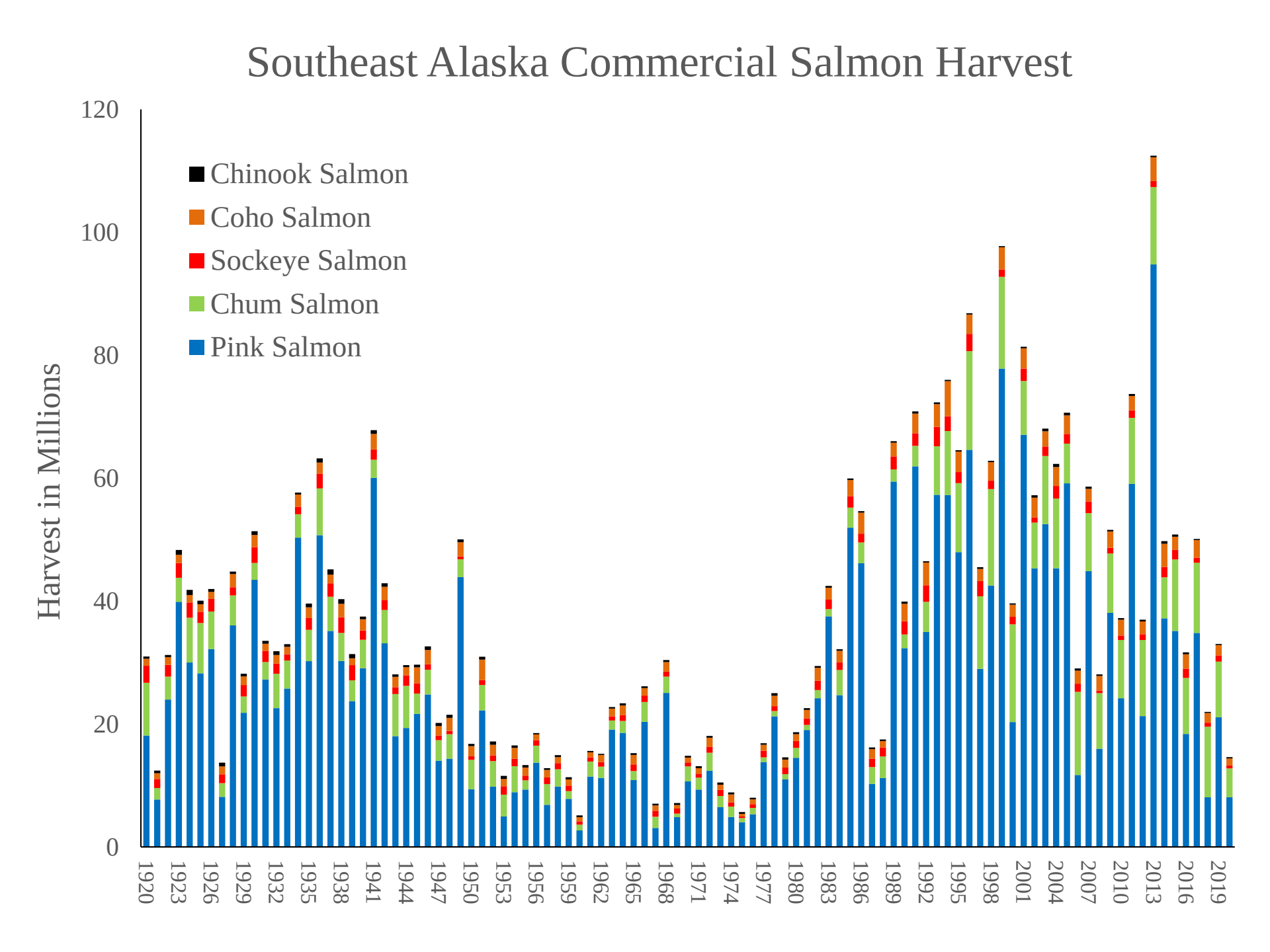
2020 Southeast Alaska Salmon Escapements

Photo by Steve Heinl

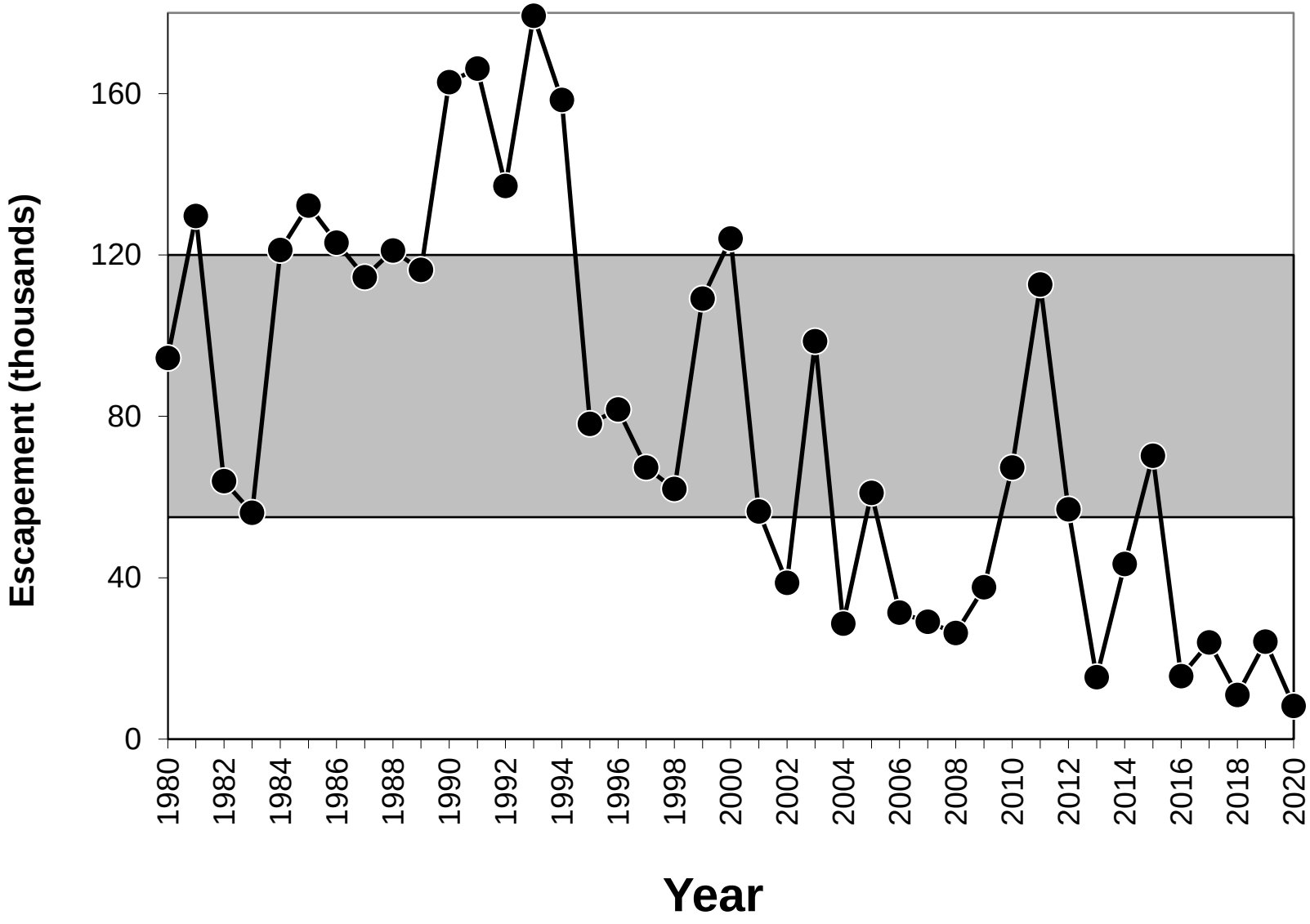

Southeast Alaska Commercial Salmon Harvest
Harvest in Millions
120
100
80
60
40
20
0
Chinook Salmon
Coho Salmon
Sockeye Salmon
Chum Salmon
Pink Salmon
1920
1923
1926
1929
1932
1935
1938
1941
1944
1947
1950
1953
1956
1959
1962
1965
1968
1971
1974
1977
1980
1983
1986
1989
1992
1995
1998
2001
2004
2007
2010
2013
2016
2019

