

Southeast Alaska Seine Sampling



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Alaska Department of Fish and Game

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An Action Plan in Response to Coded Wire Tag (CWT) Expert Panel Recommendations.

**A Report of the Pacific Salmon
Commission CWT Workgroup.**

PSC Tech. Rep. No. 25, March 2008

Problem with Alaska Seine Sampling Identified by Work Group

Chinook

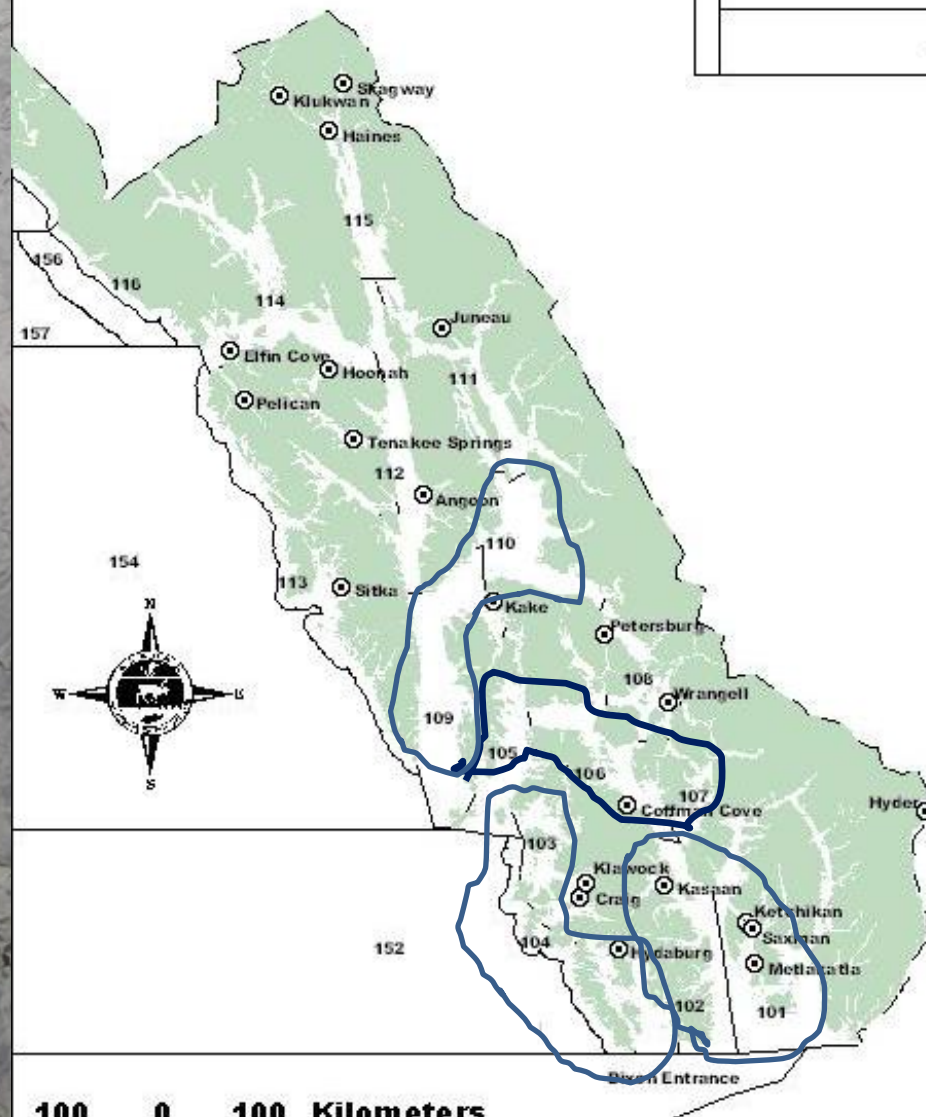
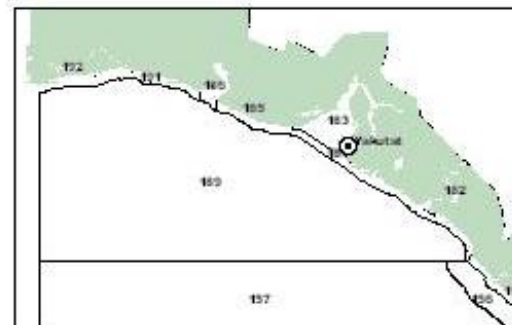
FisheryType	Sample rate > 20%	Sample rate < 20%	No Sample	Sample rate > 20%	Sample rate < 20%	No Sample	Sample rate > 20%	Sample rate < 20%	No Sample
Traditional Troll	75	7	1	377,962	5,751	0	1,081,731	32,016	436
Experimental Area Troll	709	69	157	81,075	2,798	0	151,382	22,409	3,639
Traditional Purse Seine	338	115	191	7,603	3,335	0	7,809	53,958	4,894
Traditional Drift Gillnet	168	72	70	6,683	1,866	0	13,820	17,215	2,491
Traditional Set Net	5	3	98	433	66	0	1,622	554	12,001
Sport	195	290	14	32,899	34,197	0	105,519	247,312	9,044
Terminal Purse Seine	46	31	80	3,929	3,932	0	7,894	42,422	14,145
Terminal Area Drift Gillnet	6	5	148	500	232	0	992	2,116	30,294
Terminal Troll	15	18	61	1,830	1,229	0	4,923	11,709	9,905
MIC Drift Gillnet	26	13	7	2,430	378	0	6,777	2,672	41
MIC Purse Seine	1	9	29	7	86	0	7	2,728	1,148

