

Chignik Management Area Salmon Fishery

by
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Report to the Alaska Board of Fisheries
February 2023

Written Report: Supplemental materials

Staff Comments: RC 2

Oral Report: RC 3; Tab 7

Chignik Management Area Salmon Fishery

Overview

1. Geographic description of the Chignik Management Area (CMA)
2. Salmon management and harvest strategy
3. Escapement, harvest, and value information
4. 2019–2022 season summaries
5. Summary of proposals
6. Single run goal changes to management



Black Lake (Early Run)

Chignik Lake (Late Run)

Cape Igvak

Area K

Kilokak Rocks

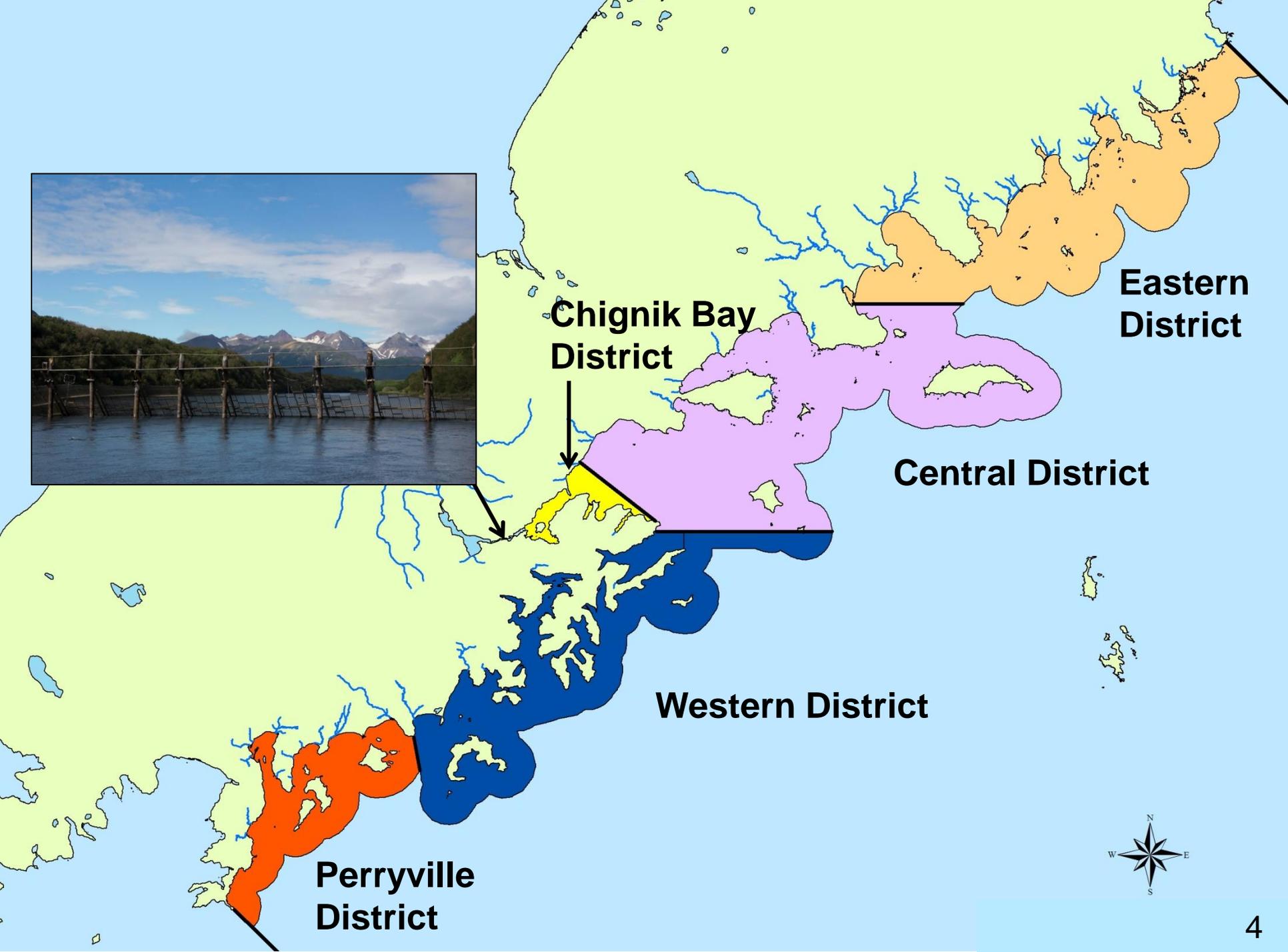
Area L

SEDM

Kupreanof Point

Area M





**Chignik Bay
District**

**Eastern
District**

Central District

Western District

**Perryville
District**



Chignik Management Area Salmon Fishery

Chignik Salmon Management Plan (1999; 5 AAC 15.357)

- In effect from June 1–October 31
- Fishing periods established by emergency order (EO)
- Purse seine and hand purse seine gear
- Organized into districts or groups of districts
 - Eastern District
 - Chignik Bay and Central Districts
 - Western and Perryville Districts

Eastern District Harvest Strategy



Eastern
District

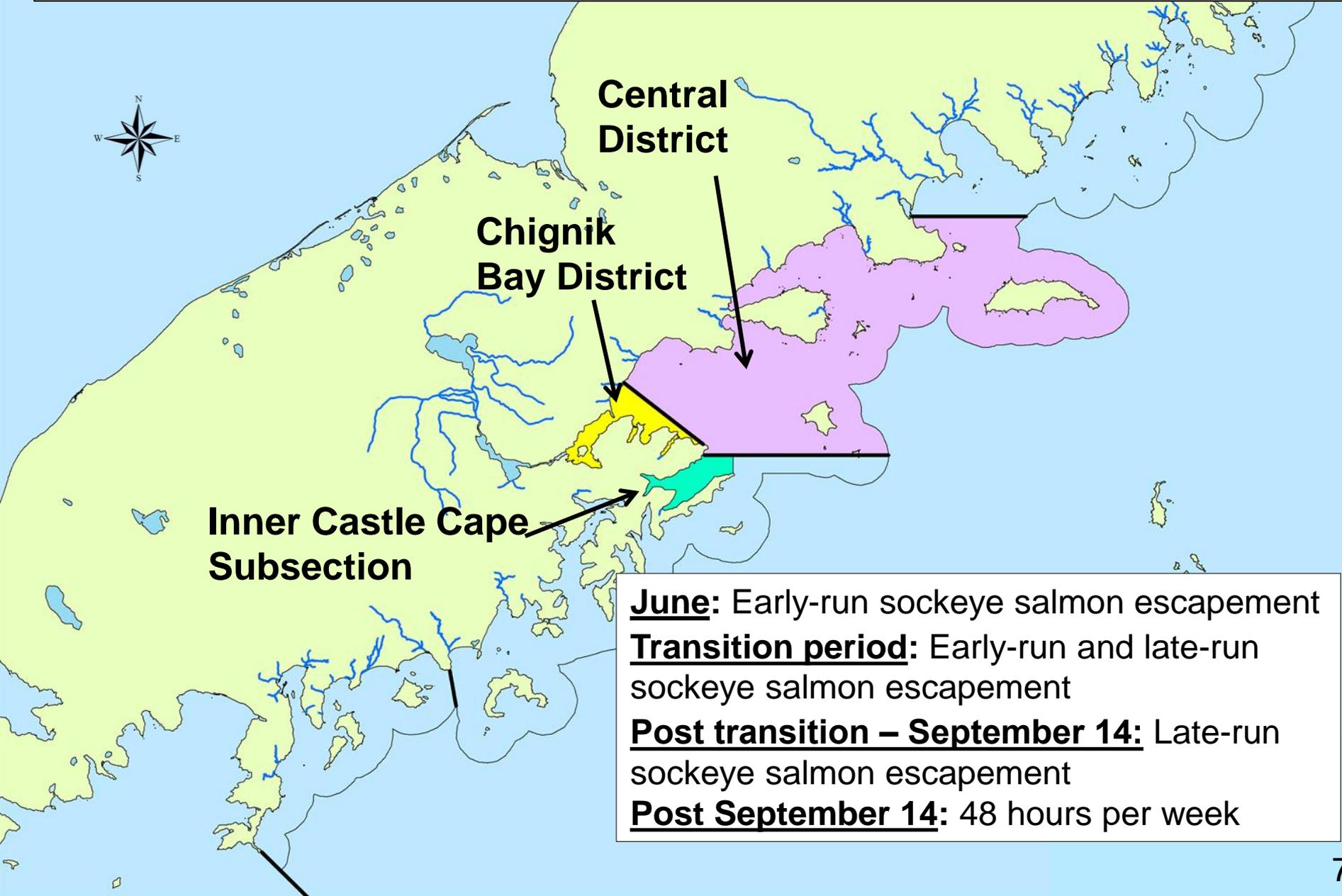
June: Early-run sockeye salmon escapement, concurrent with Chignik Bay and Central Districts

Transition period: About June 26 – July 8. Early- and late-run sockeye salmon escapement

Post transition to July 31: Sockeye salmon escapement, evaluation of local pink and chum salmon

