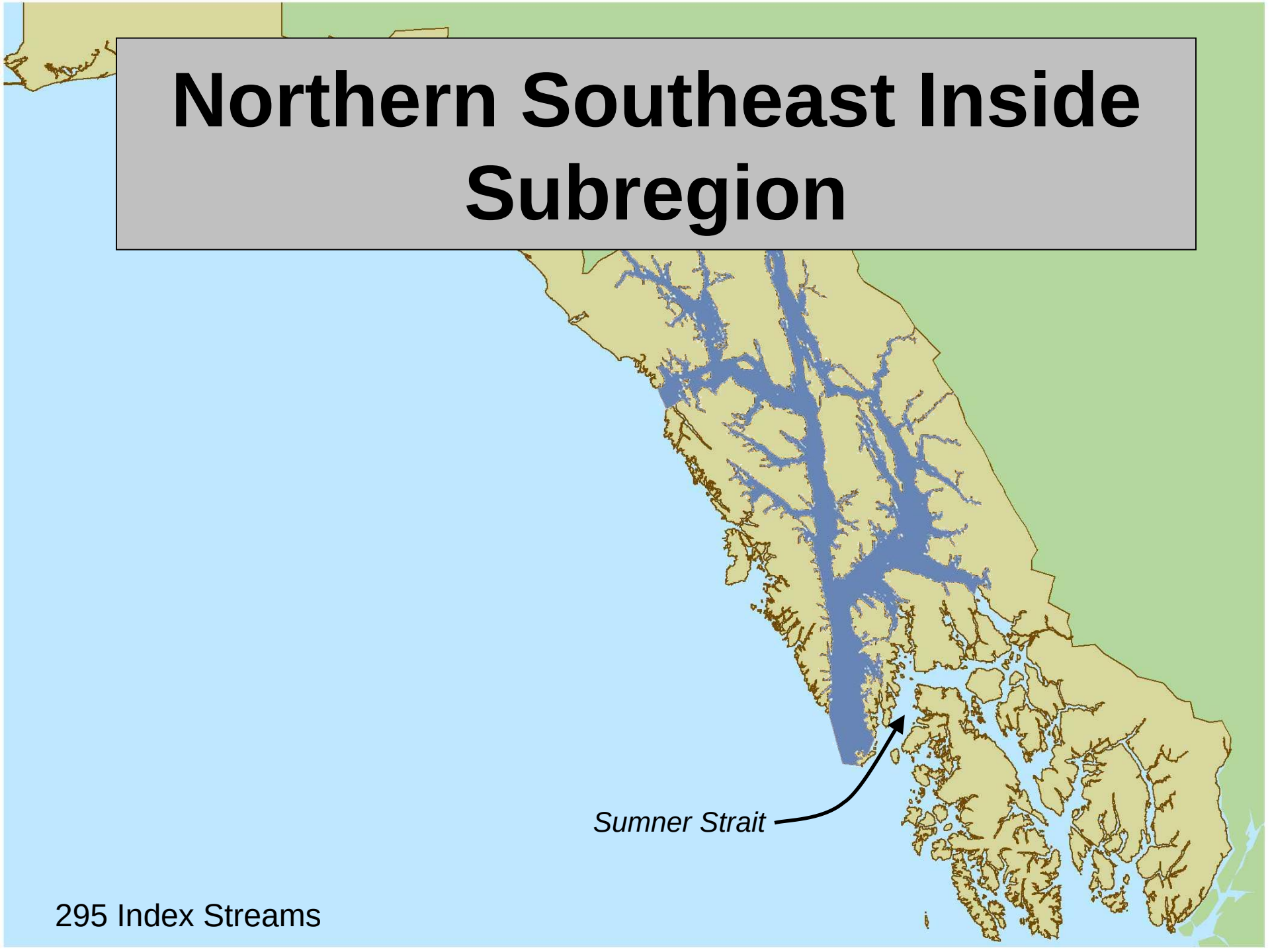


Escapement Index



Sumner Strait

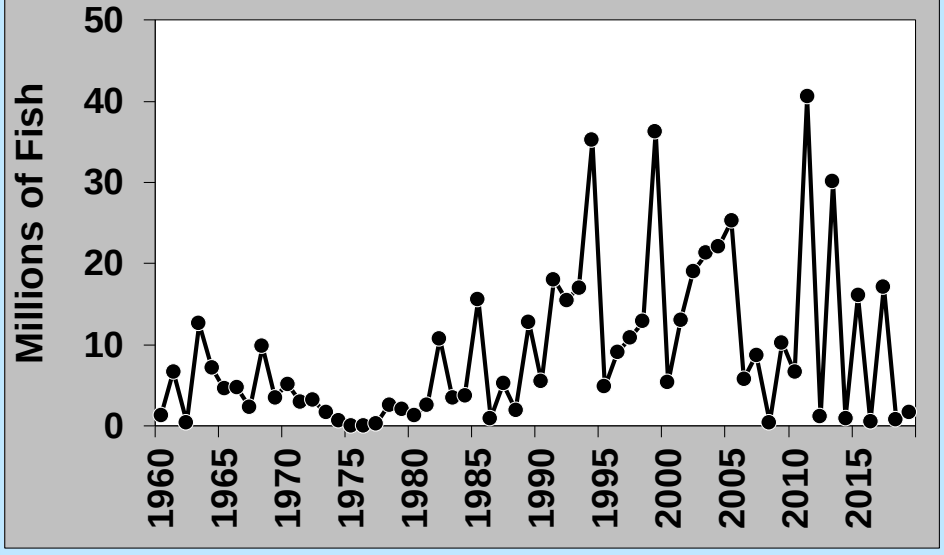
Northern Southeast Inside Subregion



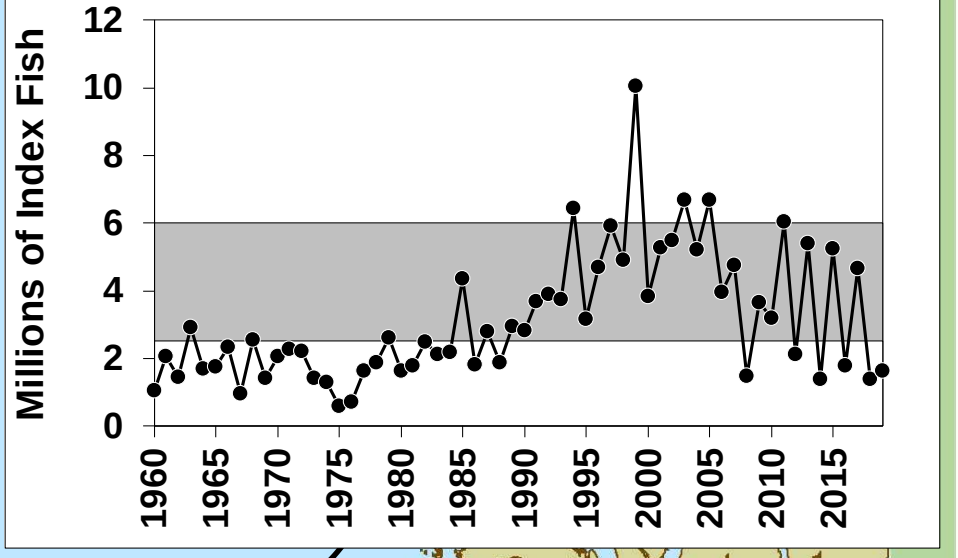