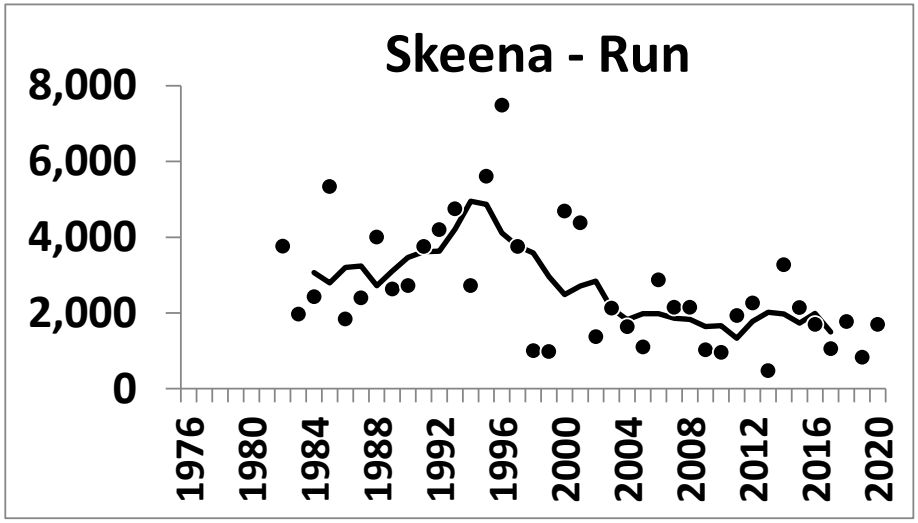
Sockeye Salmon

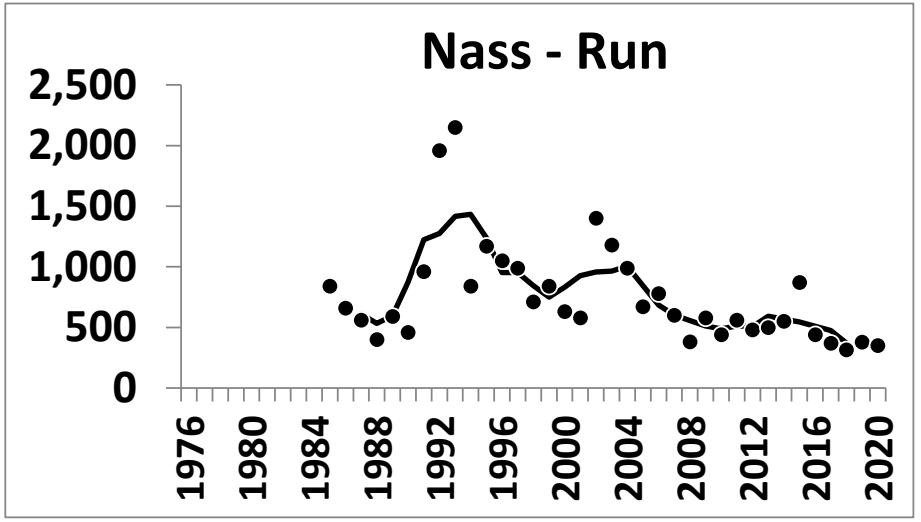
Stock	Goal Type[1]	Estimated Escapement or Index	Escapement Goal Range	Comment	Enumeration Method
Hugh Smith Lake	OEG	3,860	8,000–18,000	Below Goal	Weir Count
McDonald Lake	SEG	8,200	55,000–120,000	Below Goal	Expanded Foot Survey
Stikine—Mainstem	SEG	6,400	20,000–40,000	Below Goal	Run Reconstruction
Stikine—Tahltan	BEG	11,200	18,000–30,000	Below Goal	Weir Count
Speel Lake	SEG	No Data	4,000–13,000		Weir Count
Taku River	SEG	100,900	55,000–62,000	Above Goal	Mark-recapture
Redoubt Lake	OEG	41,300	7,000–25,000	Above Goal	Weir Count
Chilkoot Lake	SEG	60,200	38,000–86,000		Weir Count
Chilkat Lake	BEG	50,500	70,000–150,000	Below Goal	Weir/Sonar Count
Situk River	BEG	63,300	30,000–70,000		Weir Count
Klukshu River	BEG	4,300	7,500–15,000	Below Goal	Weir Count
East Alsek River	BEG	13,700	9,000–24,000		Peak Aerial Survey

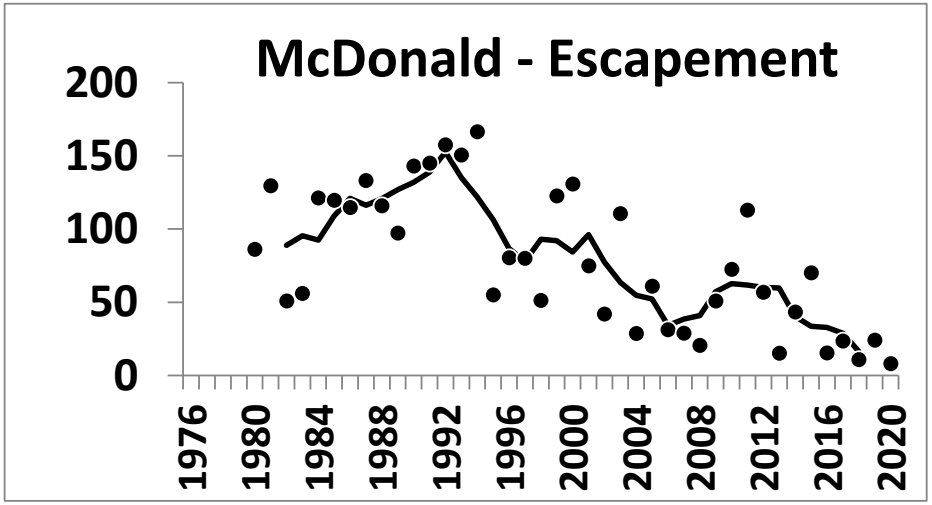
[1] Goal types include optimal (OEG), sustainable (SEG), and biological (BEG) escapement goals.

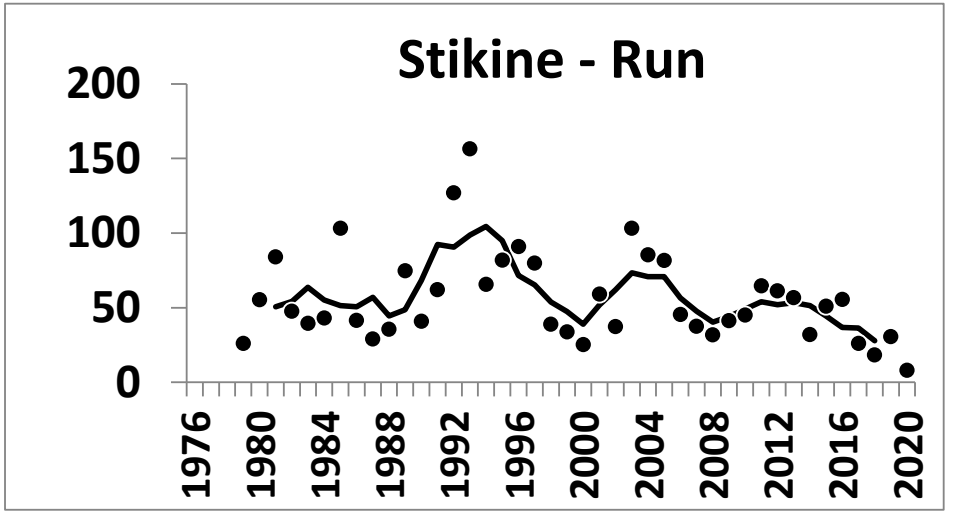
McDonald Lake Escapement

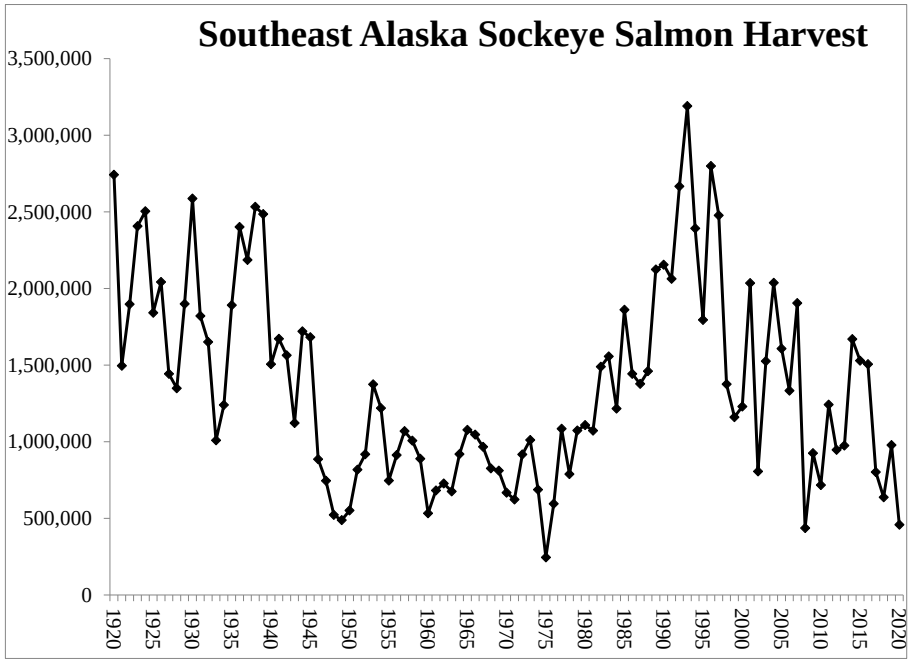


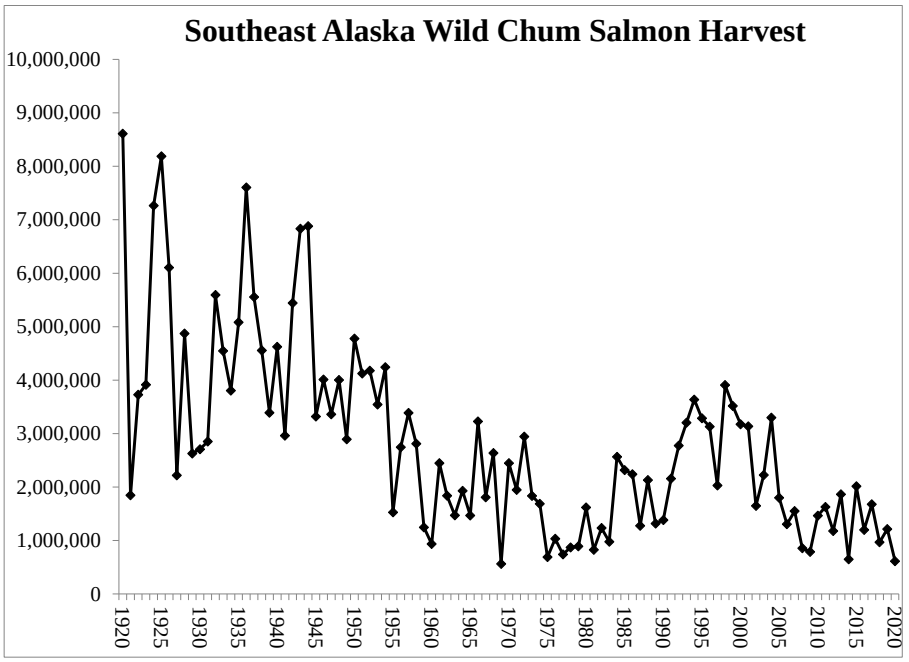

Skeena - Run
8,000
6,000
4,000
2,000
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016
2020