Coho

	1584	632	856	515,351	53,870	0	1,382,476	435,111	88,038
Traditional Troll	46	1	2	2,360,711	15,163	0	7,303,770	97,303	66
Experimental Area Troll	97	18	82	3,902	62	0	6,955	800	3,665
Traditional Purse Seine	153	227	111	162,180	110,664	0	506,205	1,291,533	113,461
Traditional Drift Gillnet	236	116	31	315,744	66,658	0	962,934	563,611	16,941
Traditional Set Net		5	168		5,160	0		89,847	758,495
Sport	167	76	17	166,389	50,205	0	520,044	285,396	49,795
Terminal Purse Seine	24	23	98	1,711	3,591	0	3,819	65,190	51,167
Terminal Area Drift Gillnet	7	5	206	1,675	1,262	0	6,410	19,427	79,357
Terminal Troll	5	1	45	2,079	110	0	3,620	648	7,011
MIC Drift Gillnet	51	38	3	16,254	13,096	0	47,531	113,429	8,254
MIC Purse Seine	6	27	42	751	1,155	0	2,777	19,351	17,814
	792	537	805	3,031,396	267,126	0	9,364,065	2,546,535	1,106,026

ADF&G Fishing Areas by District

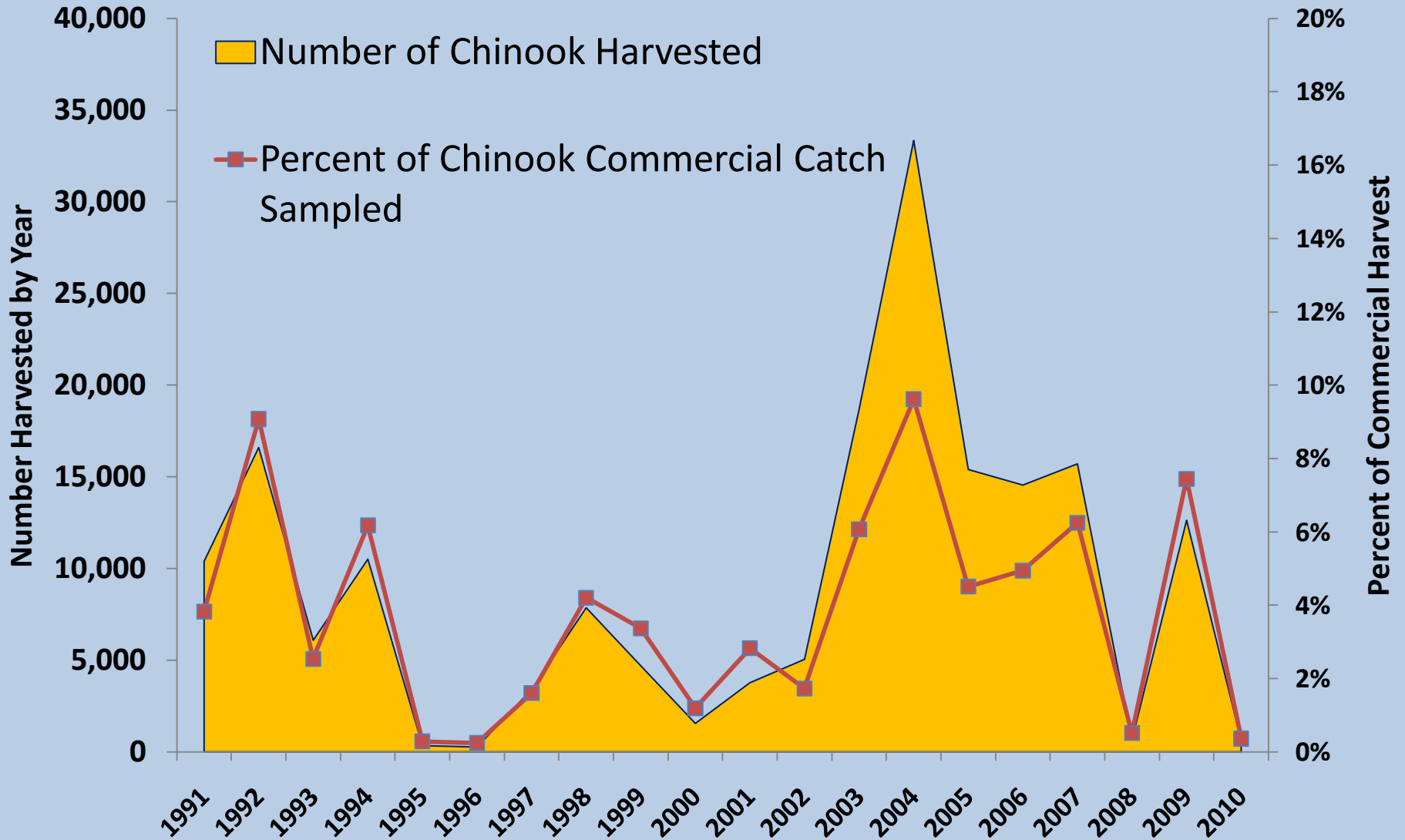
Mercator Projection
NAD27 Datum
Not For Navigational Purposes