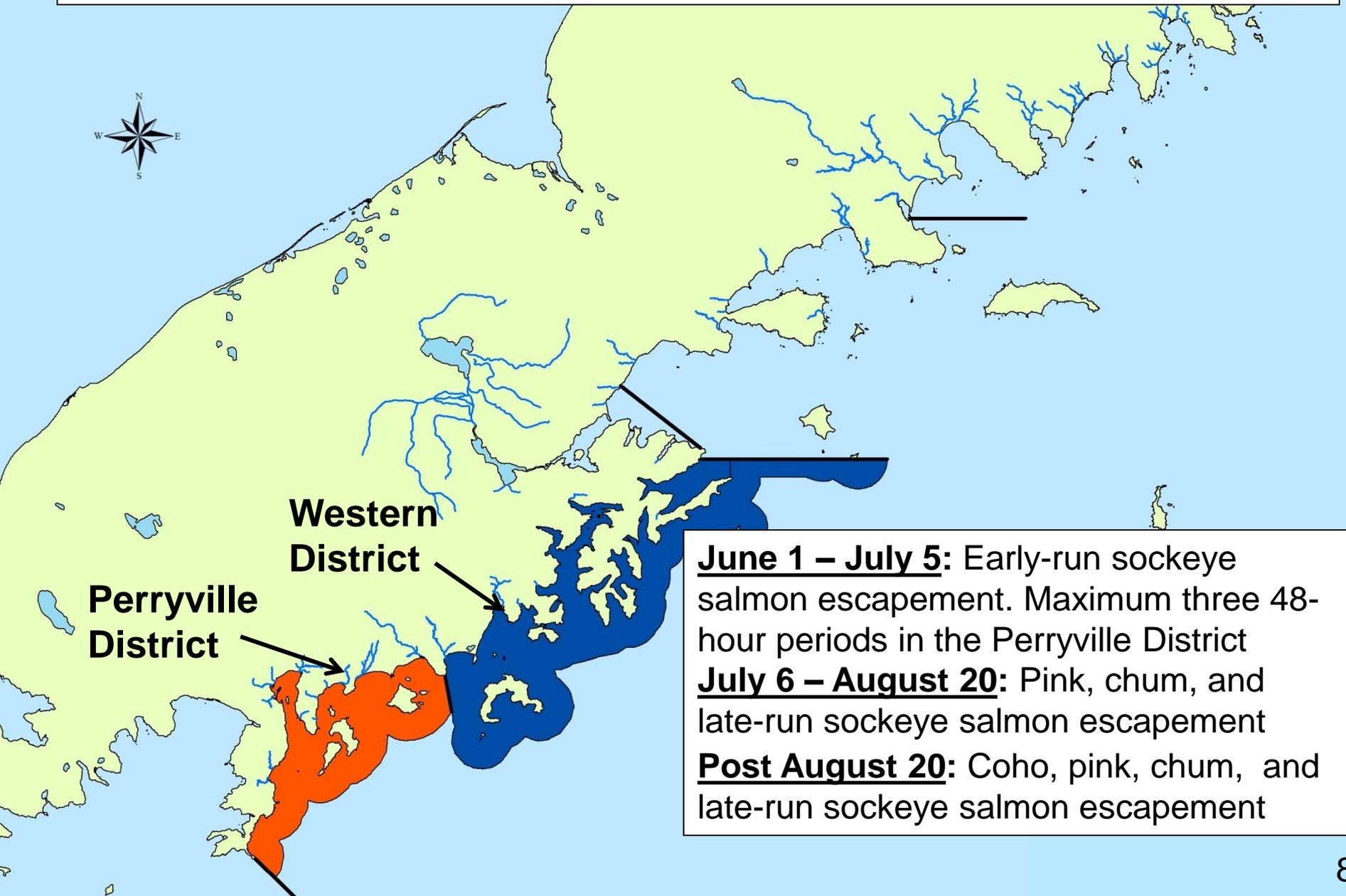
Post July 31: Sockeye salmon escapement, evaluation of local pink, chum, and coho salmon runs

Chignik Bay and Central Districts Harvest Strategy



June: Early-run sockeye salmon escapement
Transition period: Early-run and late-run sockeye salmon escapement
Post transition – September 14: Late-run sockeye salmon escapement
Post September 14: 48 hours per week

Western and Perryville Districts Harvest Strategy



Chignik Management Area Salmon Fishery

Chignik River Sockeye Salmon Escapement Goals

Early-run BEG: 350,000–450,000

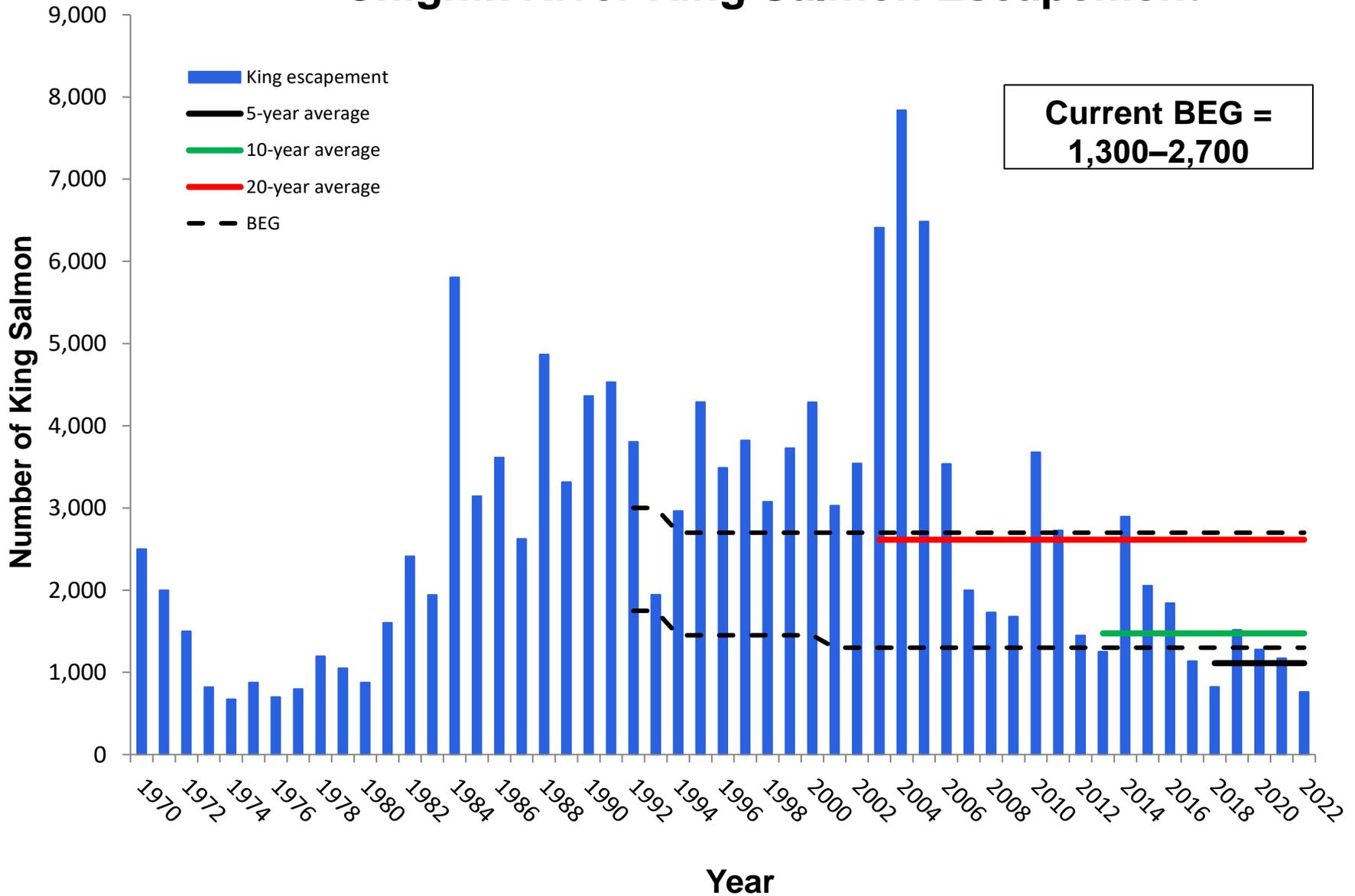
Late-run SEG: 200,000–400,000

Inriver Run Goal (IRRG)

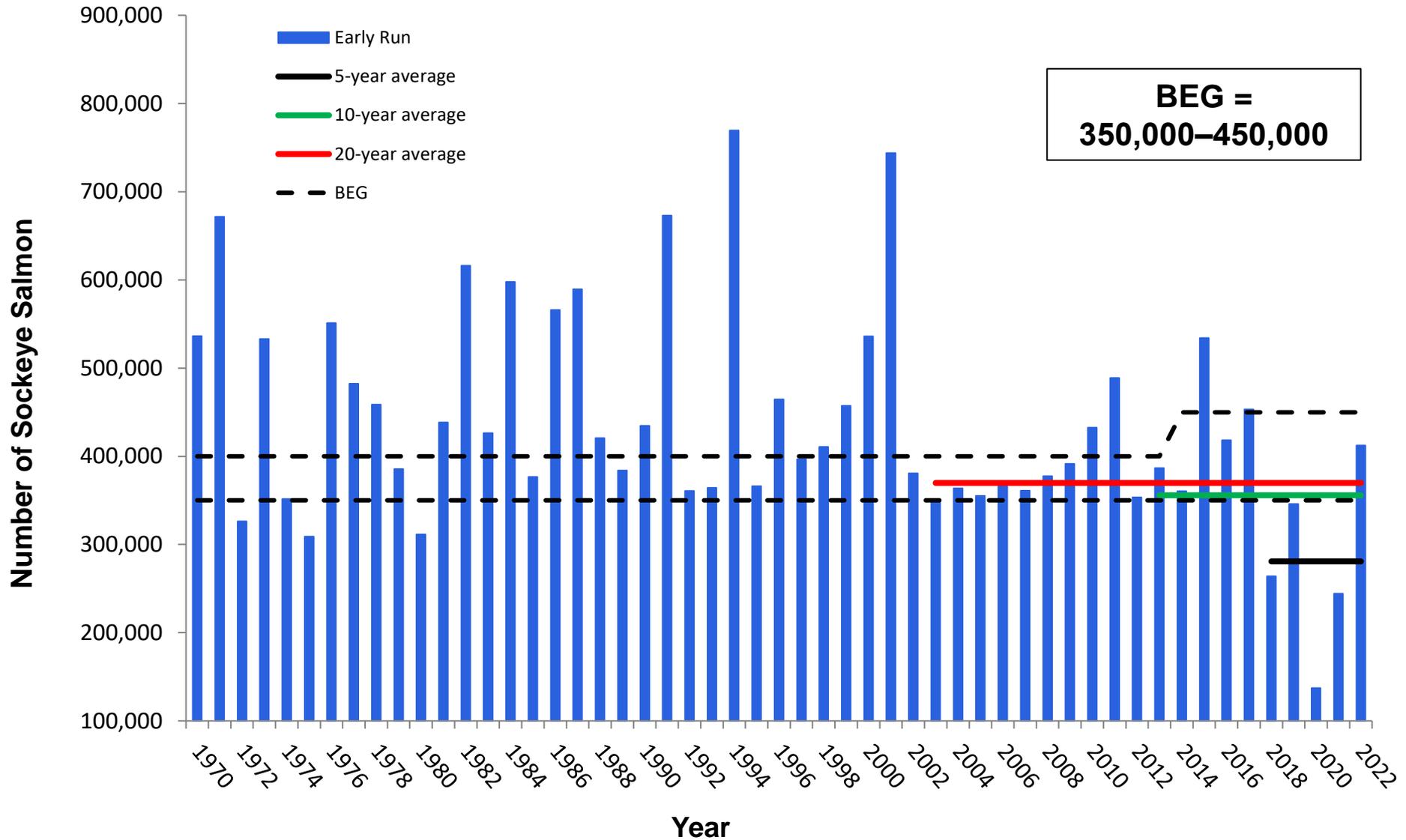
- 20,000 sockeye salmon in addition to late-run escapement objectives to provide for late-season subsistence needs
- 10,000 of the IRRG sockeye salmon in August
- 10,000 of the IRRG sockeye salmon in September