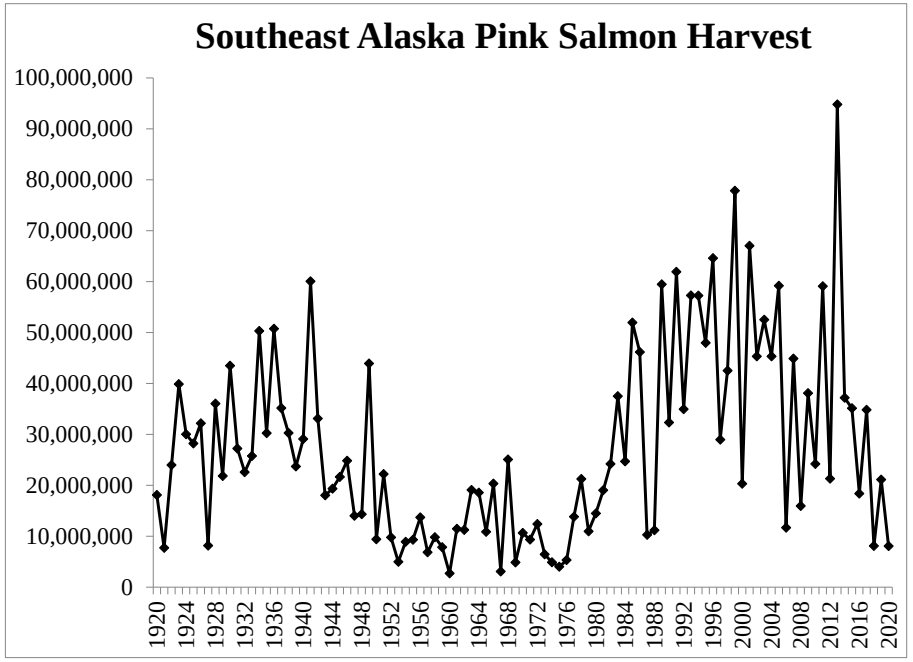

Nass - Run
2,500
2,000
1,500
1,000
500
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016
2020

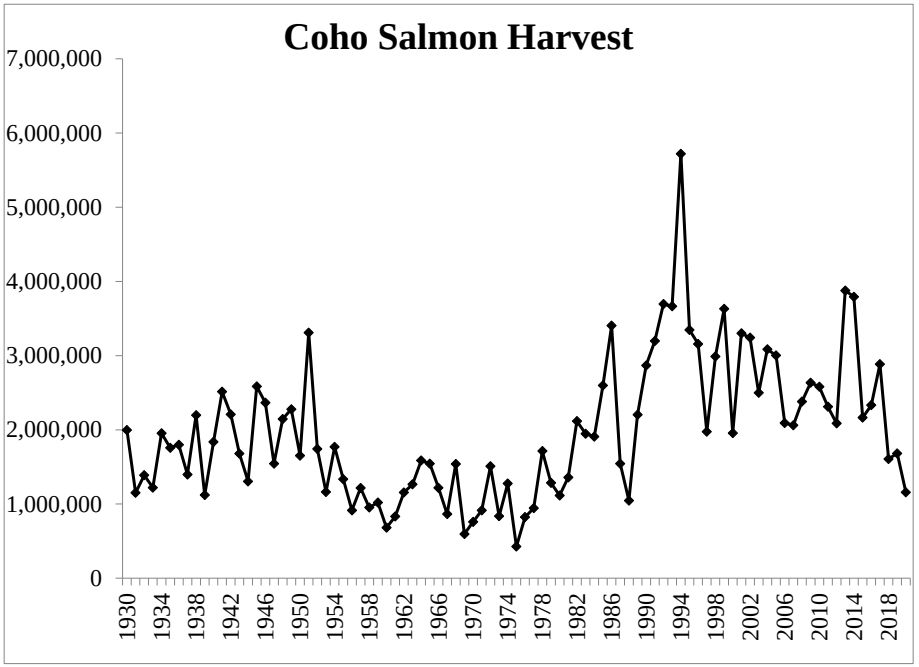

McDonald - Escapement
200
150
100
50
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016
2020


Stikine - Run
200
150
100
50
0
1976
1980
1984
1988
1992
1996
2000
2004
2008
2012
2016
2020

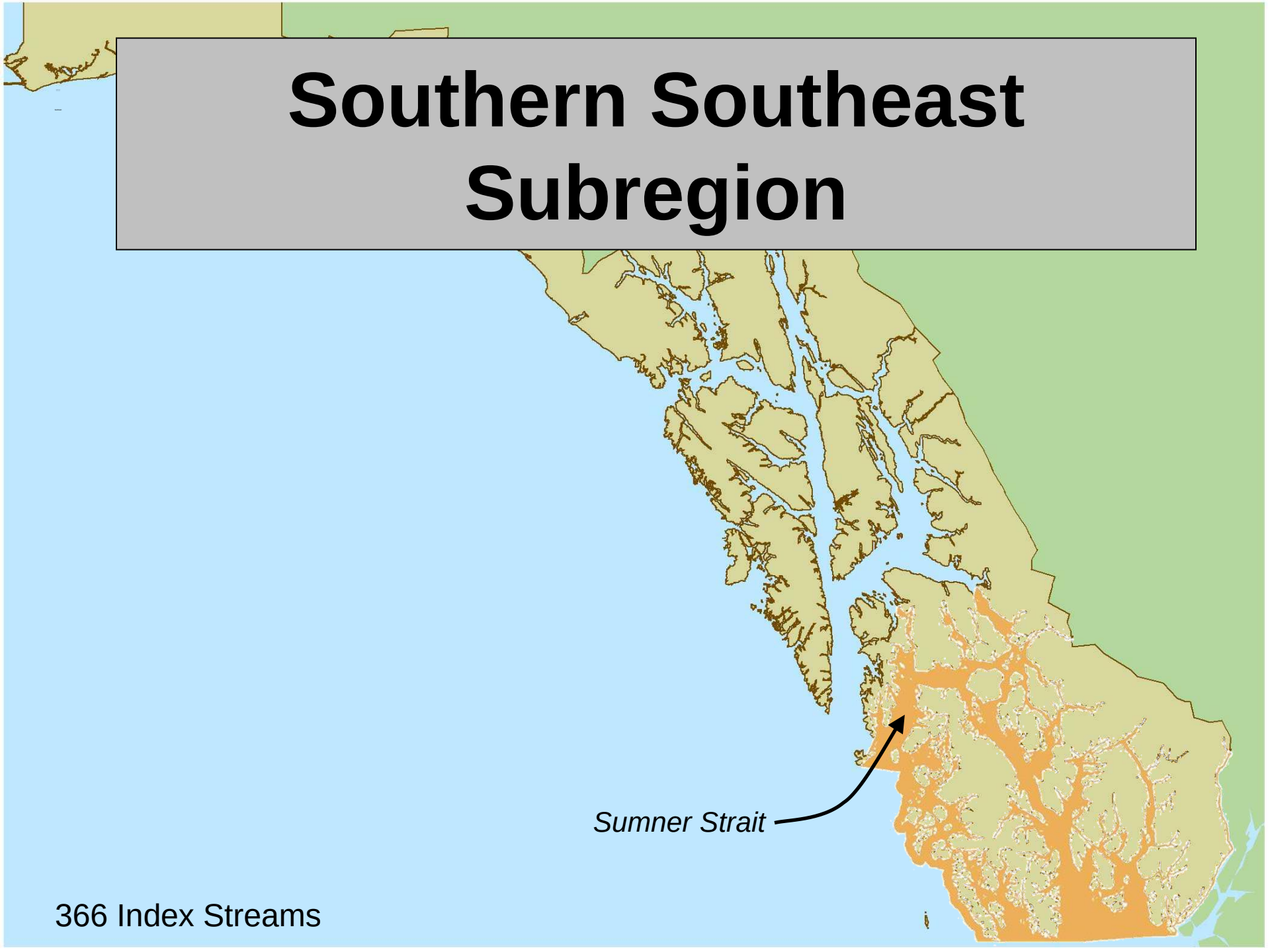

Southeast Alaska Sockeye Salmon Harvest
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
1920
1925
1930
1935
1940
1945
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020