295 Index Streams

Northern Southeast Inside Subregion

Harvest

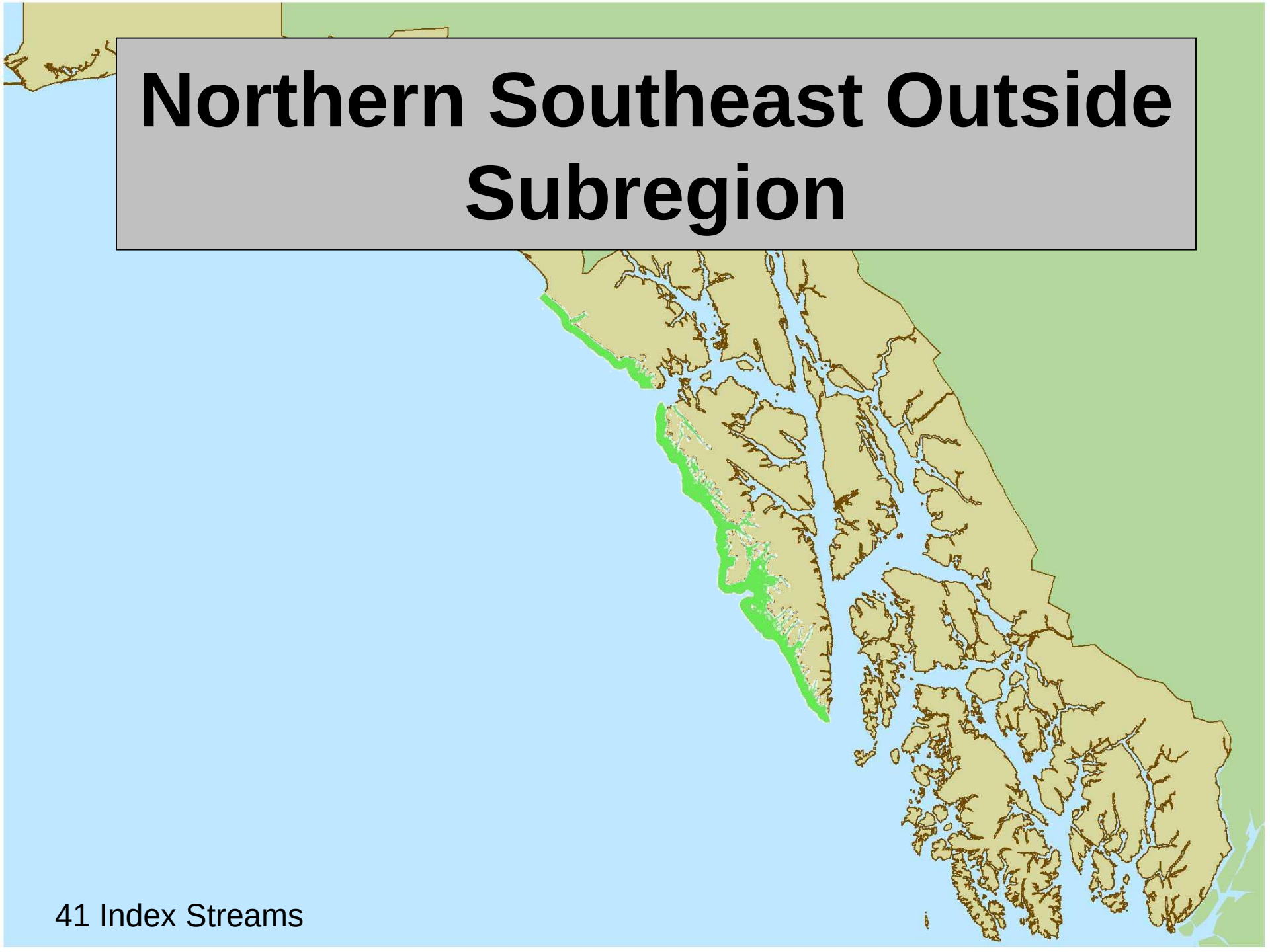


Escapement Index



Sumner Strait

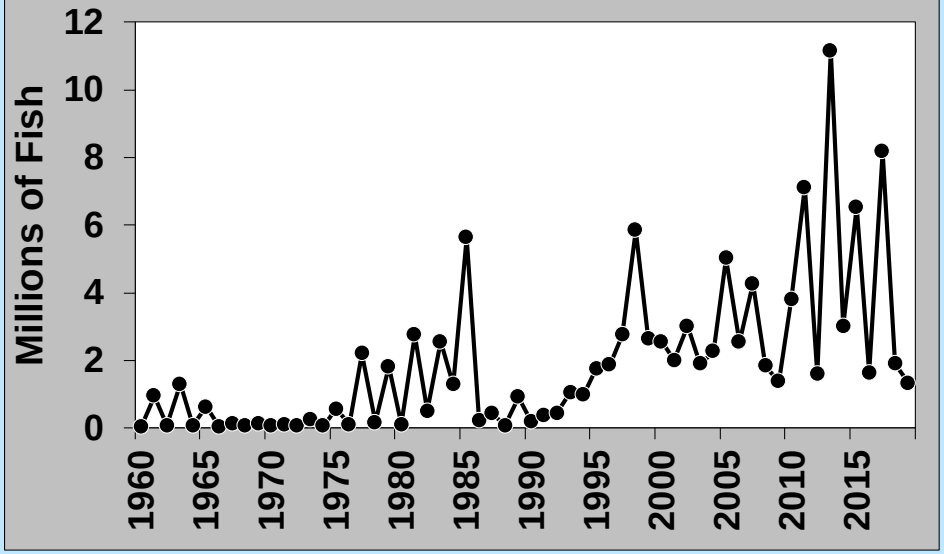