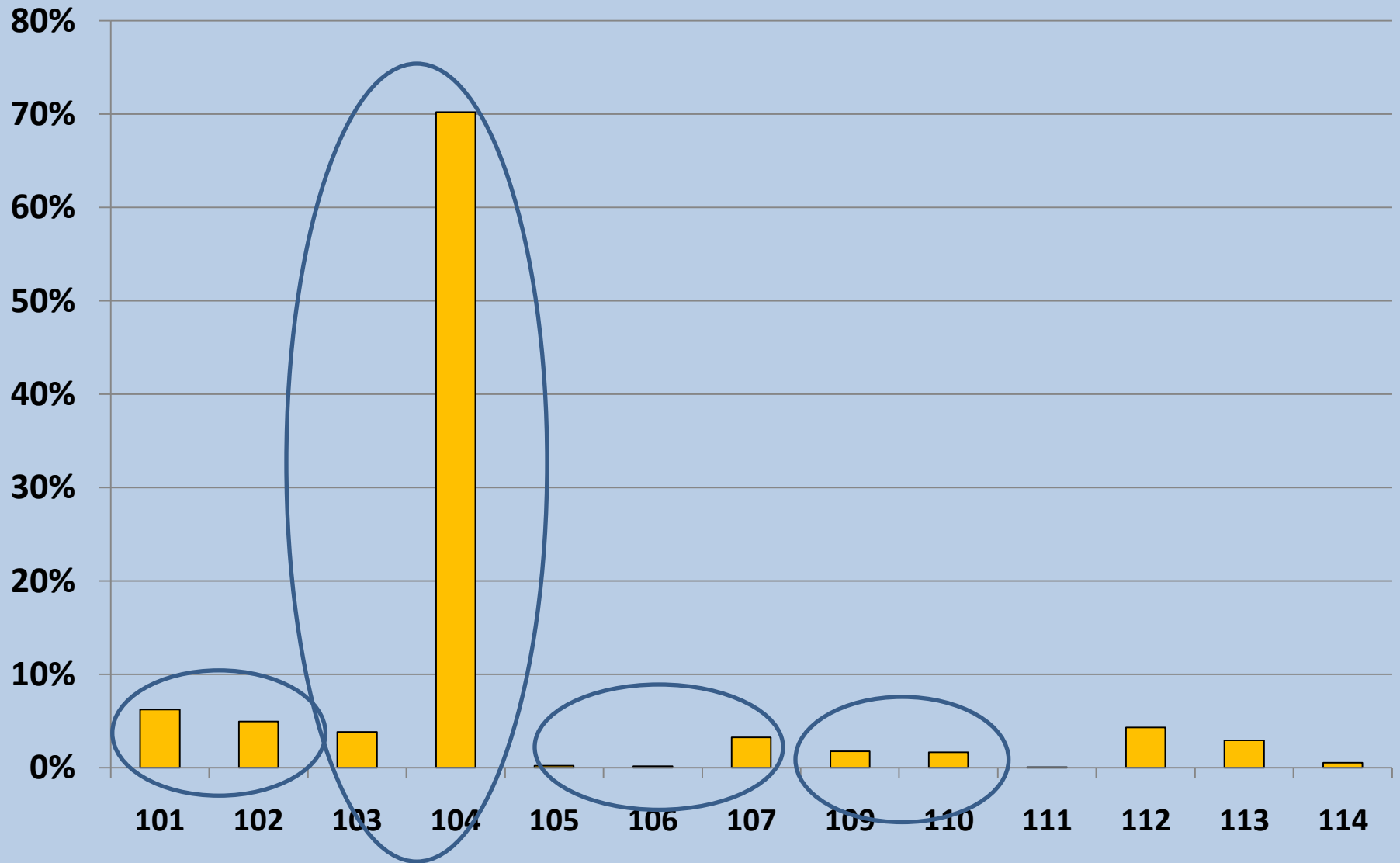
100 0 100 Kilometers



Southeast Alaska Seine Chinook



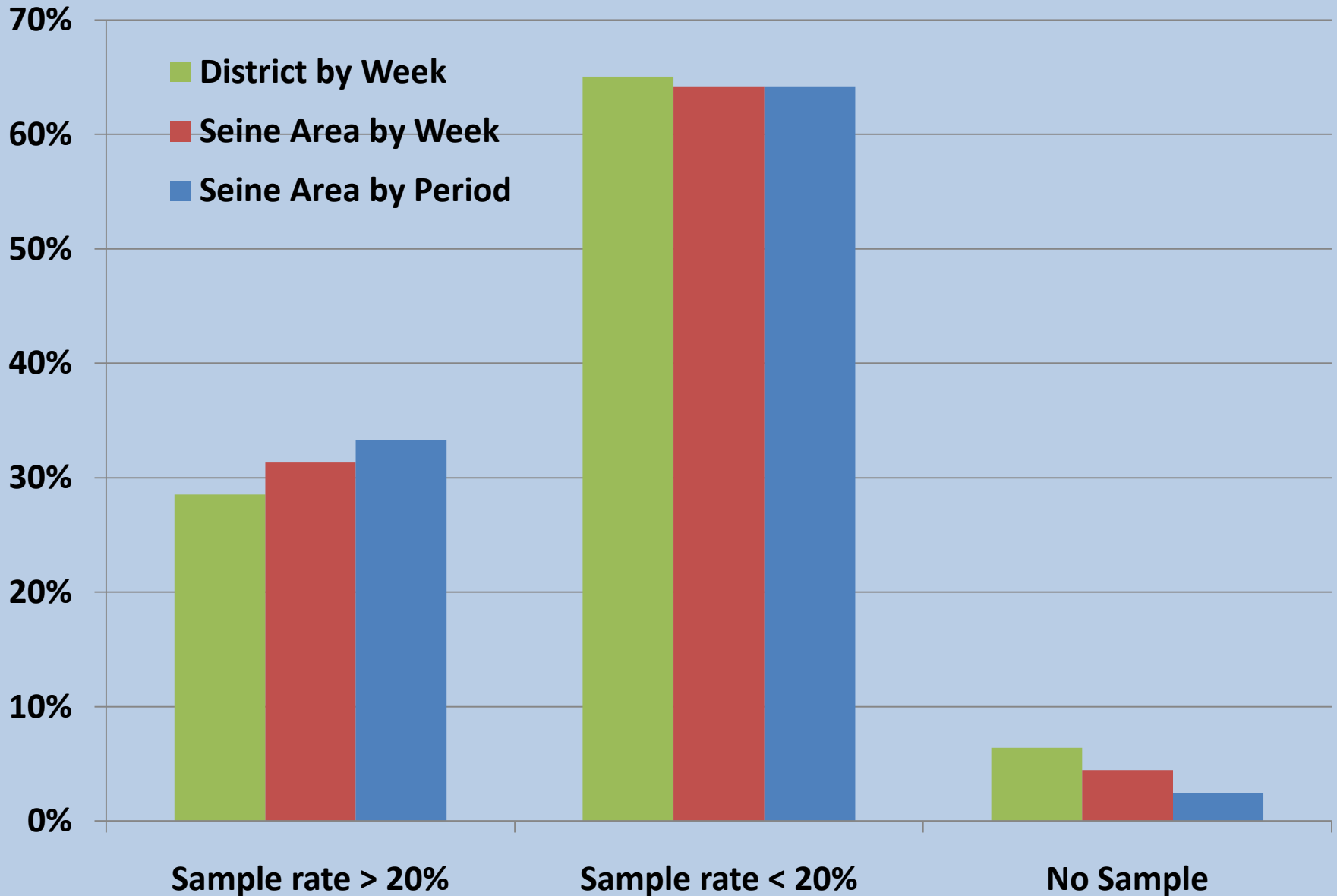
Percent of Seine Catch of Chinook Salmon by District (average for 20 years)