Southeast Alaska 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
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020


Southeast Alaska 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
2020

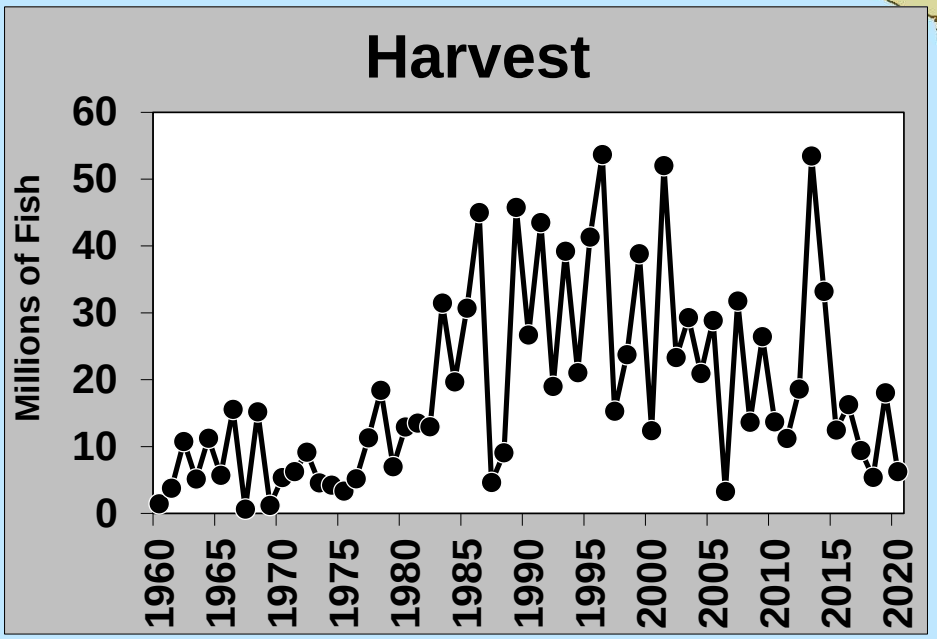

Coho Salmon Harvest
7,000,000
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
1930
1934
1938
1942
1946
1950
1954
1958
1962
1966
1970
1974
1978
1982
1986
1990
1994
1998
2002
2006
2010
2014
2018