Northern Southeast Outside Subregion



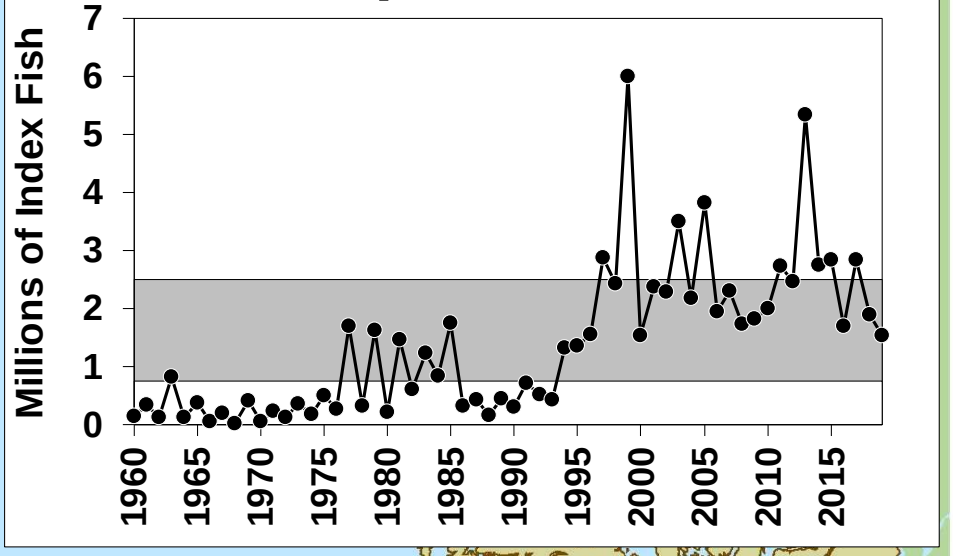
41 Index Streams

Northern Southeast Outside Subregion

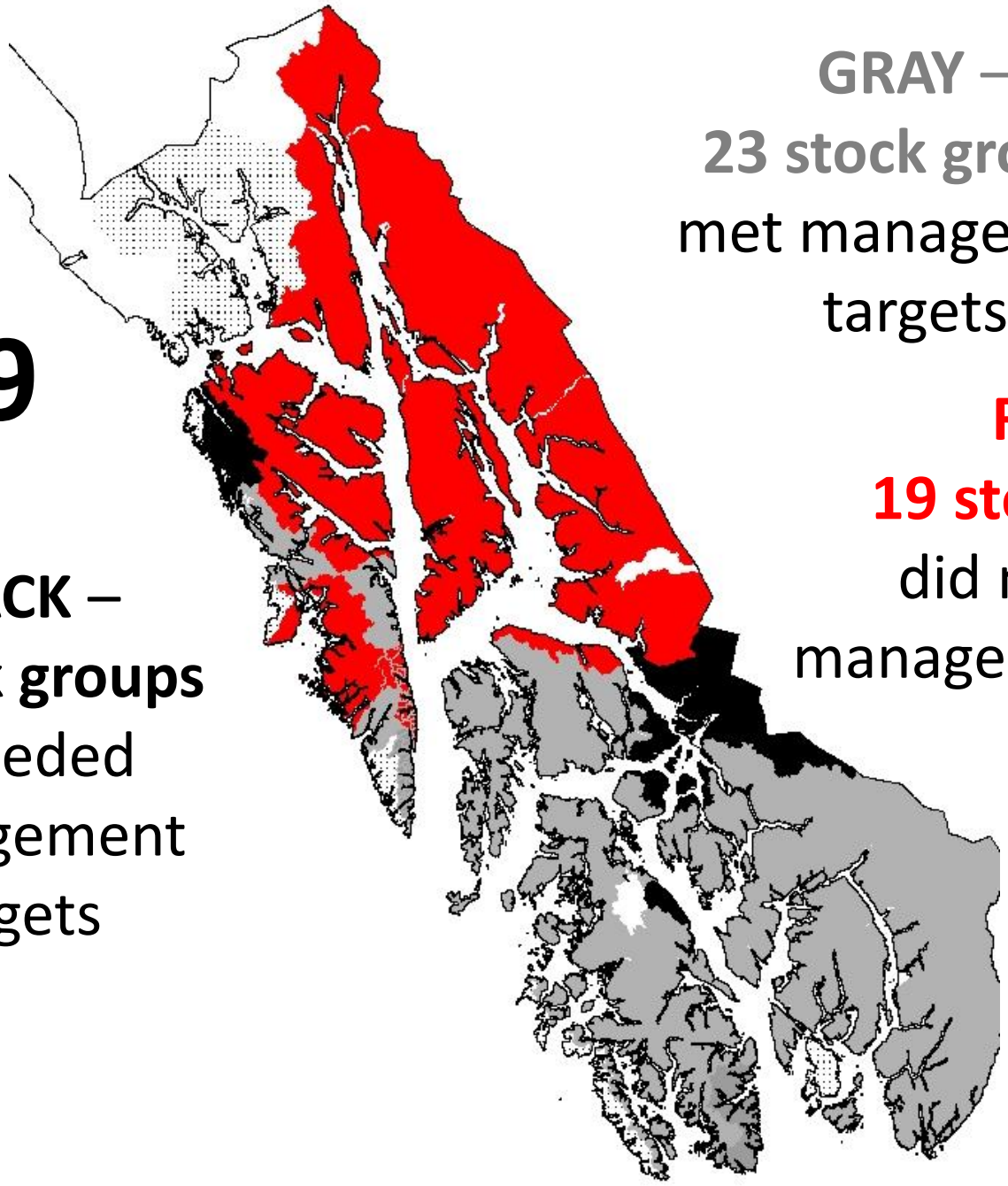
Harvest



Escapement Index