Late-run SEG + IRRG = 220,000–400,000

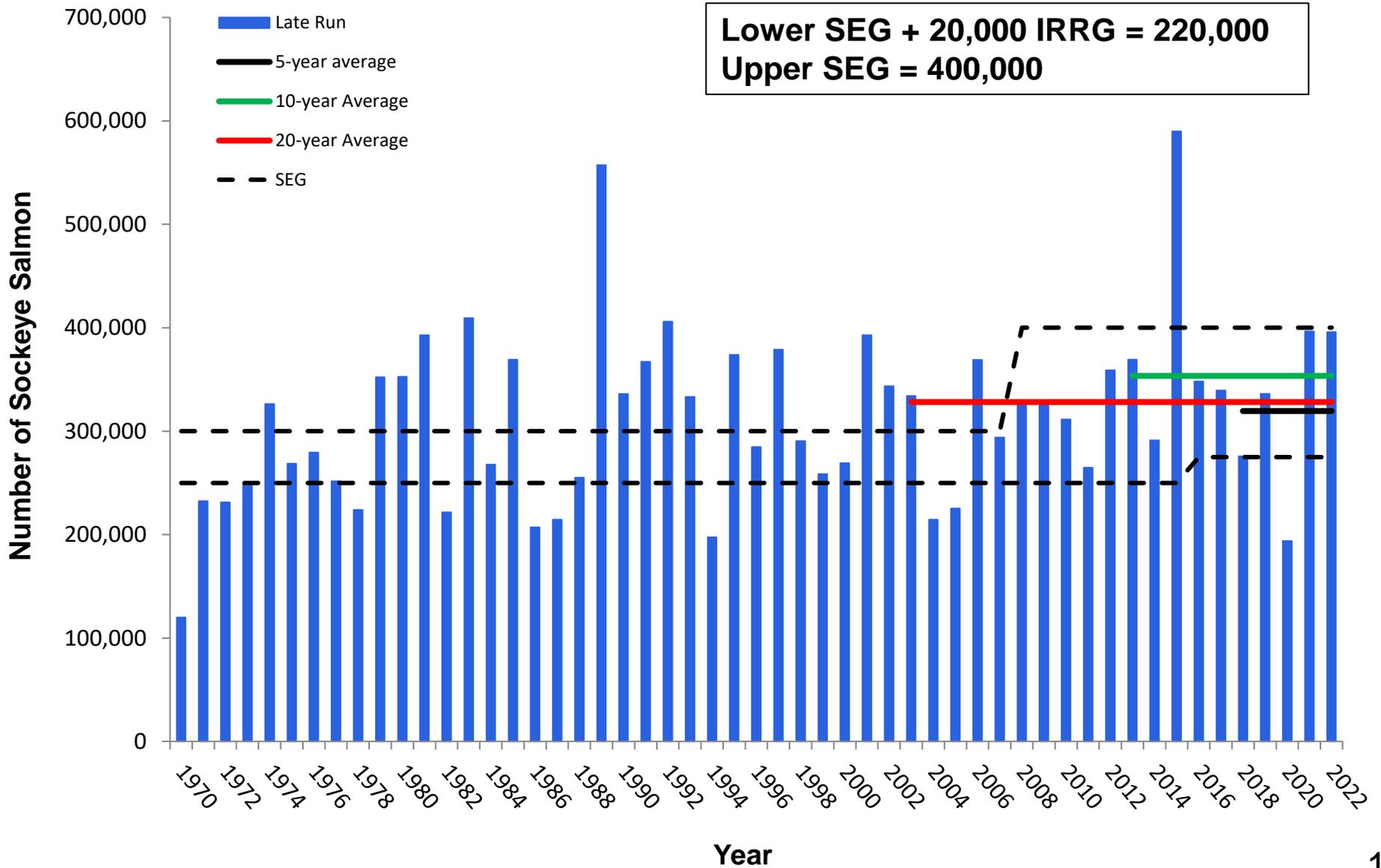
Chignik River King Salmon Escapement



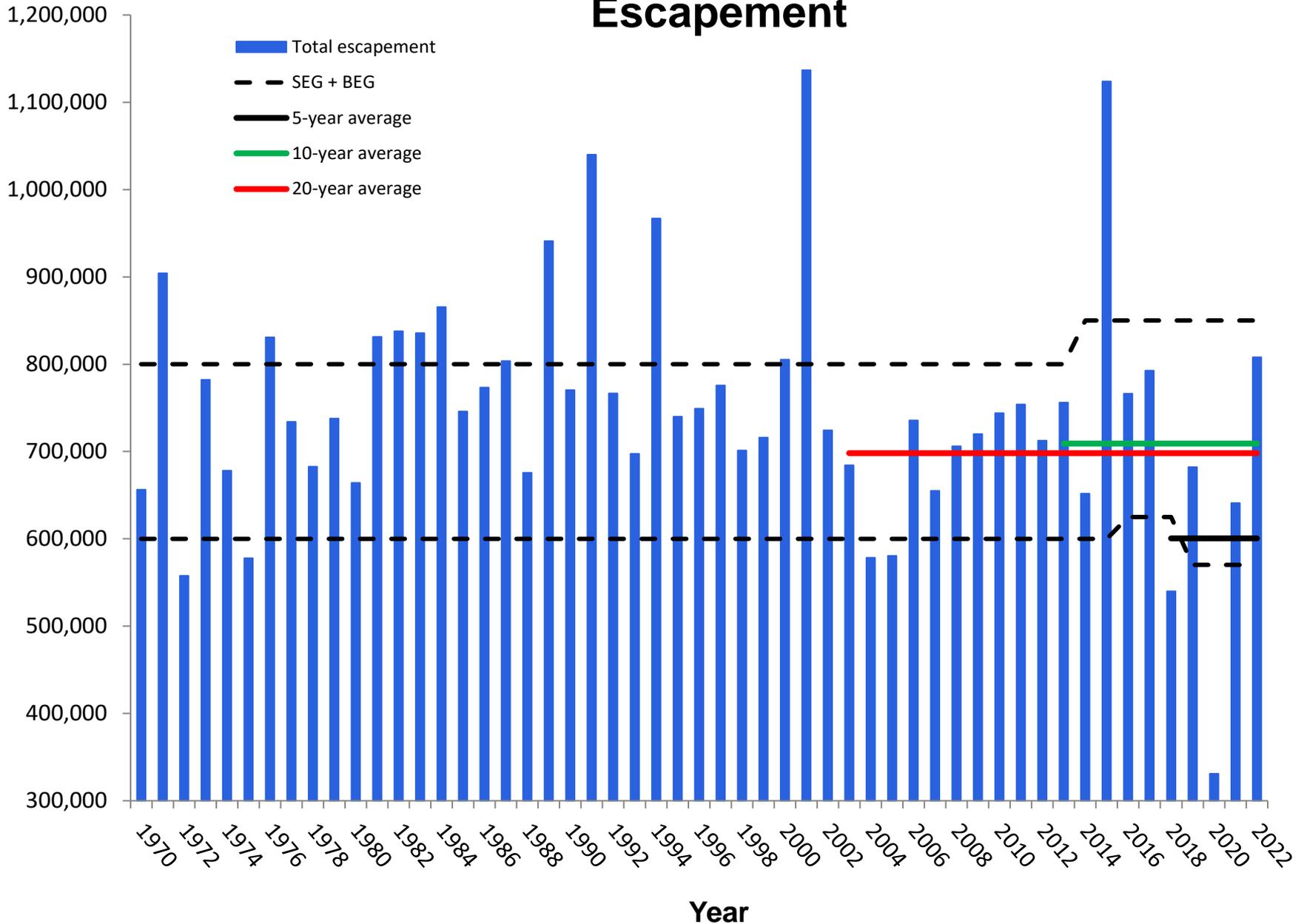
Chignik River Early-Run Sockeye Salmon Escapement