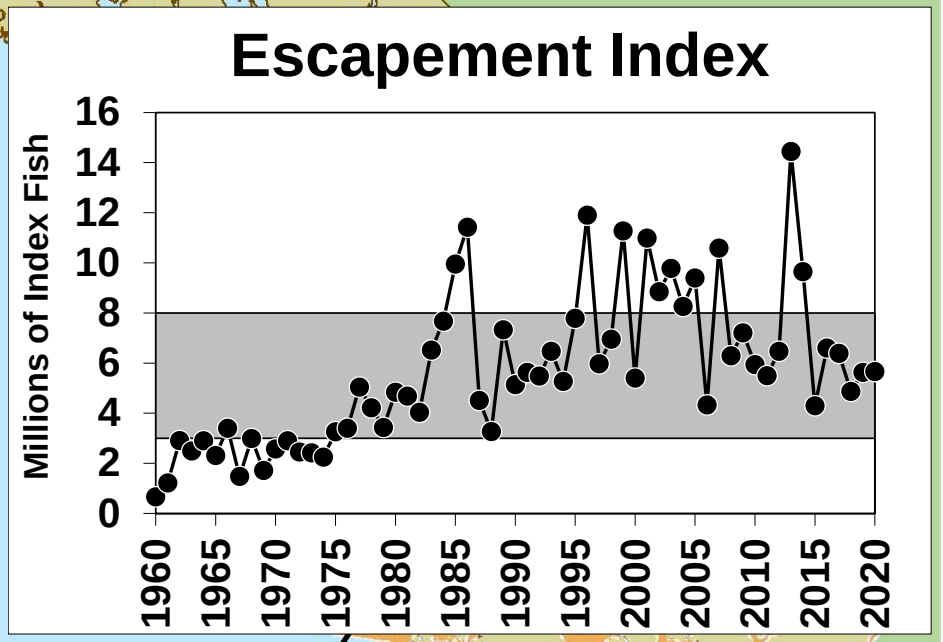
Southern Southeast Subregion



366 Index Streams

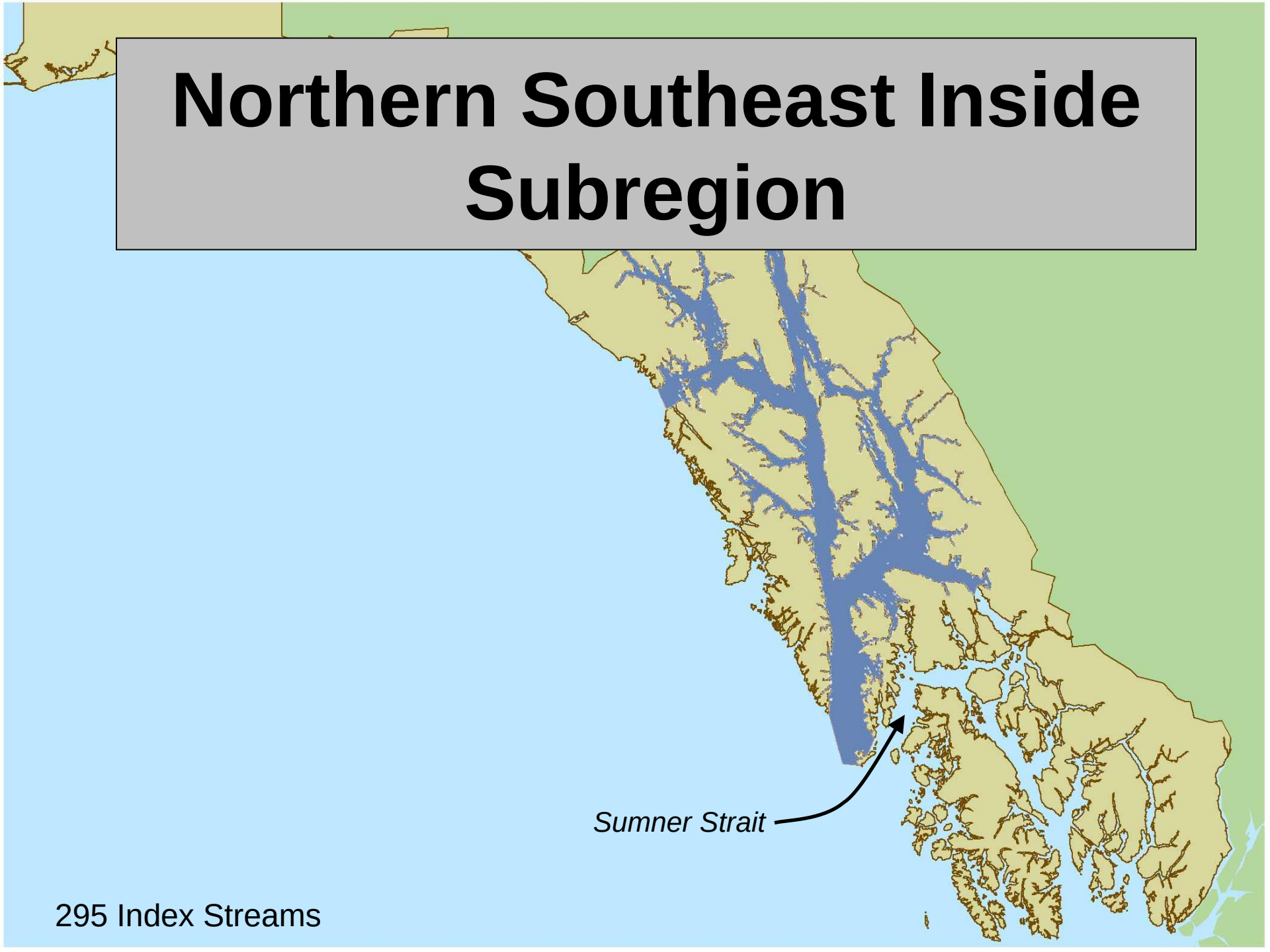
Southern Southeast Subregion





Sumner Strait

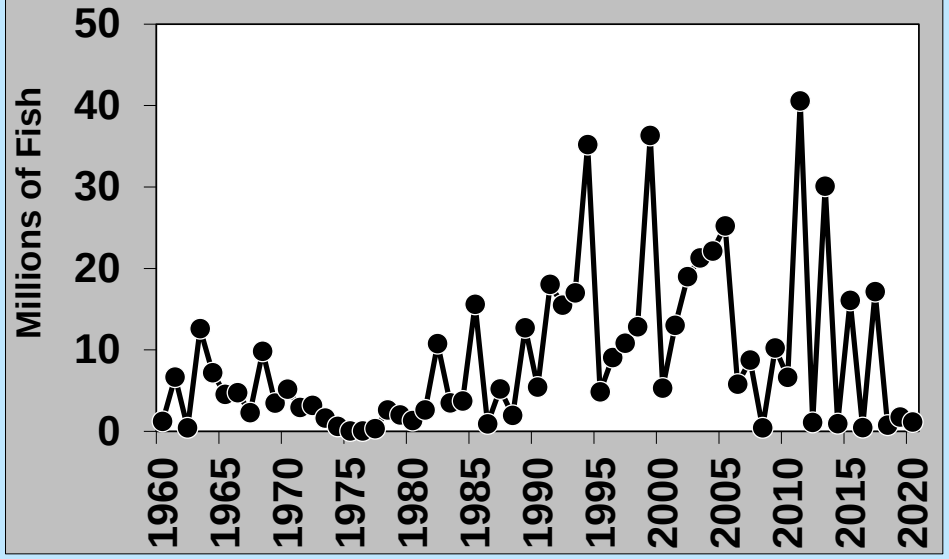
Northern Southeast Inside Subregion



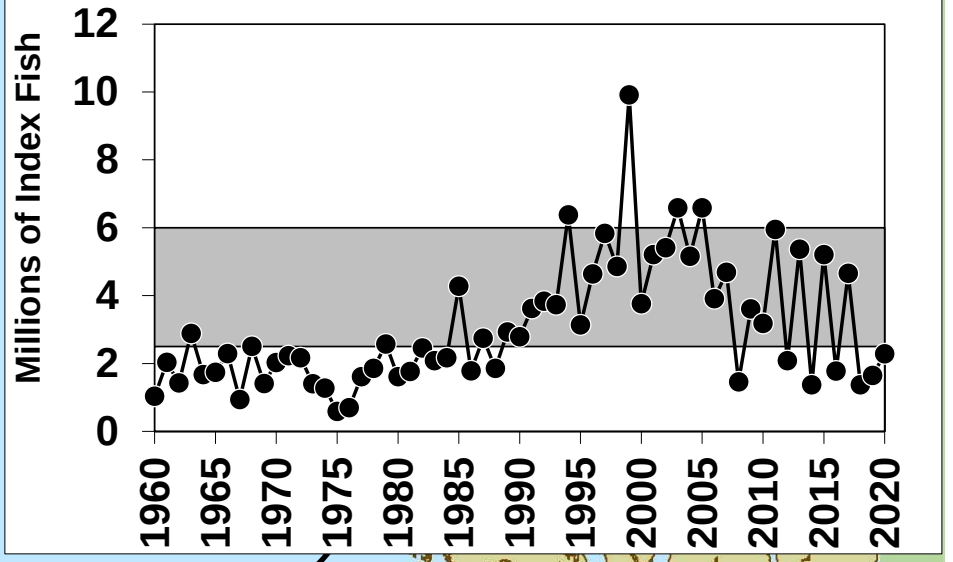
295 Index Streams

Northern Southeast Inside Subregion

Harvest

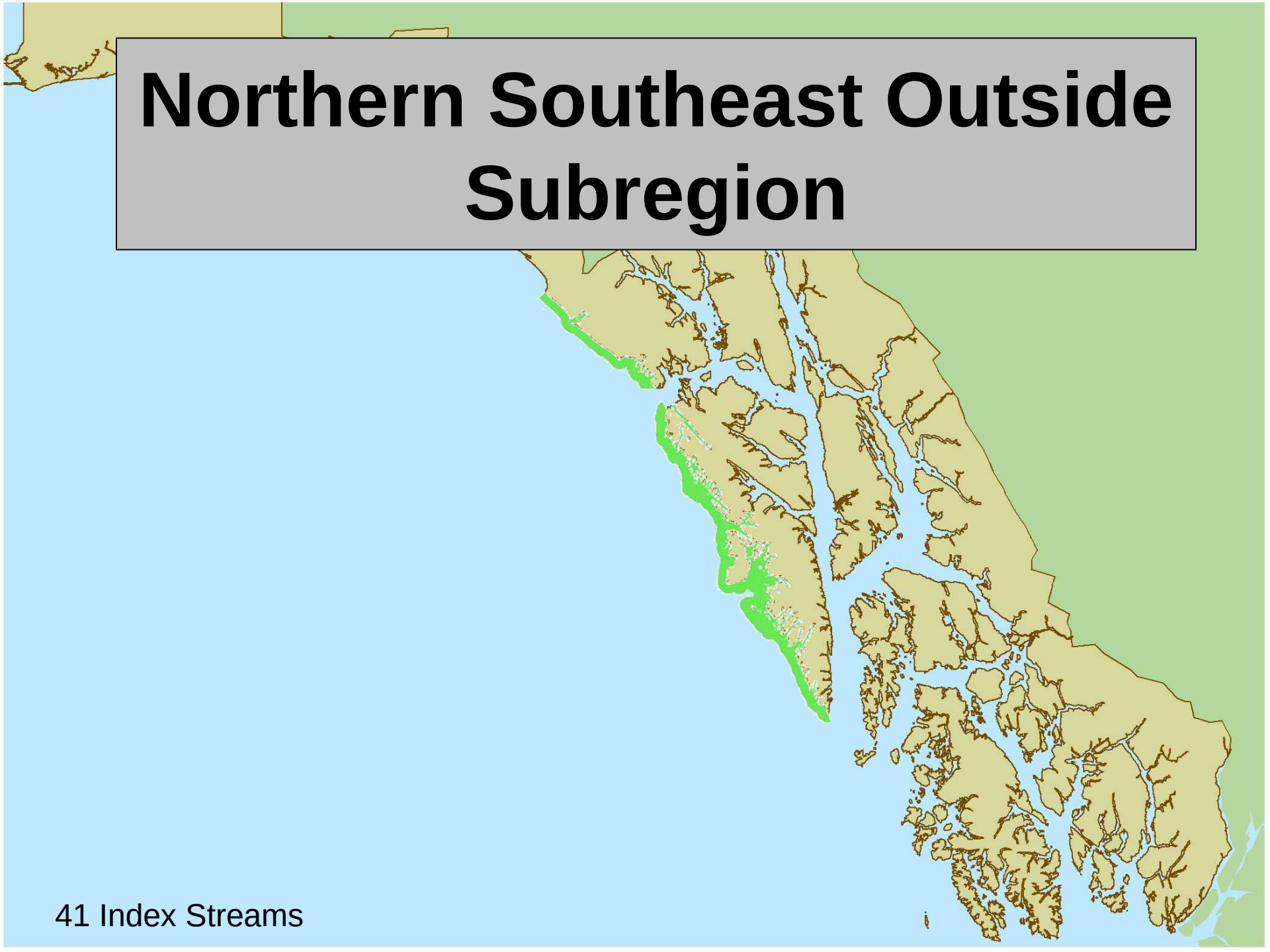


Escapement Index



Sumner Strait