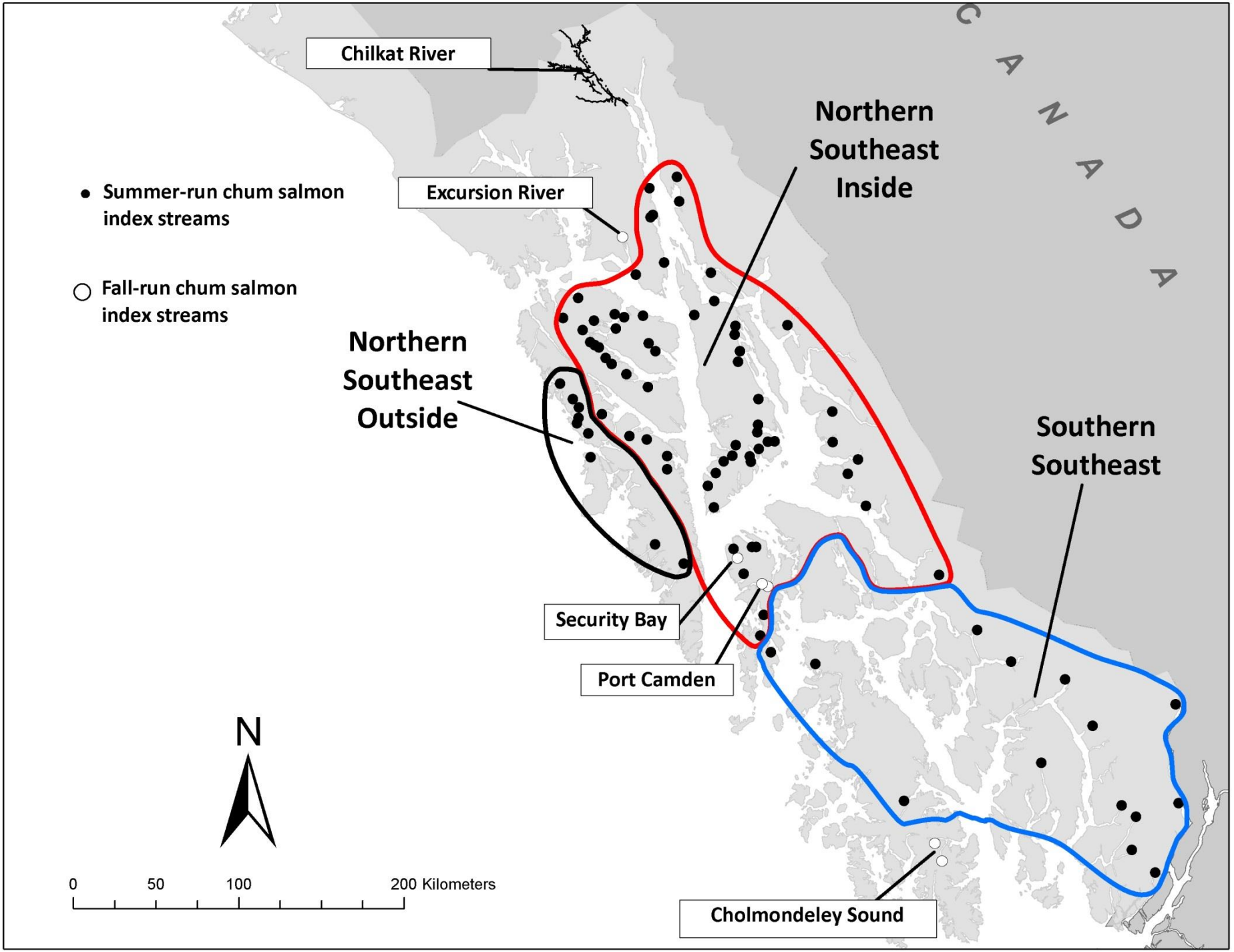
2019



GRAY –
23 stock groups
met management targets

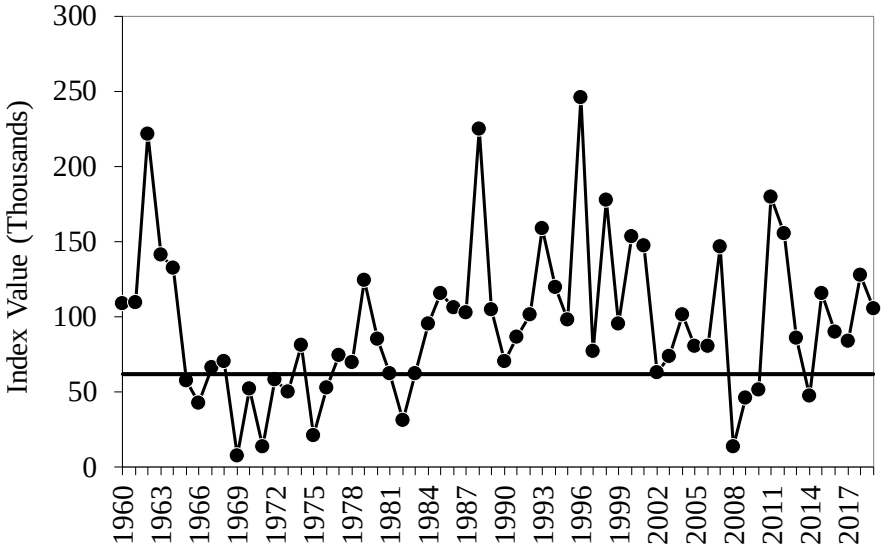
RED –
19 stock group
did not meet management targets