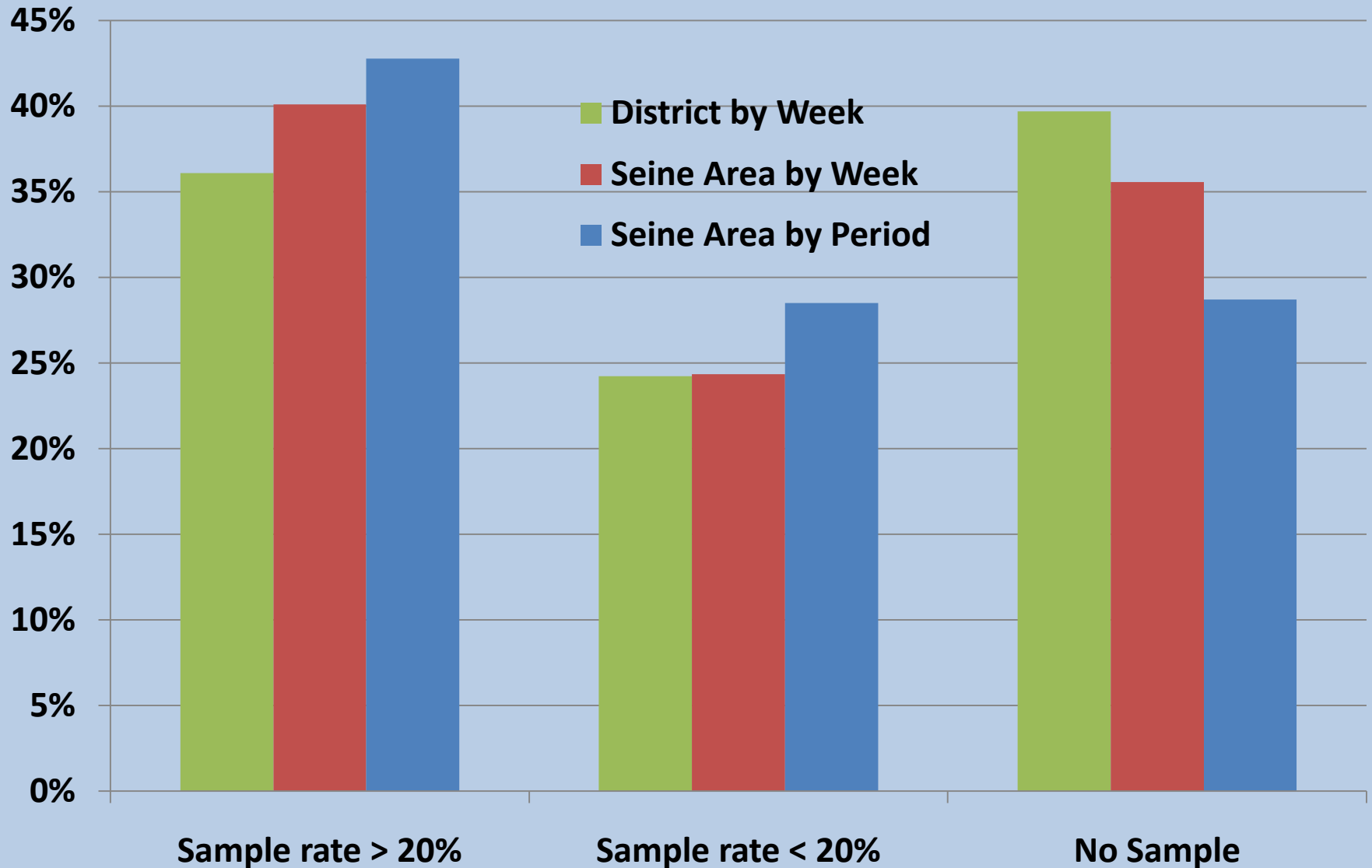
Options for Area Time Strata

- **District and Week**
- **Seine Area and Week**