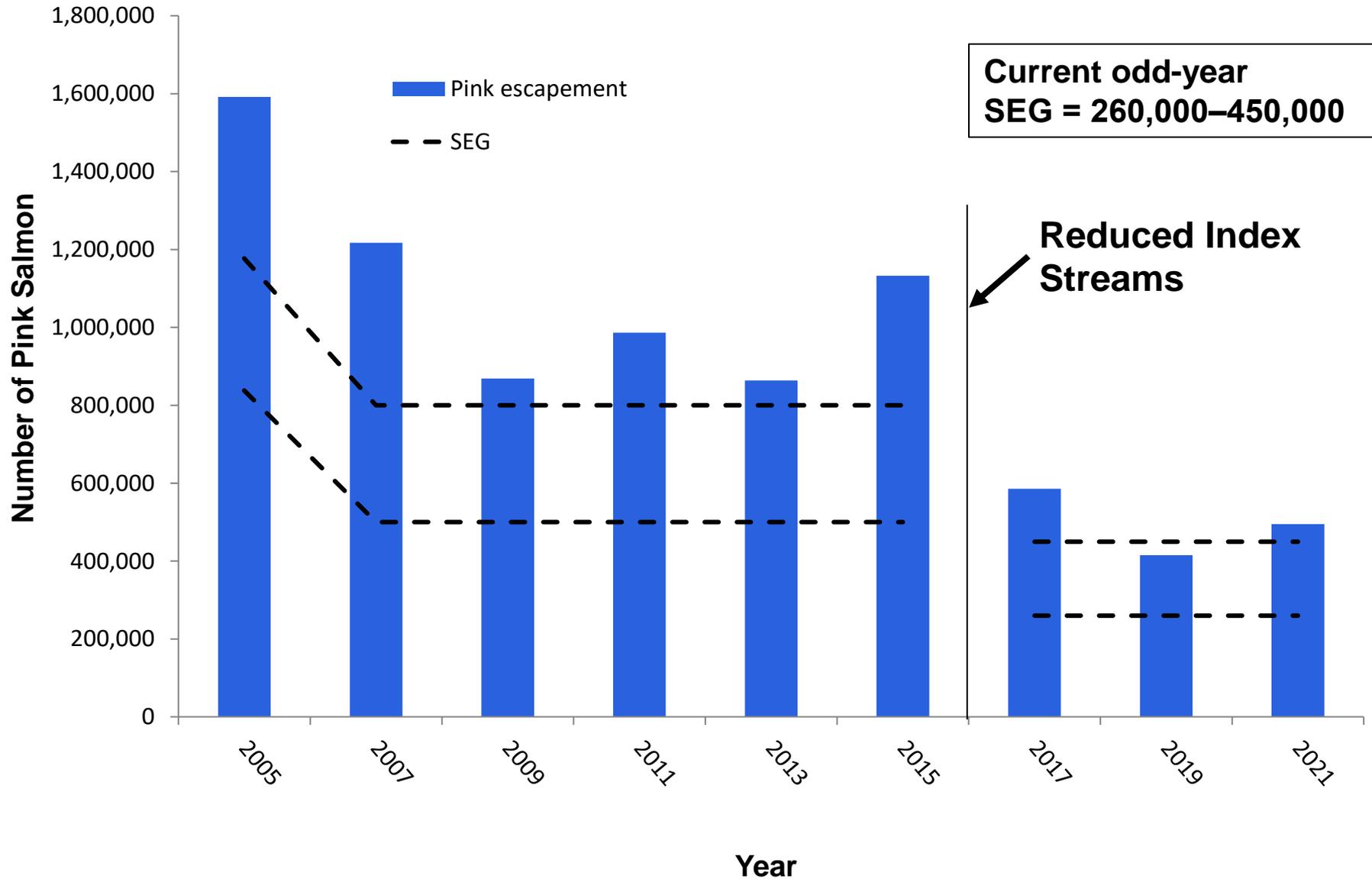
Chignik River Late-Run Sockeye Salmon Escapement



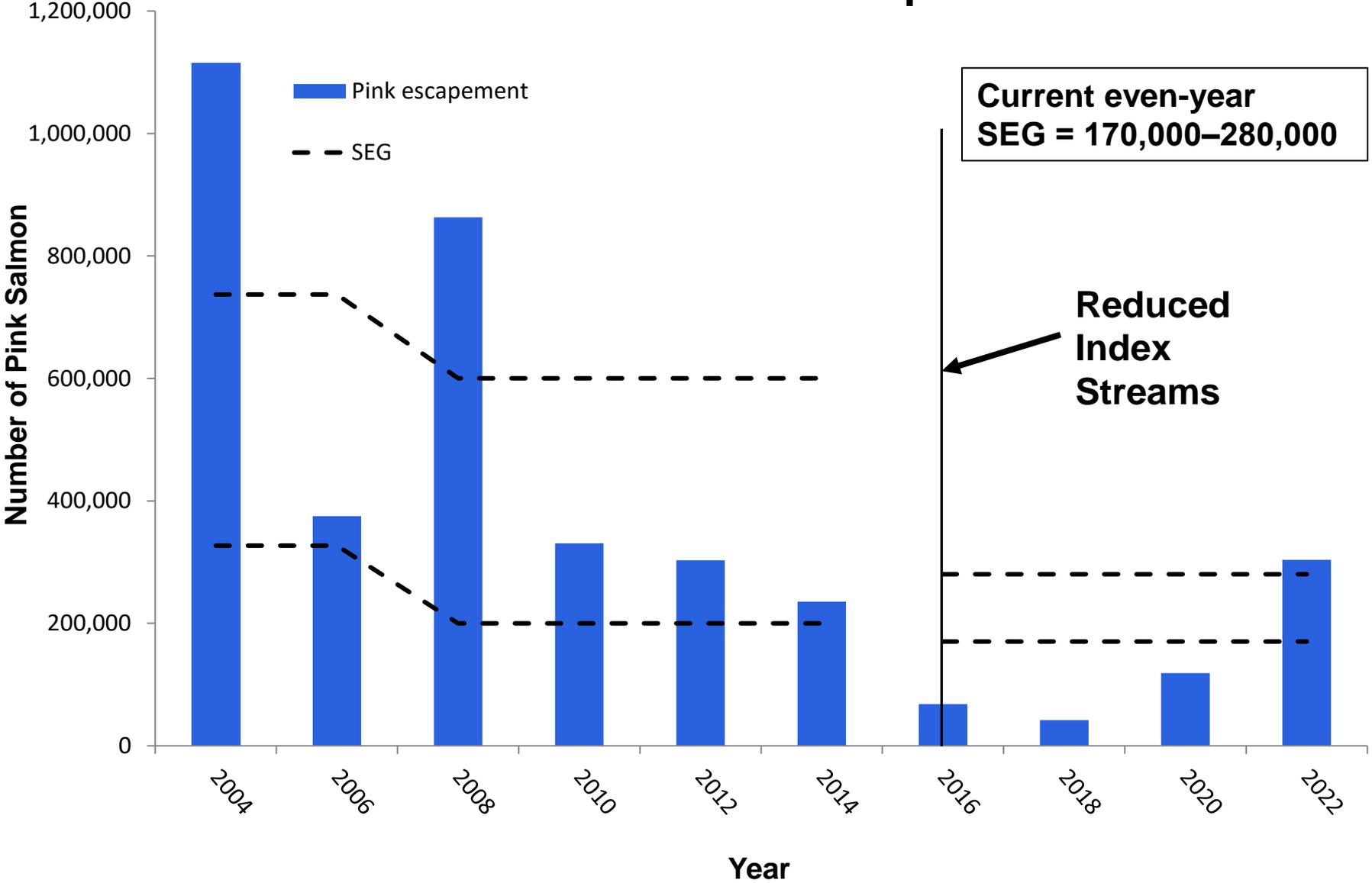
Chignik River Sockeye Salmon Combined Escapement



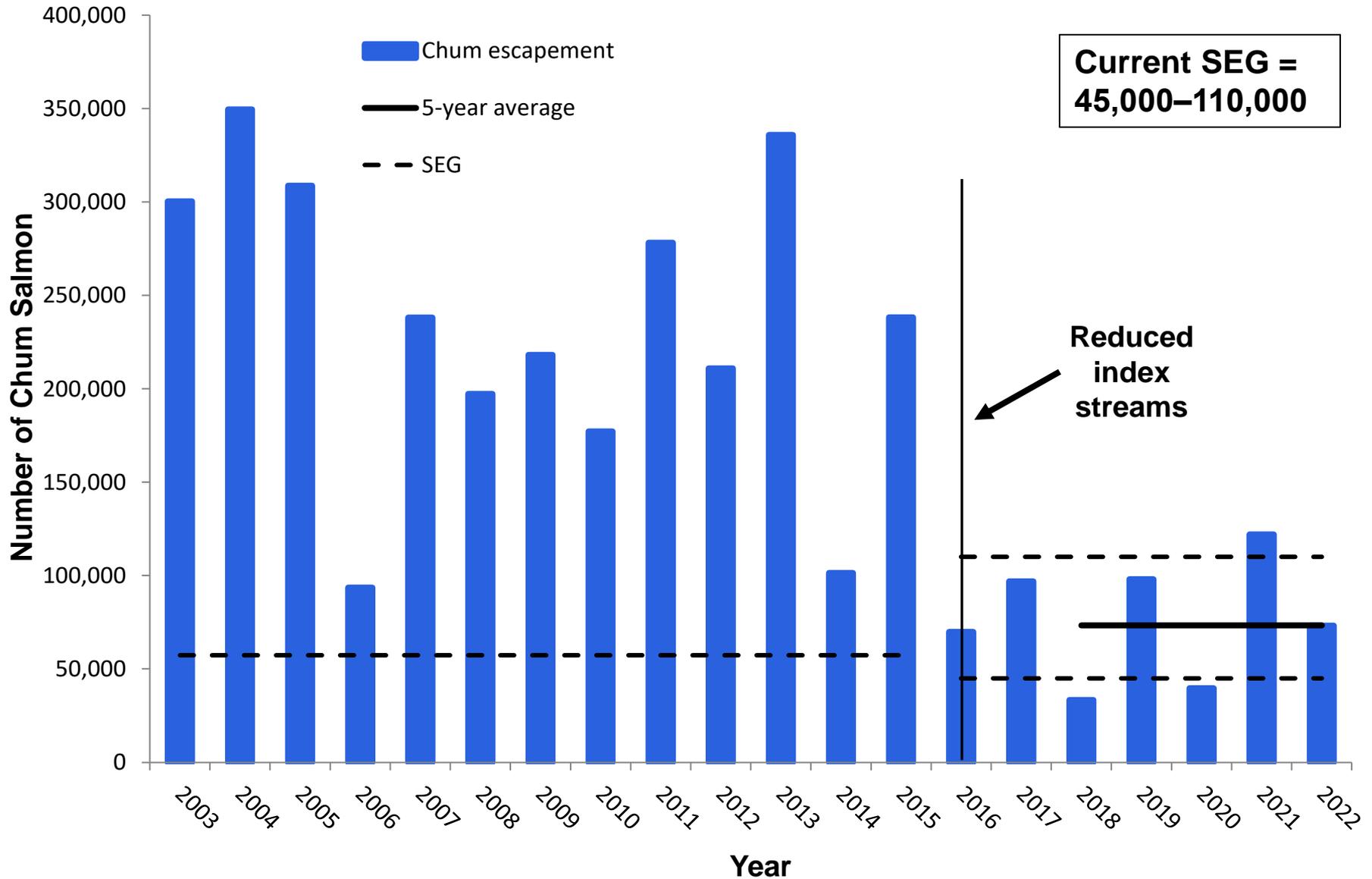
CMA Odd-year Peak Pink Salmon Escapement