BLACK –
4 stock groups
exceeded management targets

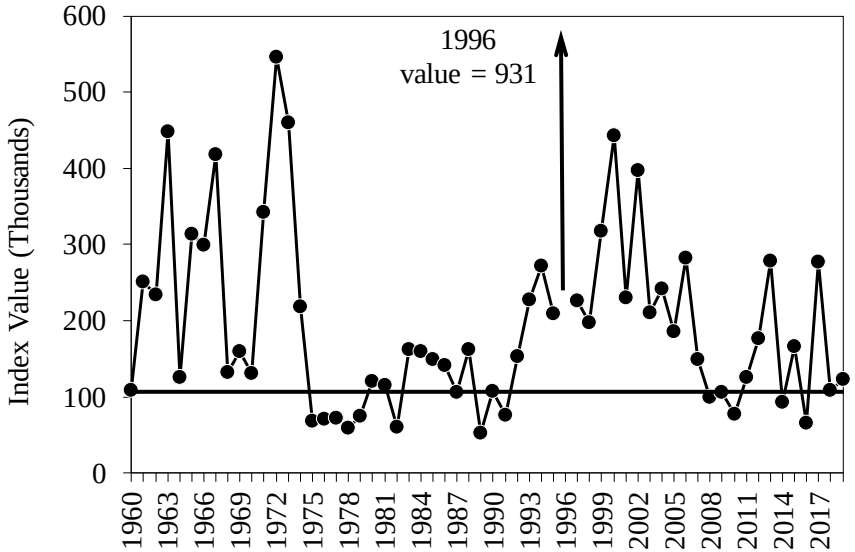

Chilkat River
Excursion River
Summer-run chum salmon index streams
Fall-run chum salmon index streams
Northern Southeast Inside
Northern Southeast Outside
Southern Southeast
Security Bay
Port Camden
Cholmondeley Sound
CANADA
N
0
50
100
200 Kilometers