- **Seine Area and Period**

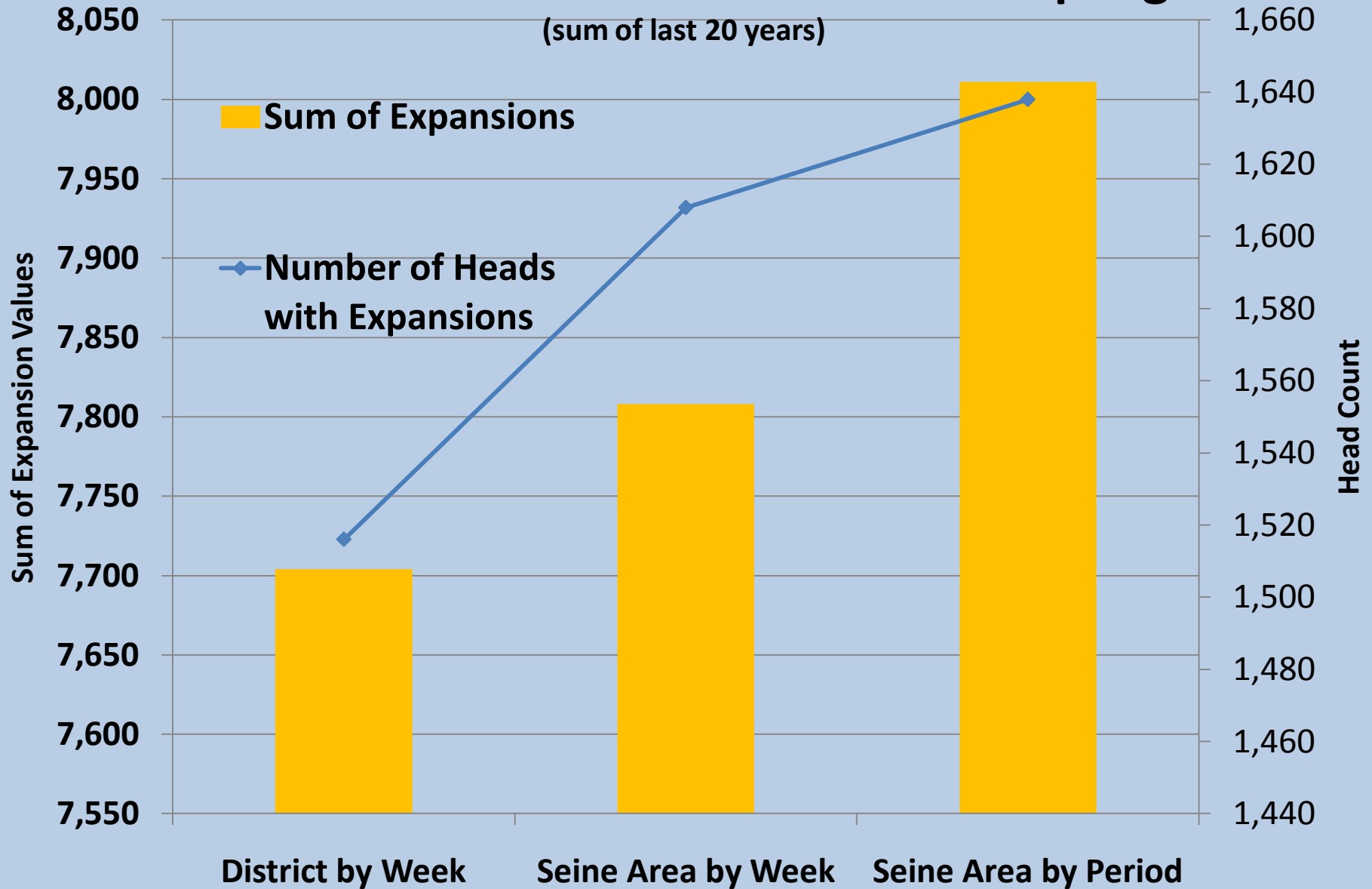
20 Year Average of Percentage of Catch for Chinook