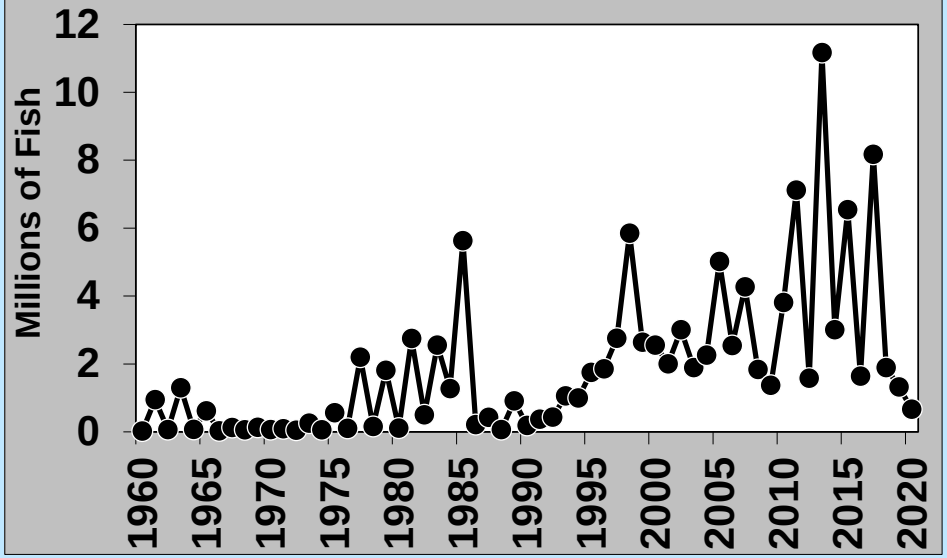
Northern Southeast Outside Subregion



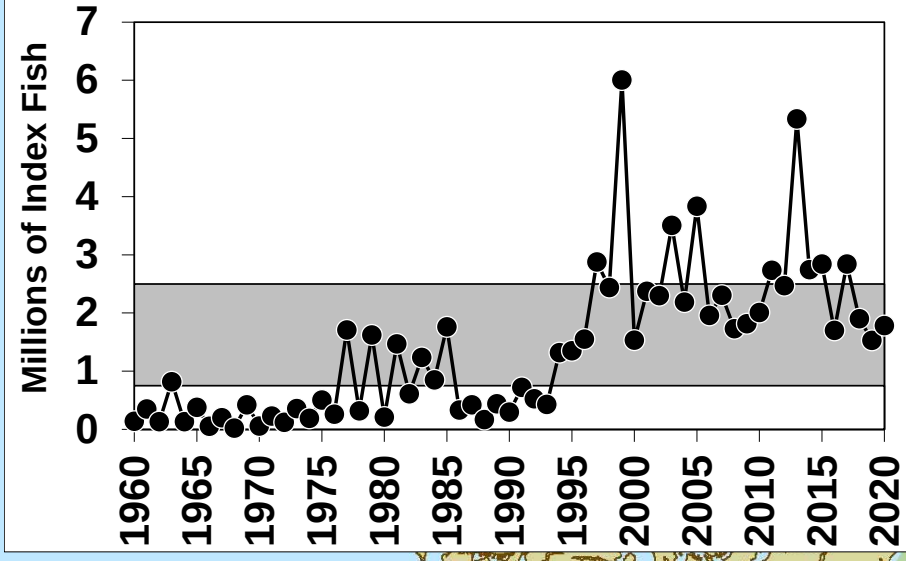
41 Index Streams

Northern Southeast Outside Subregion

Harvest

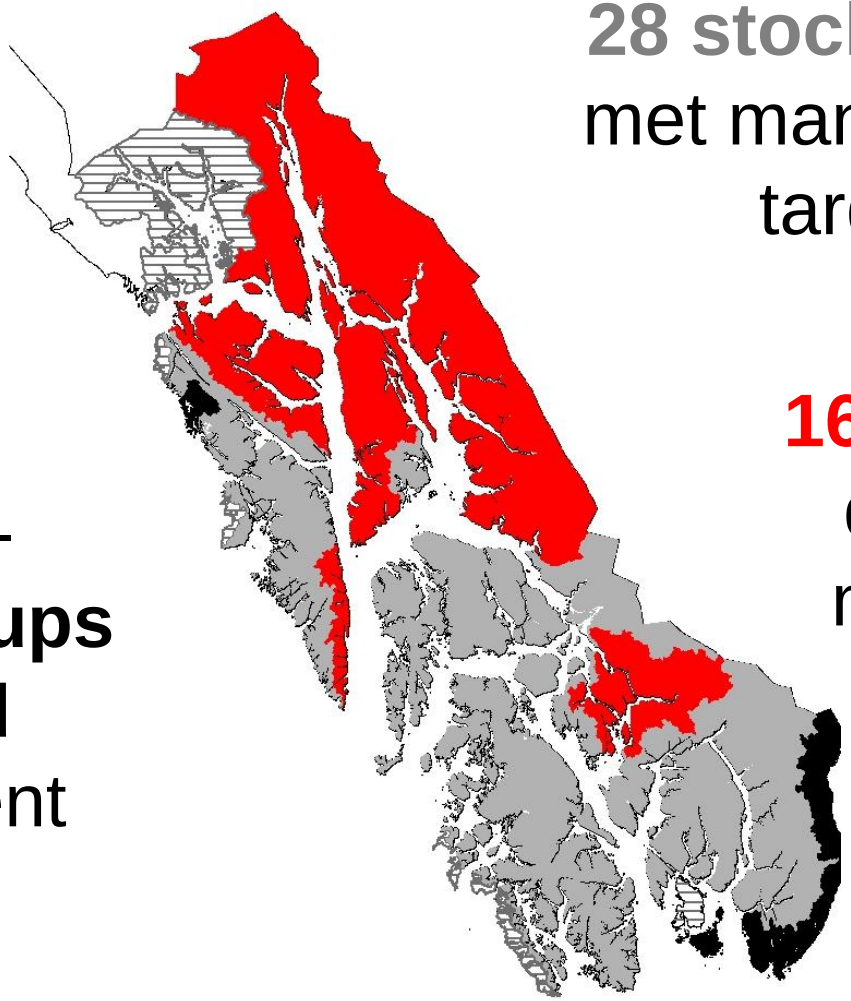


Escapement Index



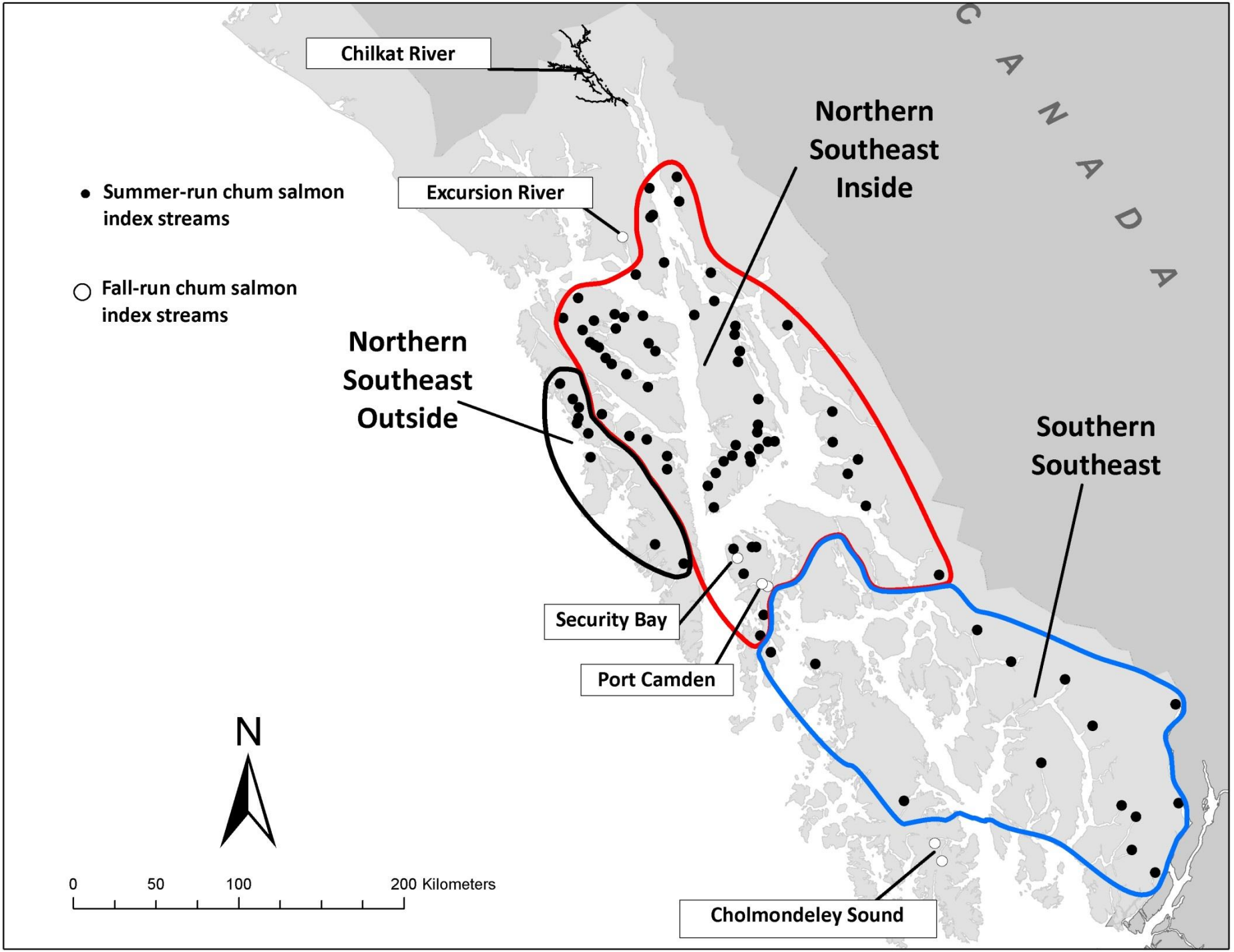
2020

BLACK –
2 stock groups
exceeded
management
targets



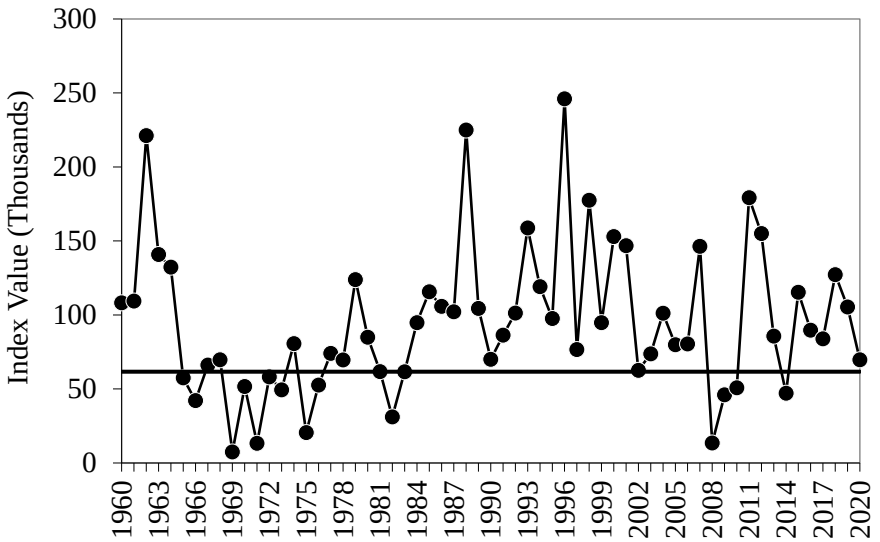
GRAY –
28 stock groups
met management
targets