Summer Chum Salmon

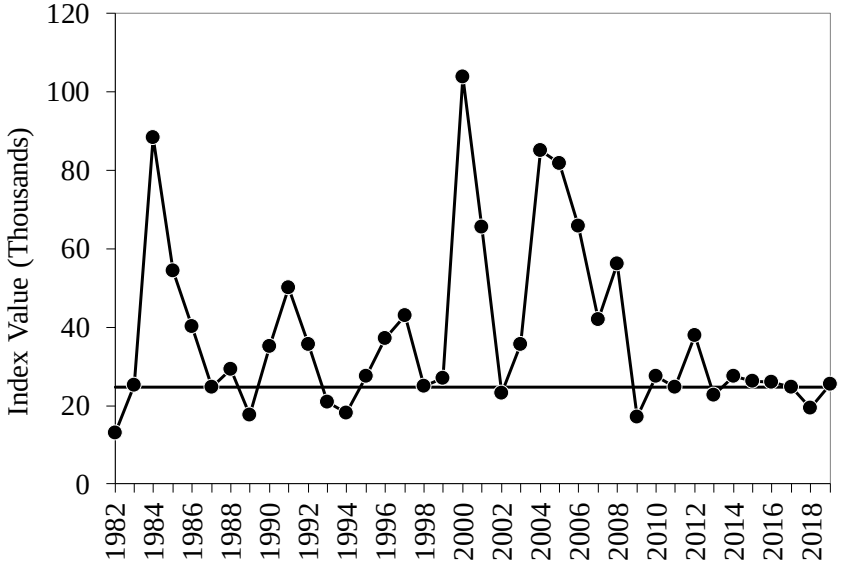
Southern Southeast



Northern Southeast Inside

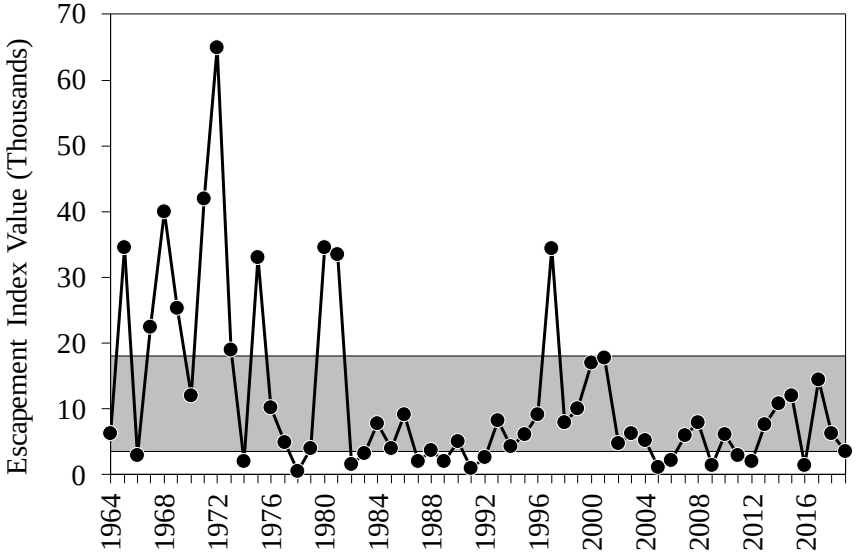


Northern Southeast Outside

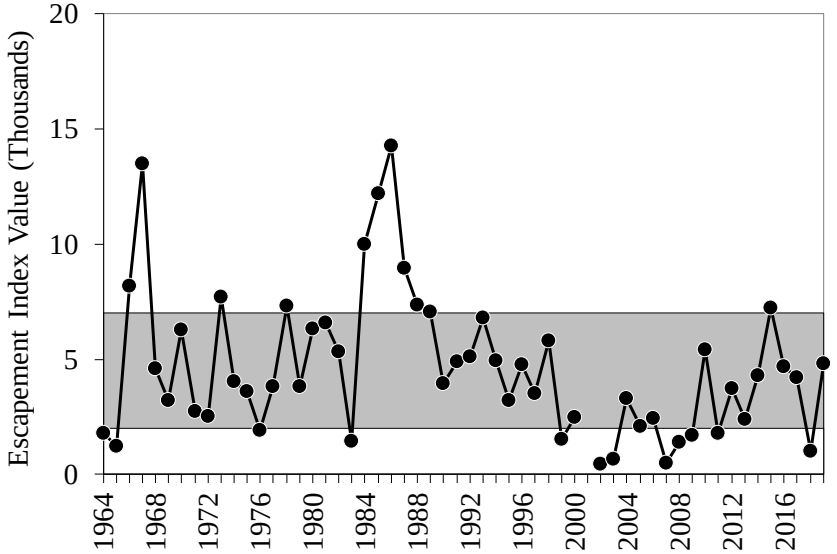


Fall Chum Salmon

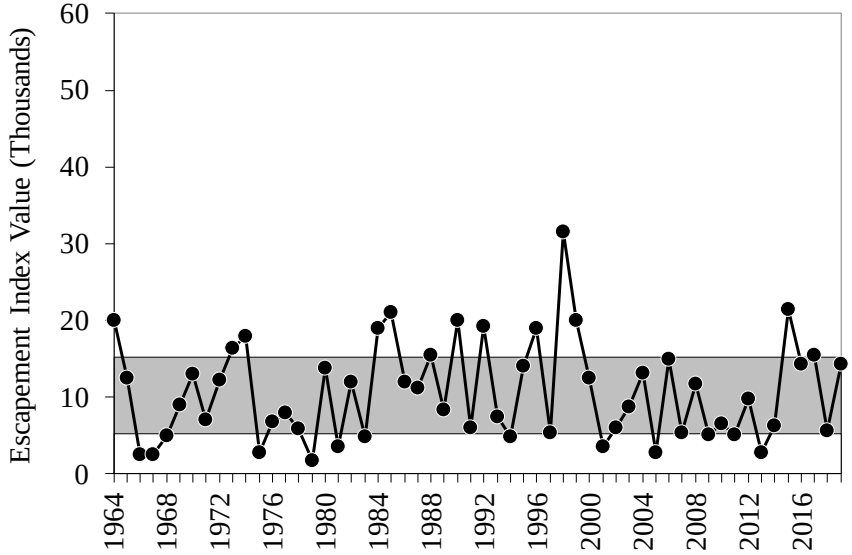
Excursion River



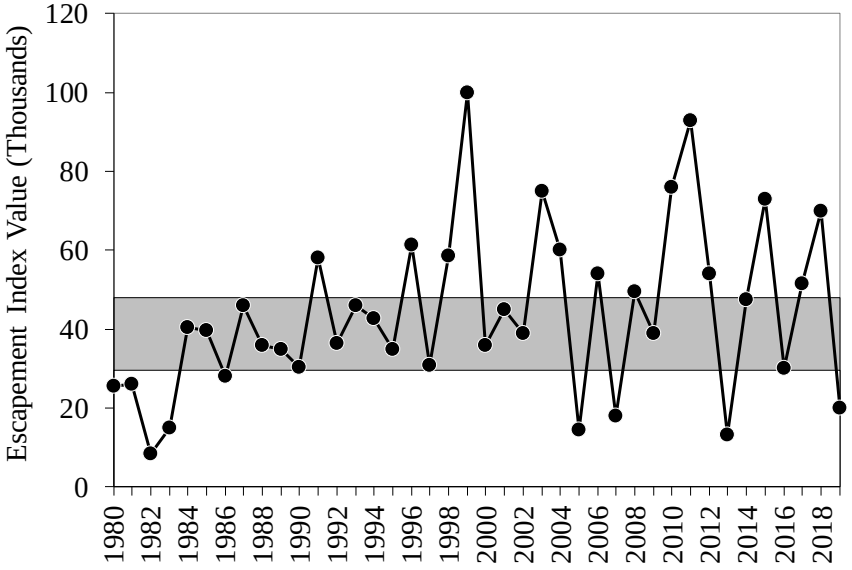
Port Camden

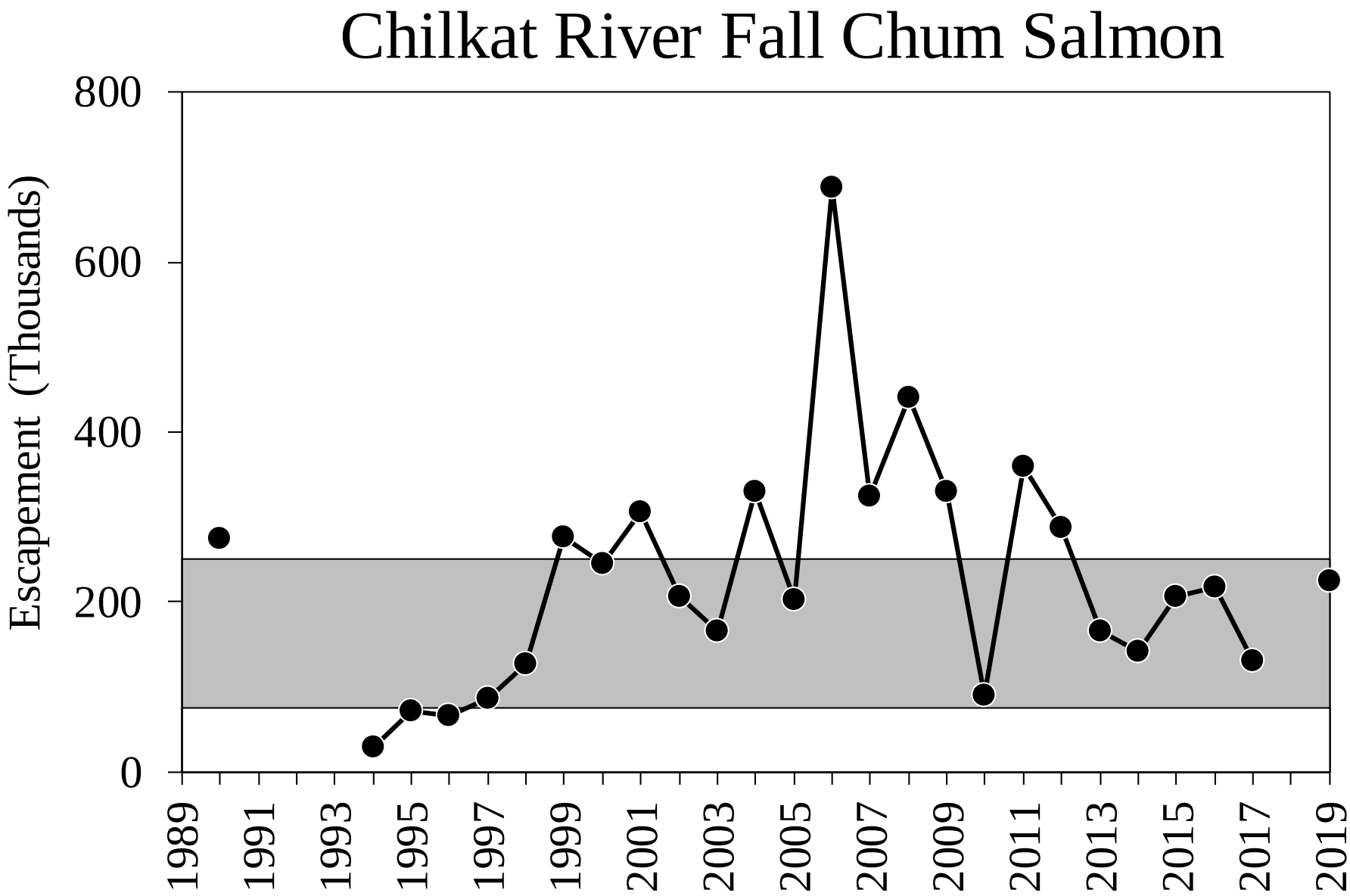


Security Bay



Cholmondeley Sound




Chilkat River Fall Chum Salmon
Escapement (Thousands)
800
600
400
200
0
1989
1991
1993
1995
1997
1999
2001
2003
2005
2007
2009
2011
2013
2015
2017
2019

Coho Salmon

System	Hugh Smith Lake	Taku River	Auke Creek	Montana Creek	Peterson Creek	Ketchikan Survey Index	Sitka Survey Index
Goal Range	500–1,600	50,000–90,000	200–500	400–1,200	100–250	4,250–8,500	400–800