20 Year Average of Percentage of Sample Strata for Chinook Salmon



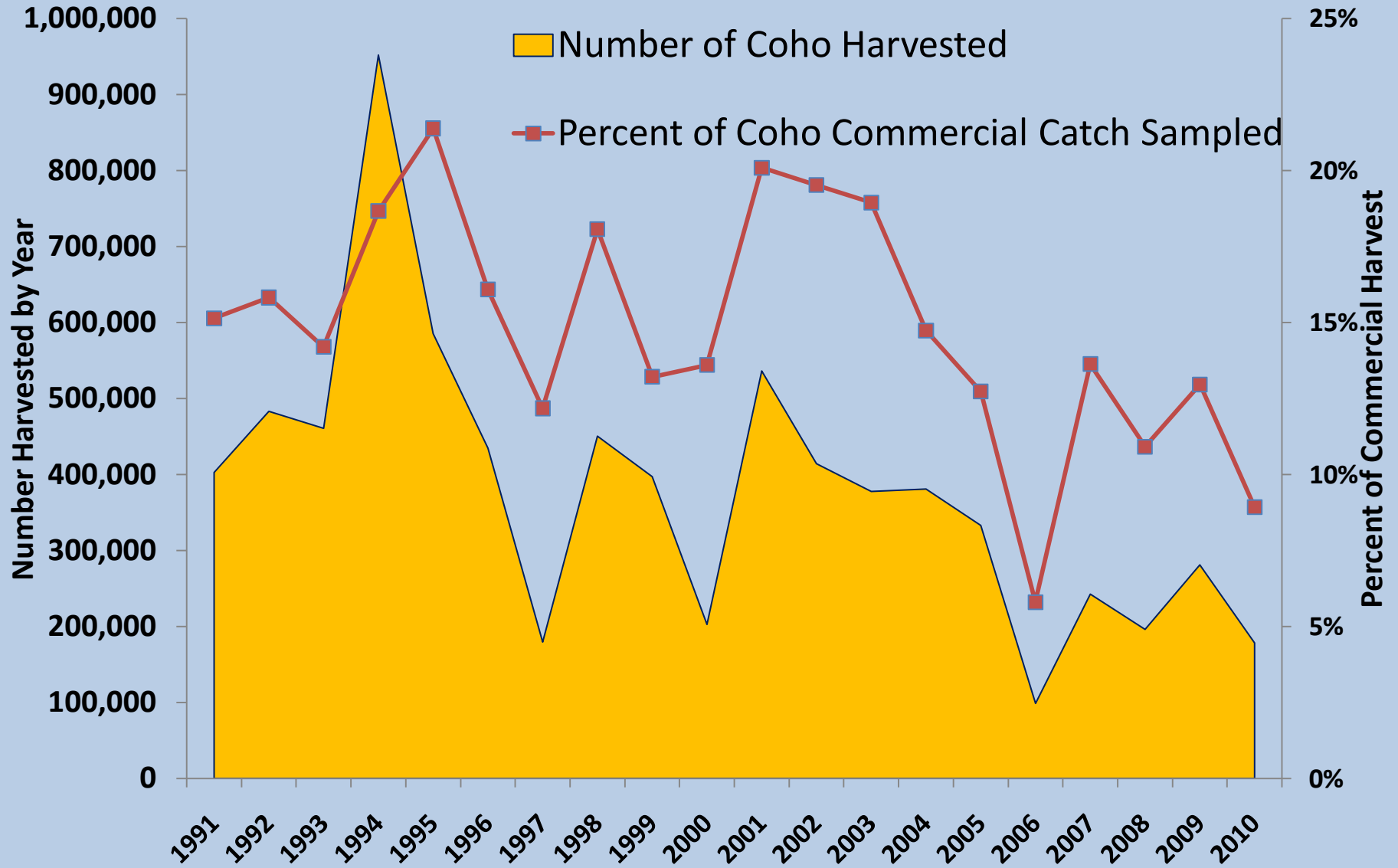
Effects on Chinook Salmon CWT Sampling



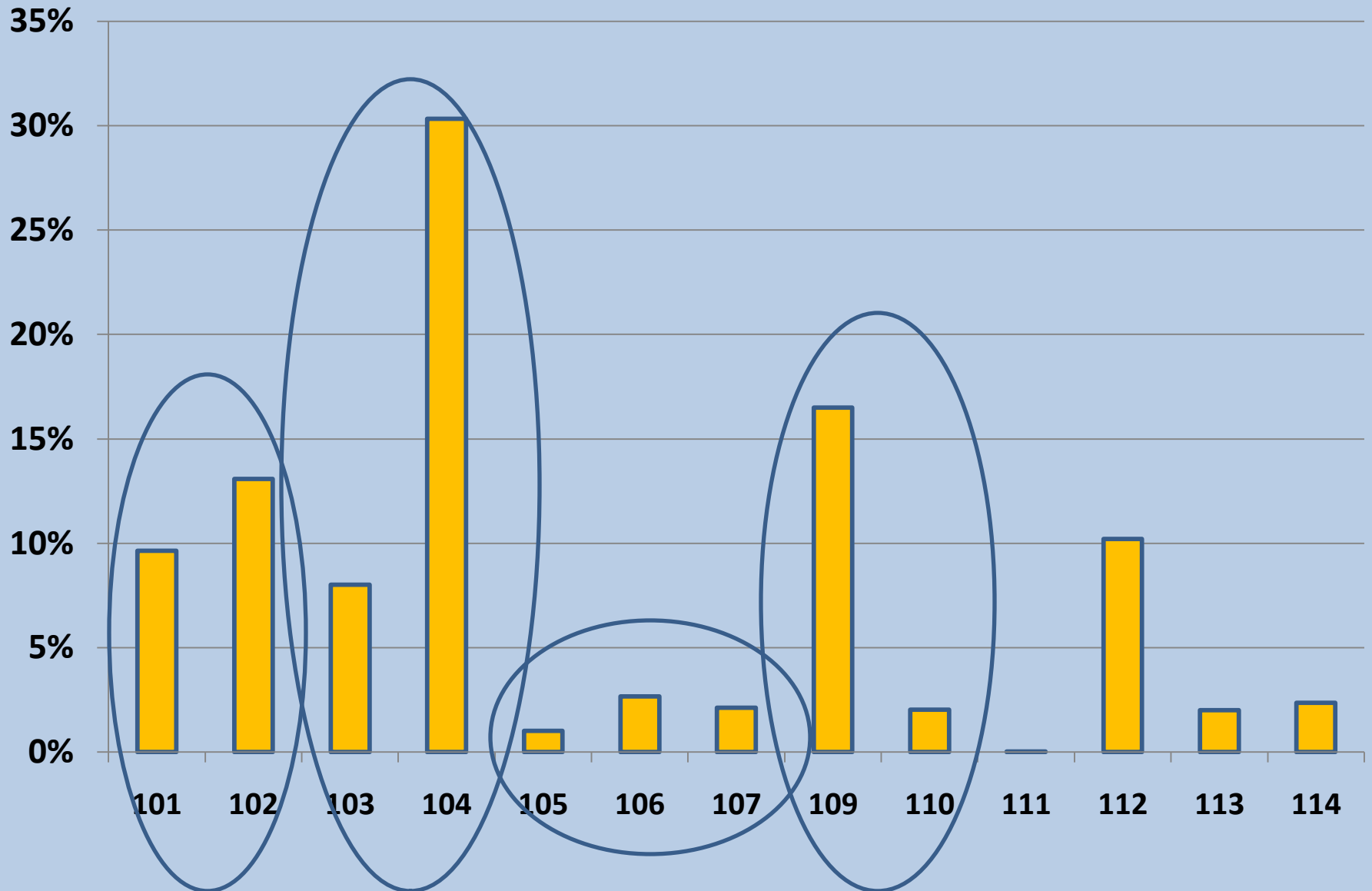
A large pile of Coho Salmon (Oncorhynchus kisutch) is shown in a blue container. The fish are silvery with dark green and blue markings on their sides. Some fish have their mouths open, showing their pinkish-red gills. A yellow buoy is visible in the bottom left corner.

What about Coho Salmon ?