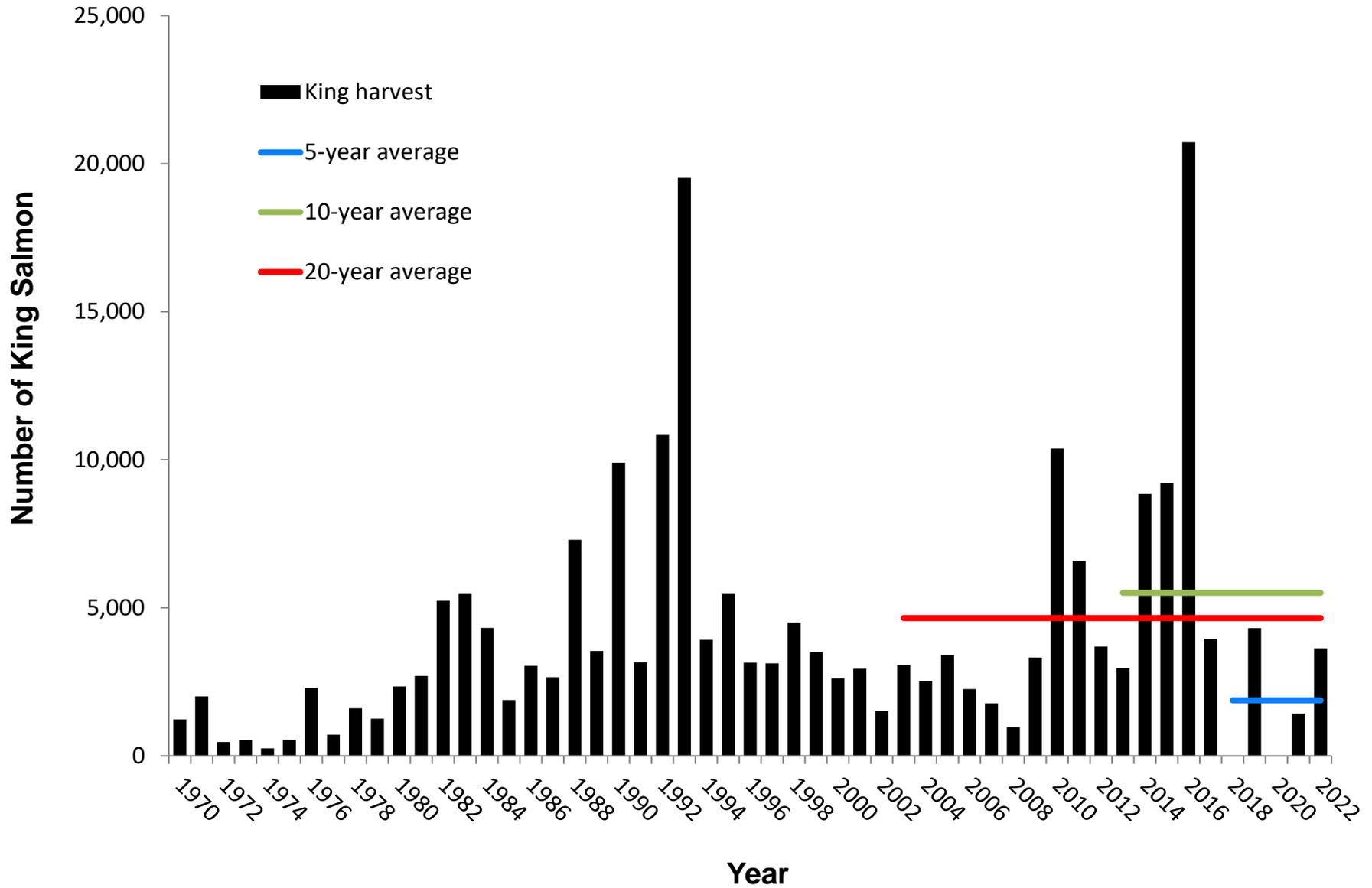
CMA Even-year Peak Pink Salmon Escapement