RED –
16 stock group
did not meet
management
targets

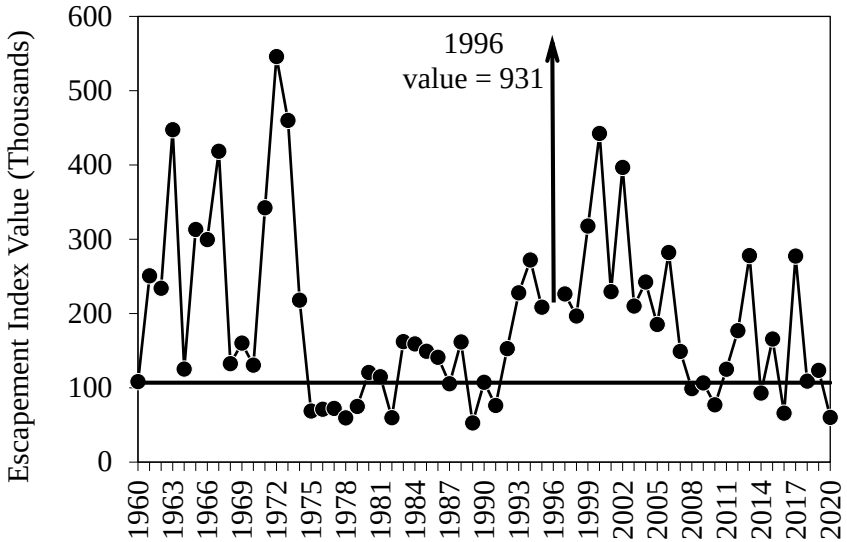

Chilkat River
Excursion River
Summer-run chum salmon index streams
Fall-run chum salmon index streams
Northern Southeast Inside
Northern Southeast Outside
Southern Southeast
Security Bay
Port Camden
Cholmondeley Sound
CANADA
N
0
50
100
200 Kilometers

Summer Chum Salmon

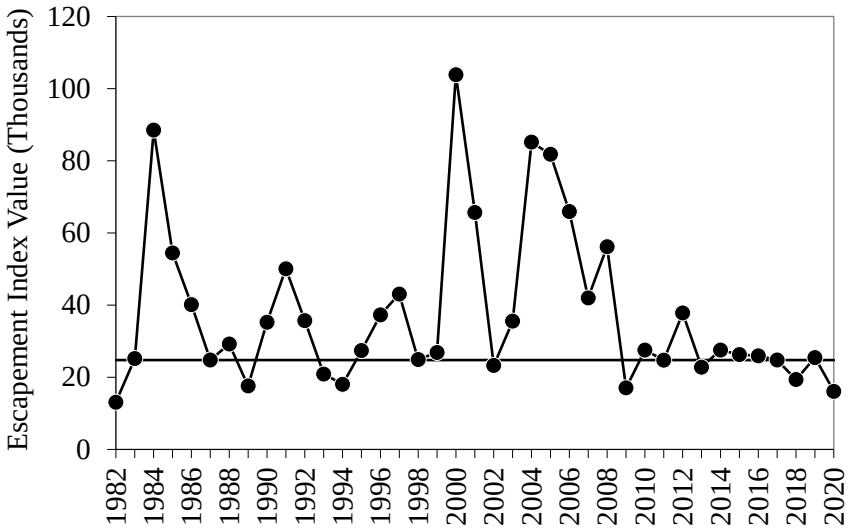
Southern Southeast

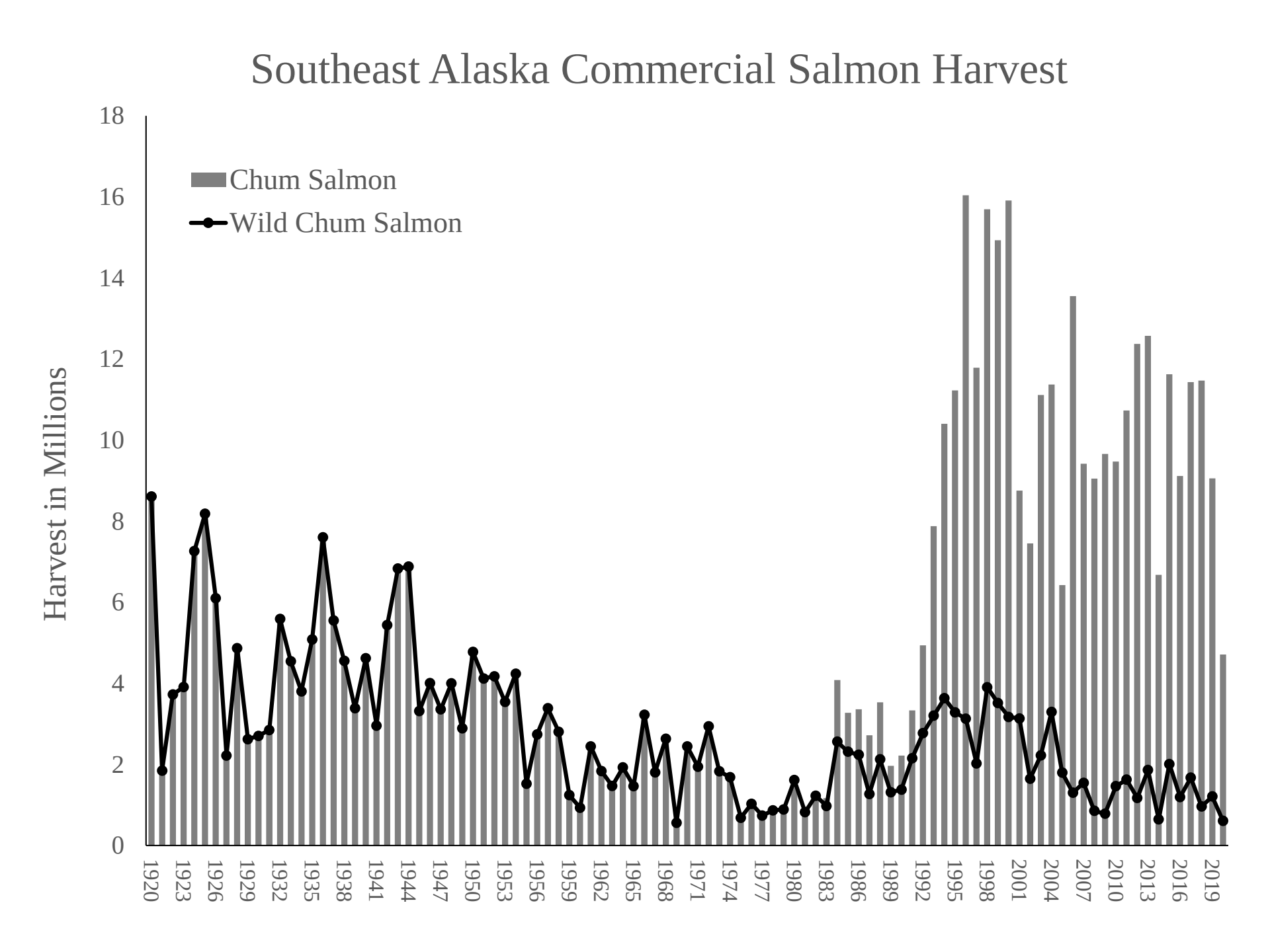


Northern Southeast Inside



Northern Southeast Outside




Southeast Alaska Commercial Salmon Harvest
Harvest in Millions
Chum Salmon
Wild Chum Salmon
0
2
4
6
8
10
12
14
16
18
1920
1923
1926
1929
1932
1935
1938
1941
1944
1947
1950
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1956
1959
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1968
1971
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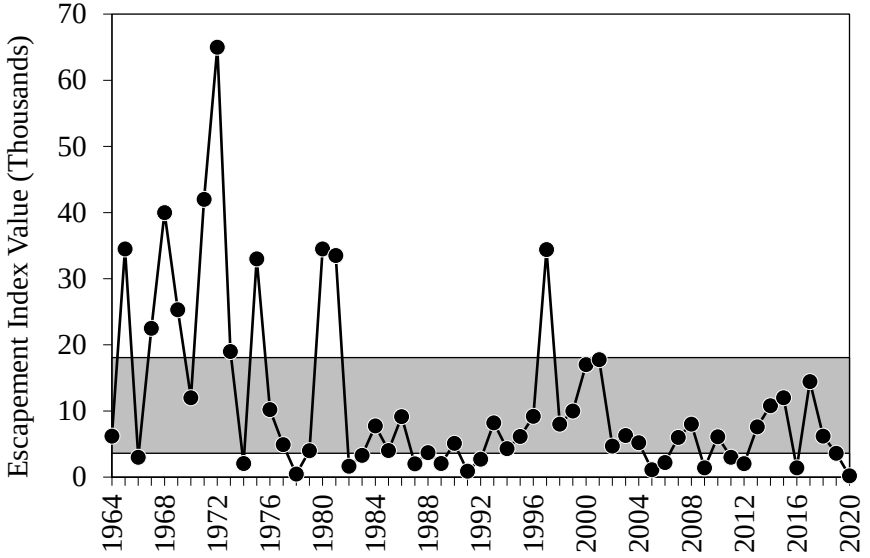
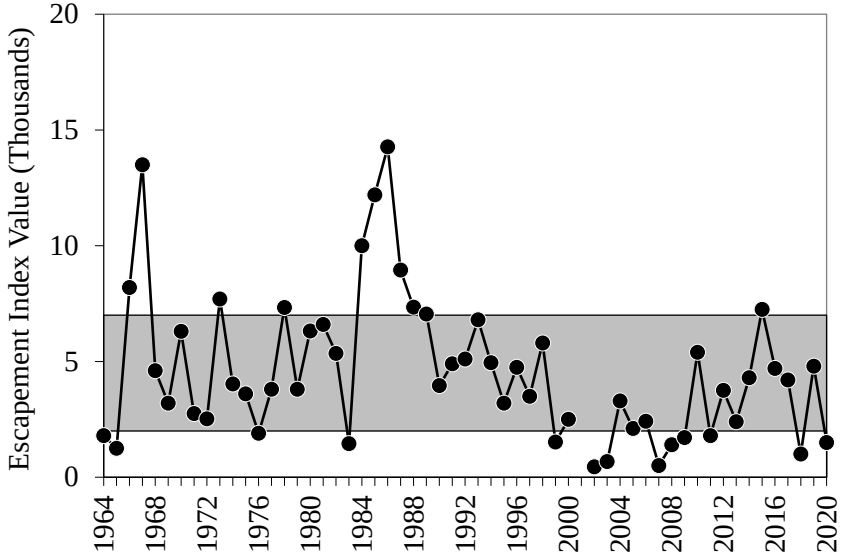
2007
2010
2013
2016
2019