Goal Type[1]	BEG	BEG	BEG	SEG	SEG	BEG	BEG
2019	1,235	82,909	345	203	No Data	7,916	1,480

[1.] Goal types include optimal (OEG), sustainable (SEG), and biological (BEG) escapement goals.

System	Berners River	Chilkat River	Tawah Creek	Situk River	Tsiu/Tsivat rivers
Goal Range	3,600–8,100	30,000–70,000	1,400–4,200	3,300–9,800	10,000–29,000
Goal Type[1]	BEG	BEG	SEG	BEG	BEG
2019	9,405	34,779	1,866	10,381	No Data

[1.] Goal types include optimal (OEG), sustainable (SEG), and biological (BEG) escapement goals.

Chinook Salmon

System	Escapement Goal[a]	Escapement[b] 2014	2015	2016	2017	2018	2019
Blossom River	500–1,400	840	642	522	341	1,087	557
Keta River	550–1,300	1,321	915	1,342	903	1,662	1,041
Unuk River	1,800–3,800	1,691	2,623	1,463	1,203	1,971	3,115
Chickamin River	2,150–4,300	3,097	2,760	964	722	2,052	1,610
Andrew Creek	650–1,500	1,261	796	402	349	482	698
Stikine River	14,000–28,000	24,366	21,597	10,554	7,206	8,344	13,629
King Salmon River	120–240	68	50	149	85	30	27
Taku River	19,000–36,000	23,532	28,827	12,381	8,214	7,271	11,558
Chilkat River	1,750–3,500	1,529	2,452	1,380	1,173	873	2,028
Alsek River	3,500–5,300	3,357	5,697	2,514	1,762	4,312	6,356
Situk River	450–1,050	475	174	329	1,187	420	623

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

[a] Goals and escapement numbers for king salmon are for large fish (≥660 mm mid eye to 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 fork length.

[b] Preliminary estimates pending publication of final report.

Questions?