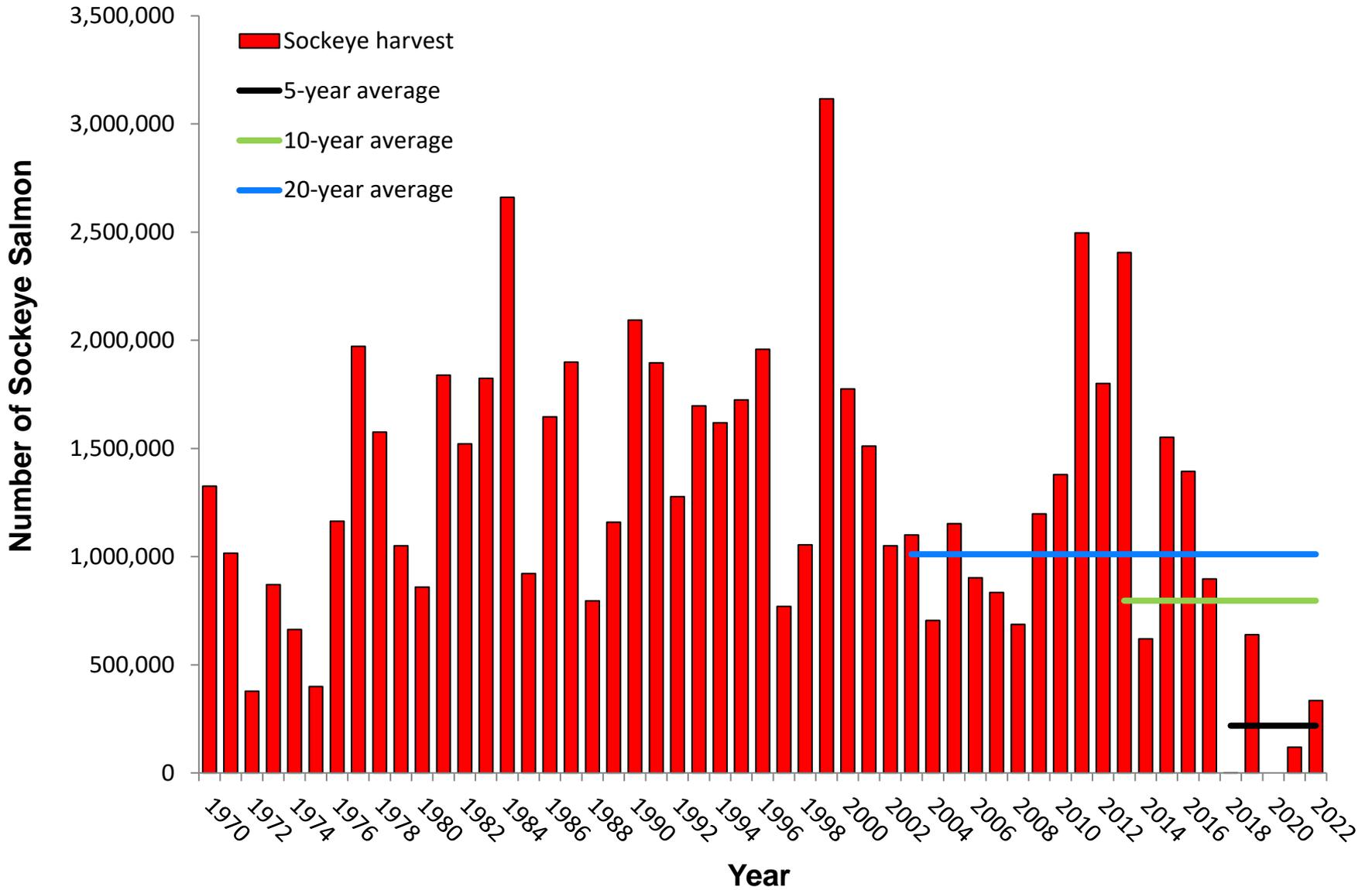
CMA Peak Chum Salmon Escapement



CMA King Salmon Harvest



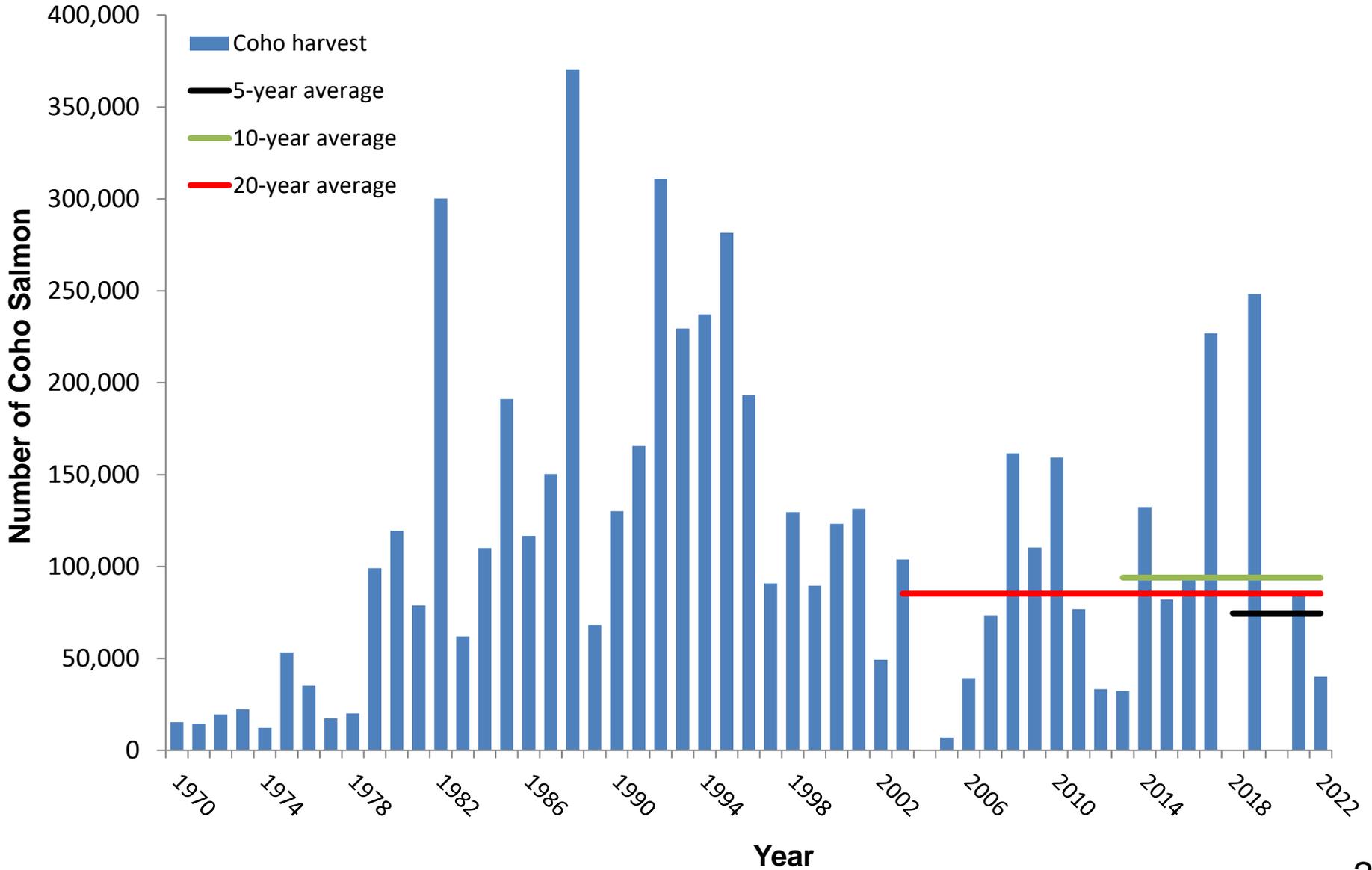
CMA Sockeye Salmon Harvest



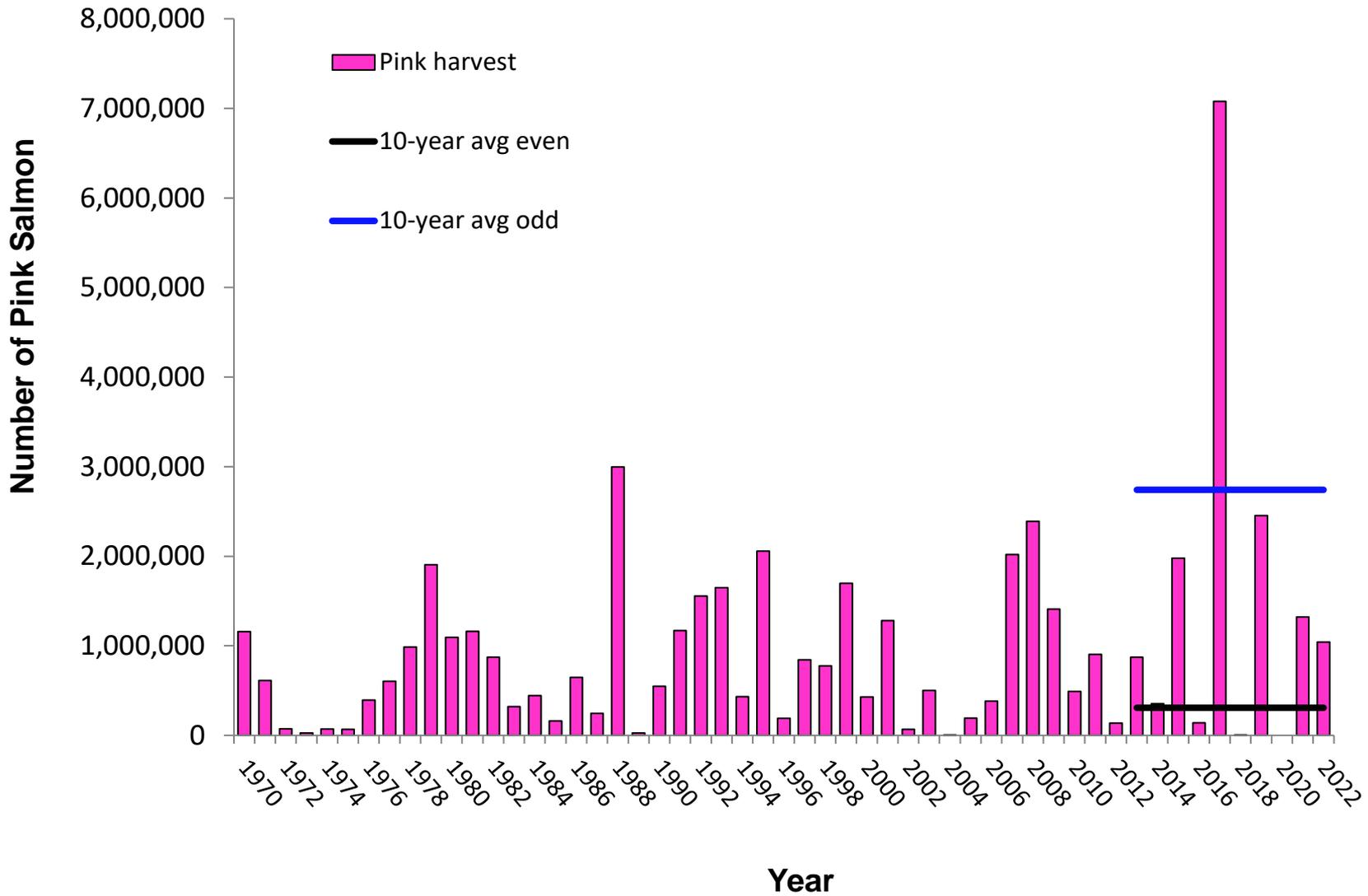
Chignik-bound by Regulation Sockeye Salmon Harvest in the CMA, Cape Igvak, and SEDM, 2003–2022.

Year	Chignik		Cape Igvak		SEDM		
	Catch	Percent	Catch	Percent	Catch	Percent	Total
2003	855,179	81.7	121,887	11.6	70,044	6.7	1,047,110
2004	681,120	75.9	160,665	17.9	55,123	6.1	896,908
2005	1,098,718	70.8	274,328	17.7	177,906	11.5	1,550,952
2006	741,887	87.7	41,834	4.9	62,010	7.3	845,731
2007	601,213	92.0	52,527	8.0	0	0.0	653,740
2008	445,199	100.0	0	0.0	0	0.0	445,199
2009	871,890	83.3	126,968	12.1	48,322	5.5	1,047,180
2010	1,125,135	80.6	185,193	13.3	85,267	7.6	1,395,595
2011	2,277,681	77.8	494,538	16.9	156,637	6.9	2,928,856
2012	1,640,517	78.4	324,895	15.5	126,083	7.7	2,091,495
2013	2,246,339	81.1	354,179	12.8	169,029	7.5	2,769,547
2014	330,302	100.0	0	0.0	0	0.0	330,302
2015	1,014,550	90.7	5,936	0.5	98,473	9.7	1,118,959
2016	1,167,326	74.8	298,470	19.1	94,790	8.1	1,560,586
2017	679,435	80.8	118,101	14.0	43,730	6.4	841,266
2018	128	100.0	0	0.0	0	0.0	128
2019	185,567	100.0	0	0.0	0	0.0	185,567
2020	0	0	0	0.0	0	0.0	0
2021	151	100.0	0	0.0	0	0.0	151
2022	197,068	100.0	0	0.0	0	0.0	197,068