Fall Chum Salmon

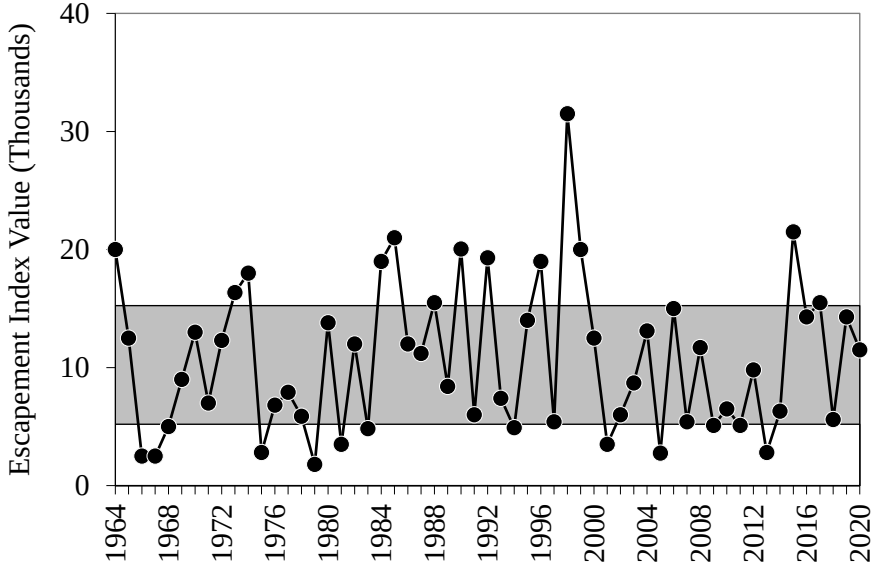
Excursion River



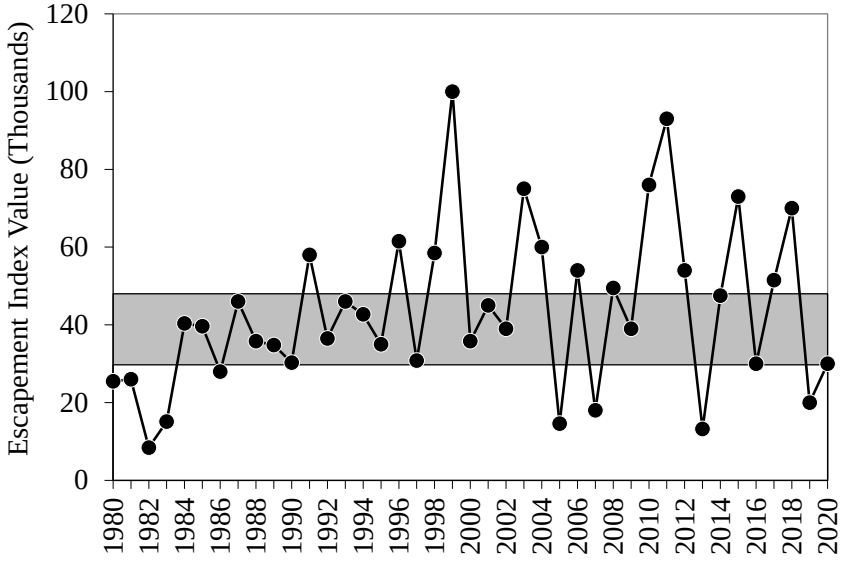
Port Camden

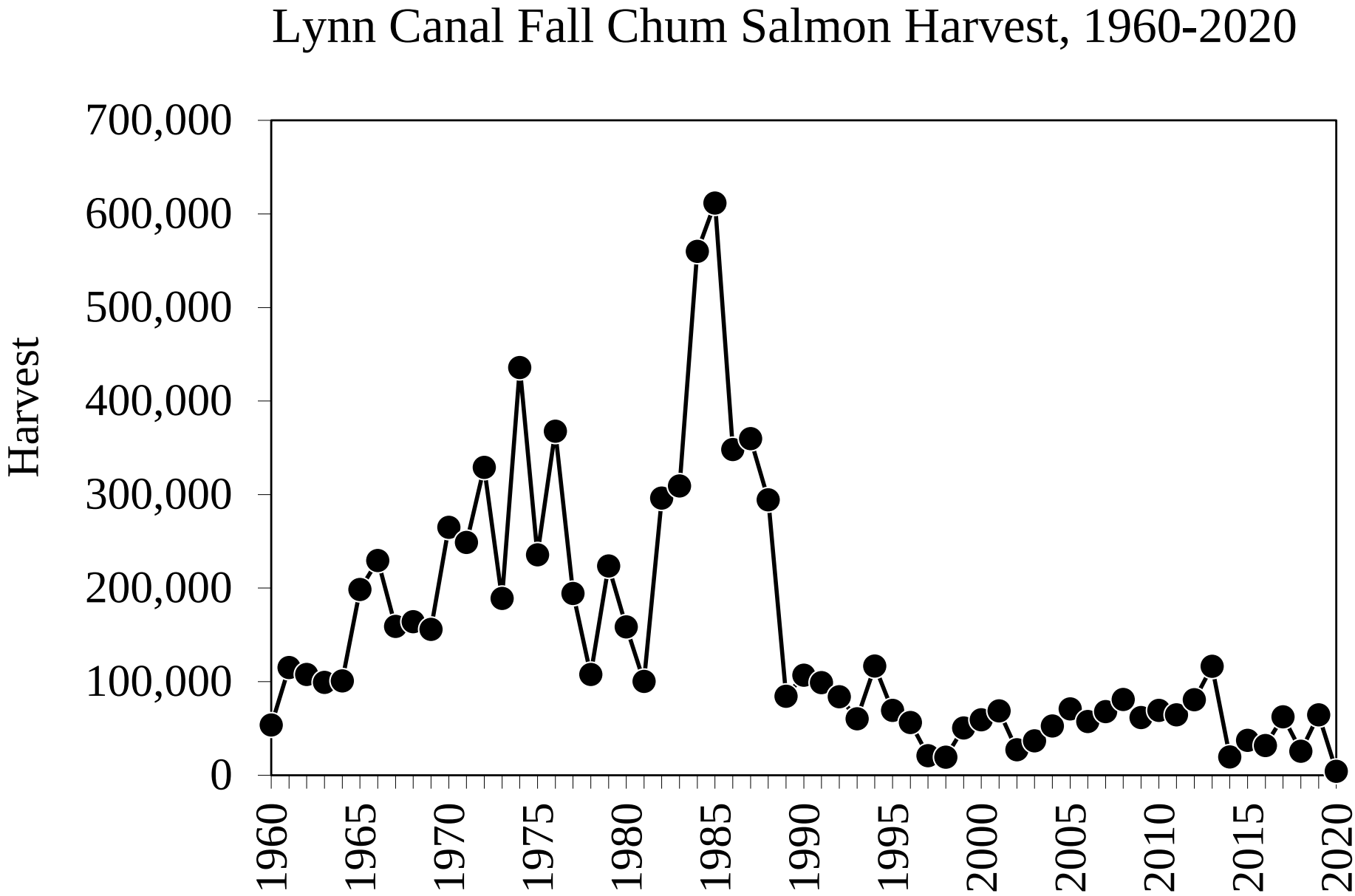


Security Bay



Cholmondeley Sound




Lynn Canal Fall Chum Salmon Harvest, 1960-2020
Harvest
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015
2020

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
2020	634	52,126	173	495	65	8,610	630

[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
2020	3,296	29,349	No Data	No Data	56,000

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

Chinook Salmon

System	Escapement Goal[a]	Escapement[b] 2015	2016	2017	2018	2019	2020[b]
Blossom River	500–1,400	642	522	341	1,087	557	515
Keta River	550–1,300	915	1,342	903	1,662	1,041	668
Unuk River	1,800–3,800	2,623	1,463	1,203	1,971	3,115	1,135
Chickamin River	2,150–4,300	2,760	964	722	2,052	1,610	2,280
Andrew Creek	650–1,500	796	402	349	482	698	470
Stikine River	14,000–28,000	21,597	10,554	7,335	8,603	13,817	10,671
King Salmon River	120–240	50	149	85	30	27	99
Taku River	19,000–36,000	23,567	9,177	8,214	7,271	11,558	15,593
Chilkat River	1,750–3,500	2,452	1,380	1,173	873	2,028	3,180
Alsek River	3,500–5,300	5,697	2,514	1,792	4,312	6,364	5,308
Situk River	450–1,050	174	329	1,187	420	623	1,197

Questions?