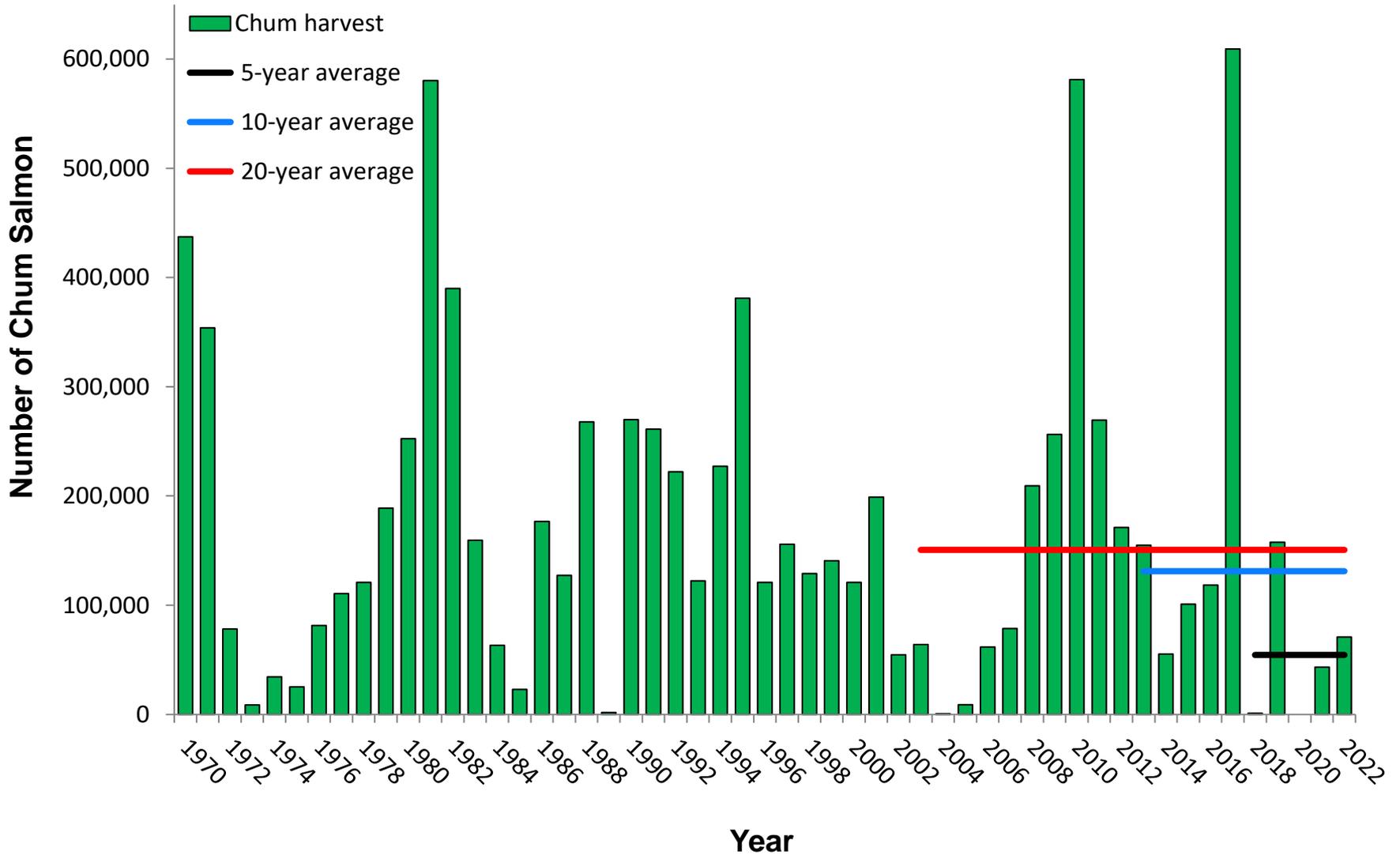
CMA Coho Salmon Harvest



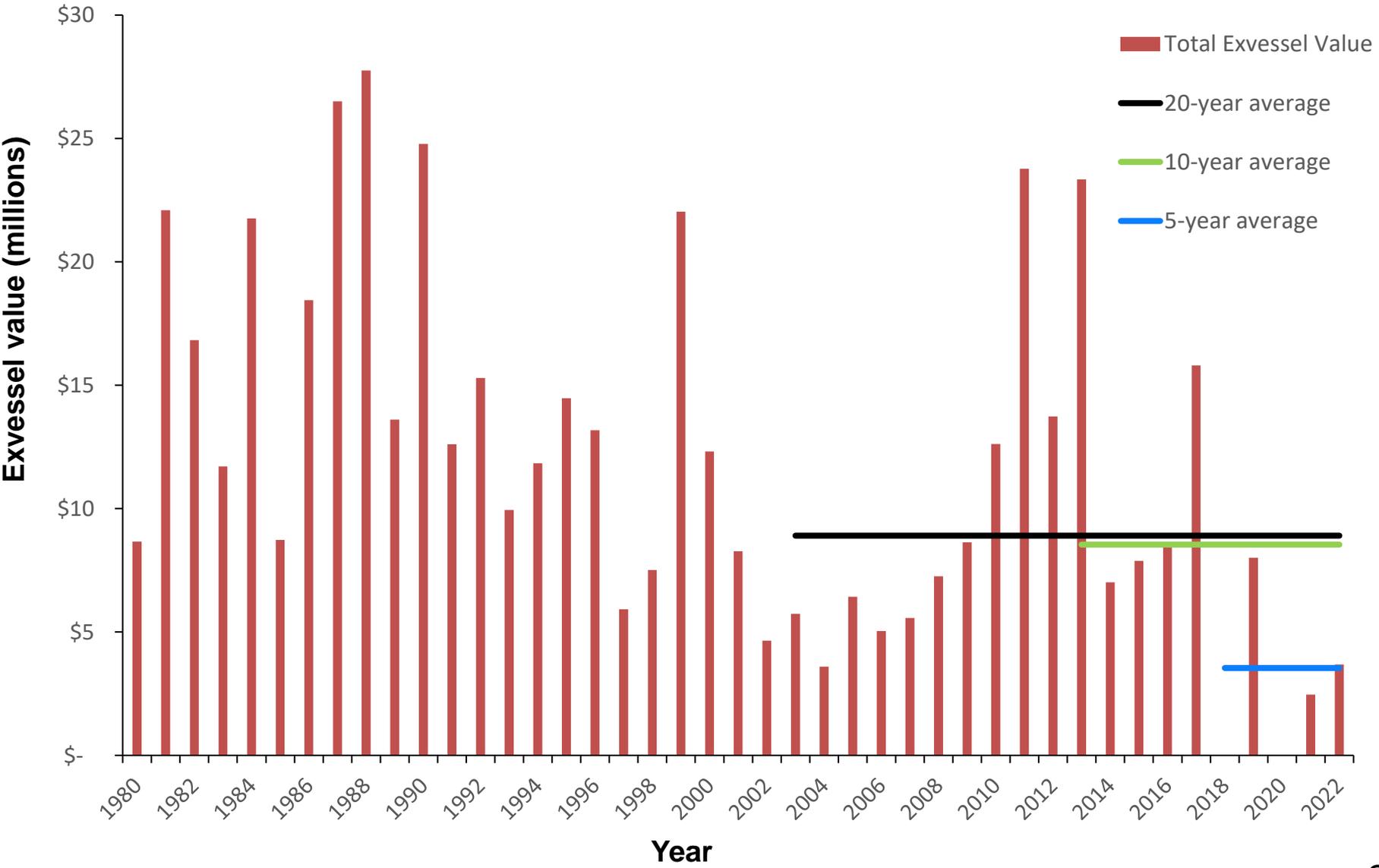
CMA Pink Salmon Harvest



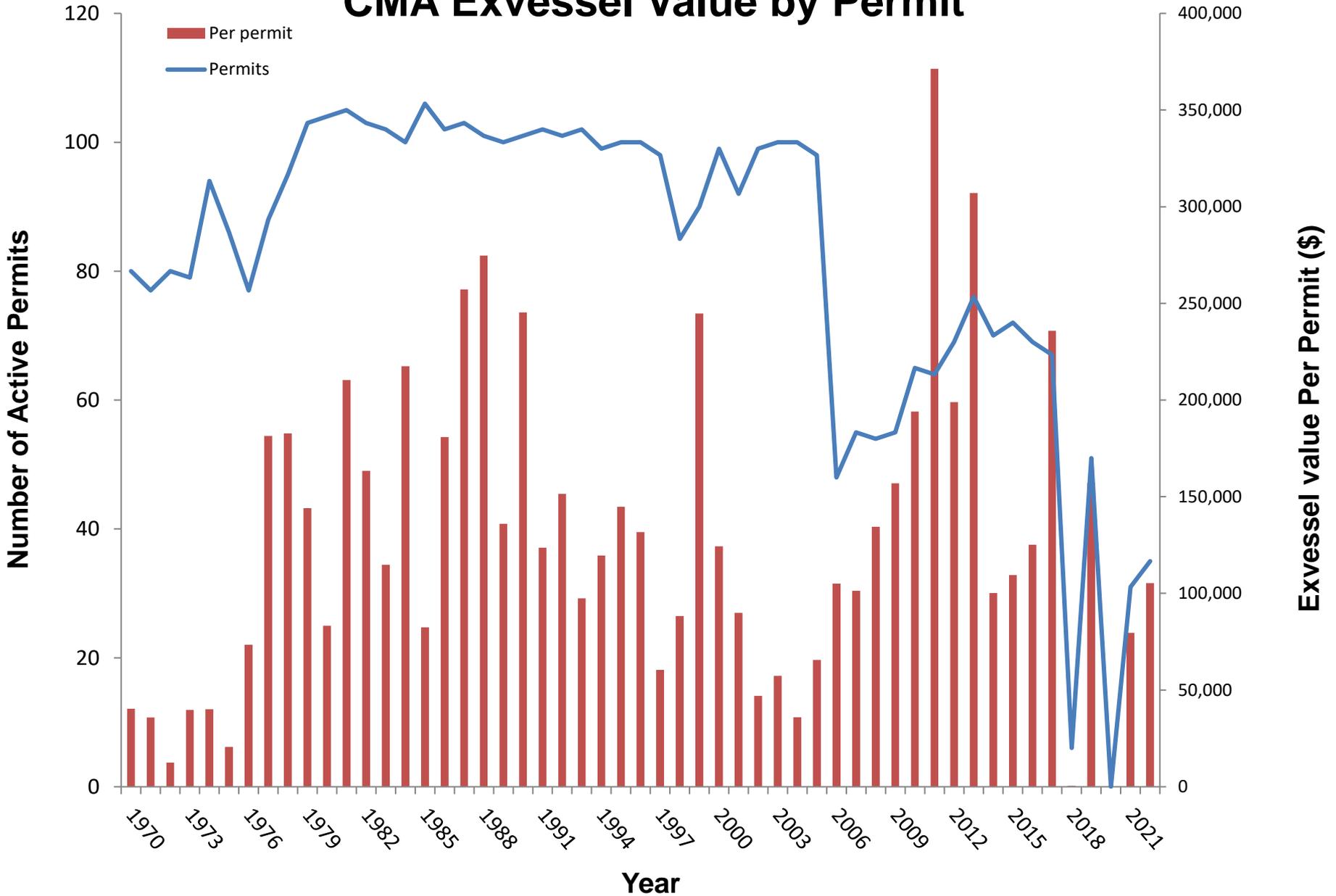
CMA Chum Salmon Harvest



CMA Exvessel Value



CMA Exvessel Value by Permit



CMA 2019–2022 Season Summary

Year	Number of Permits	Number of Salmon Harvested					Exvessel Value
		King	Sockeye	Coho	Pink	Chum	
2019	51	4,312	638,784	248,282	2,452,838	157,517	\$8,010,000
2020	-	-	-	-	-	-	-
2021	31	1,422	118,839	84,453	1,321,454	43,187	\$2,469,000
2022	35	3,630	334,704	40,099	1,043,282	70,886	\$3,685,000

2022-23 Chignik Salmon BOF Proposals

- **Proposal 105:** Amend the *Chignik Area Salmon Management Plan* to reflect changes to Chignik River sockeye salmon escapement goals
- **Proposal 106:** Increase inriver escapement of sockeye salmon prior to opening a commercial fishery by emergency order
- **Proposal 107:** Allow more fishing opportunity regardless of sockeye salmon escapement
- **Proposals 108:** Implement commercial salmon fishing period in June
- **Proposal 109:** Allow period openings to harvest more salmon in the Central District and repeal the IRRG

2022-23 Chignik Salmon BOF Proposals

- **Proposal 110:** Restrict commercial fishing in Chignik Lagoon until the escapement goal is met
- **Proposal 111:** Increase commercial salmon fishing time and area in the Eastern District
- **Proposal 112:** Add a harvest cap in the Eastern District to reduce fishing time
- **Proposal 113:** Add scheduled fishing periods post June in the Western and Perryville Districts
- **Proposal 114:** Add scheduled fishing periods post June in the Eastern District

2022-23 Chignik Salmon BOF Proposals

- **Proposal 115 and 116:** Manage the Western and Perryville Districts based on salmon stocks in portions of Area M
- **Proposal 117:** Add new sections and subsections within the Eastern District
- **Proposal 118:** Alter section and subsections of the Western and Perryville Districts and change which portions of the Western and Perryville Districts are managed off sockeye salmon after July
- **Proposal 119:** Introduce a troll fishery to the CMA

Changes to Chignik Management Plan

Proposal 105:

Amend the *Chignik Area Salmon Management Plan* to reflect changes to Chignik River sockeye salmon escapement goals

Little overall effect on management plan from moving to one run system

General Language replacement

Chignik Lake or Black Lake changed to *Chignik River system*

All Districts

Removal of 5 AAC 15.357. (c) (2), (b) (2), and (d) (1). These describes opening and closing as necessary during the transition period

Fishing periods still dependent on sockeye salmon escapement through this time period

Eastern District Harvest Strategy



June: ~~Early-run~~ sockeye salmon escapement, concurrent with Chignik Bay and Central Districts

~~**Transition period:** About June 26—July 8. Early- and late-run sockeye salmon escapement~~

Post transition to July 31: ~~Late-run~~ sockeye salmon escapement, evaluation of local pink and chum salmon.

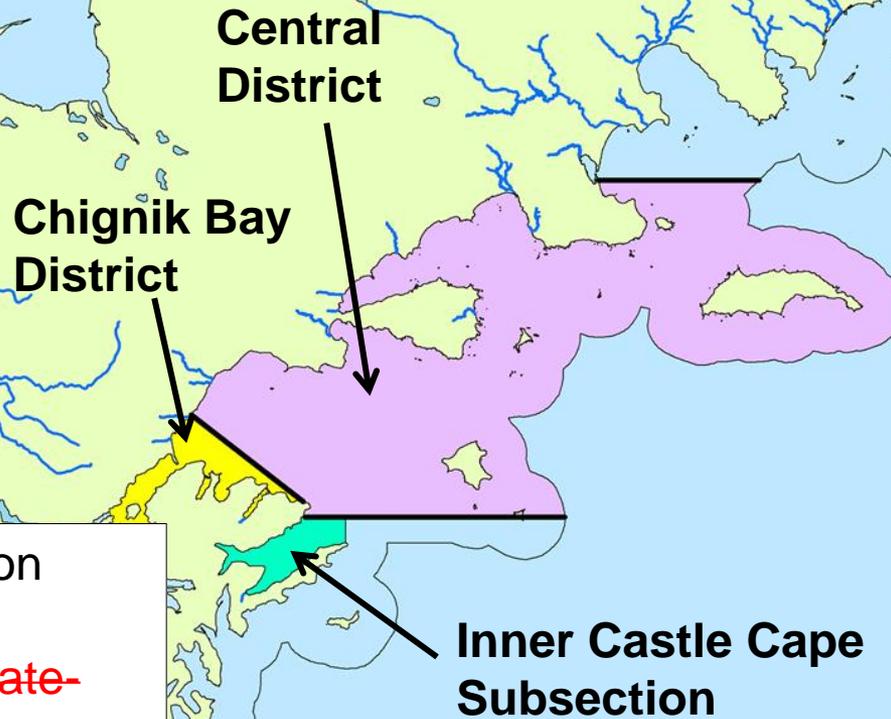
Post July 31: ~~Late-run~~ sockeye salmon escapement, evaluation of local pink, chum, and coho salmon runs

June: Sockeye salmon escapement, concurrent with Chignik Bay and Central Districts

July 1—July 31: Sockeye salmon escapement, evaluation of local pink and chum salmon runs

Post July 31: Sockeye salmon escapement, evaluation of local pink, chum, and coho salmon runs

Chignik Bay and Central Districts, Inner Castle Cape Subsection Harvest Strategy



June: ~~Early-run~~ sockeye salmon escapement
~~Transition period: Early and late-run sockeye escapement~~
Post transition – September 14:
~~Late-run~~ sockeye salmon escapement
Post September 14: 48 hours per week limit

June 1–September 14: Sockeye salmon escapement
Post September 14: 48 hours per week limit

Western and Perryville Districts Harvest Strategy

June 1 – July 5: ~~Early-run~~ sockeye salmon escapement

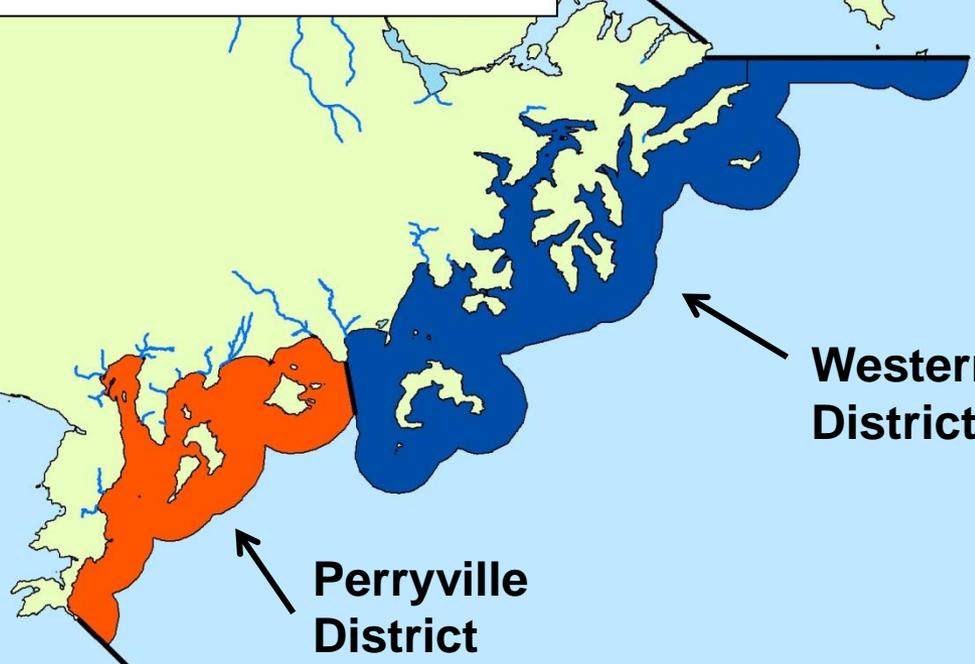
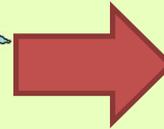
July 6 – July 31: Pink, chum, and ~~late-run~~ sockeye salmon escapement

Post July 31: Coho, pink, chum, or ~~late-run~~ sockeye salmon escapement

June 1 – July 5: Sockeye salmon escapement

July 6 – July 31: Pink, chum, and sockeye salmon escapement

Post July 31: Coho, pink, chum, or sockeye salmon escapement



Western District

Perryville District

Chignik Management Area Salmon Fishery

Chignik River System Sockeye Salmon Escapement Goal

BEG: 450,000–800,000

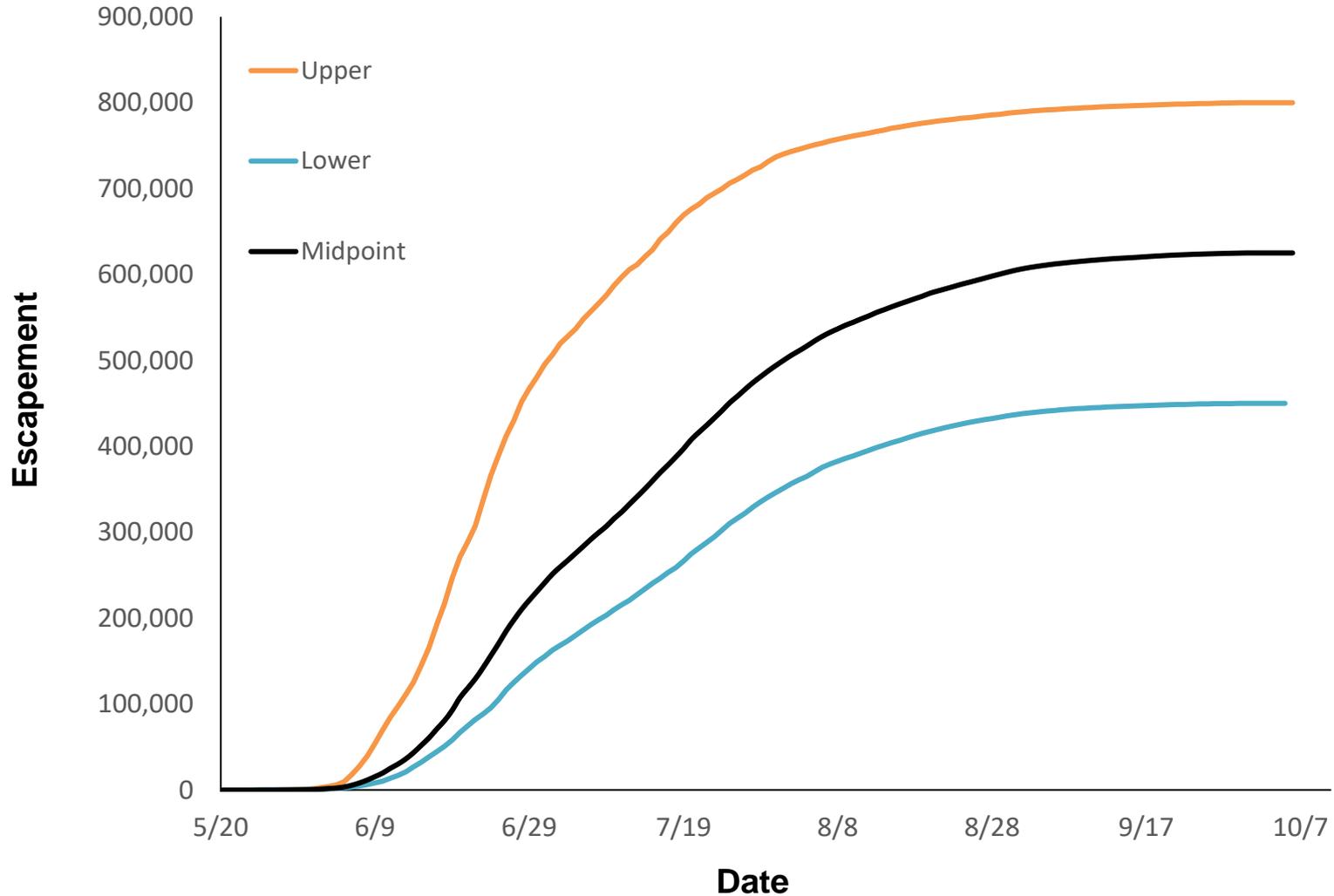
Inriver Run Goal (IRRG)

- 20,000 sockeye salmon in addition to escapement objectives to provide for late-season subsistence needs
- 10,000 of the IRRG sockeye salmon in August
- 10,000 of the IRRG sockeye salmon in September

Chignik Sockeye salmon BEG + IRRG = 470,000–800,000

Chignik Management Area Salmon Fishery

Run timing for single run goal





Questions?