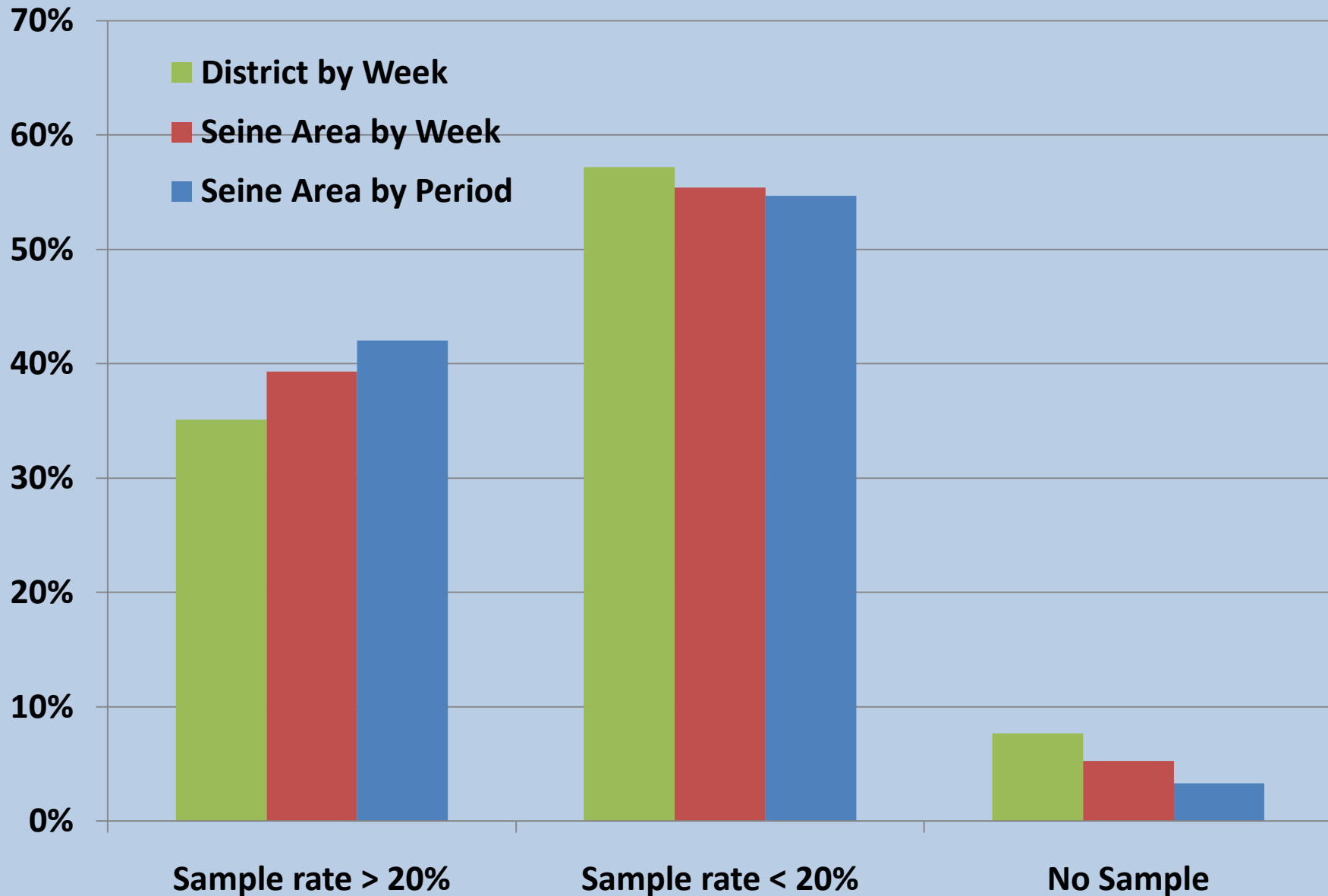
Southeast Alaska Seine Coho



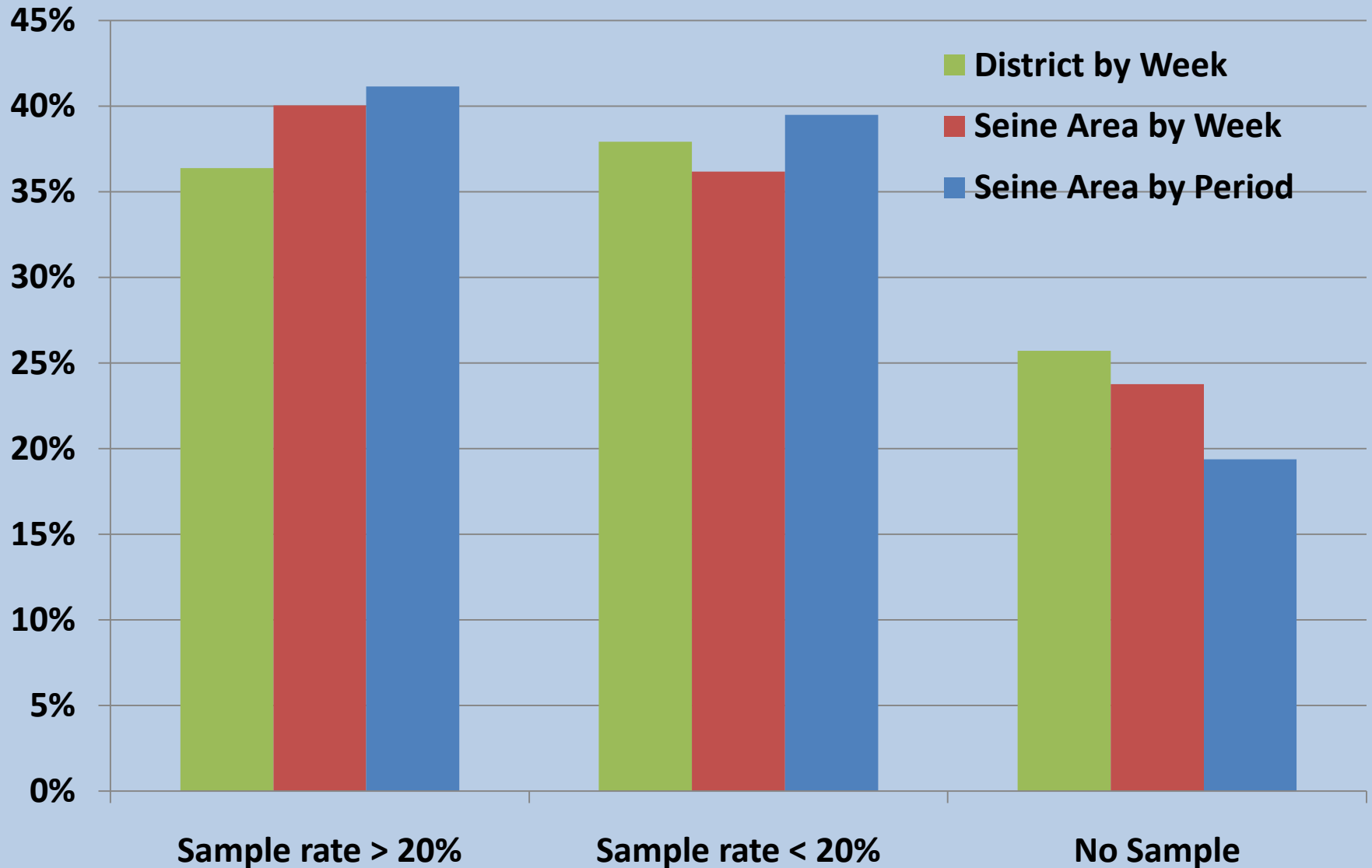
Percent of Seine Catch of Coho Salmon by District (average for 20 years)



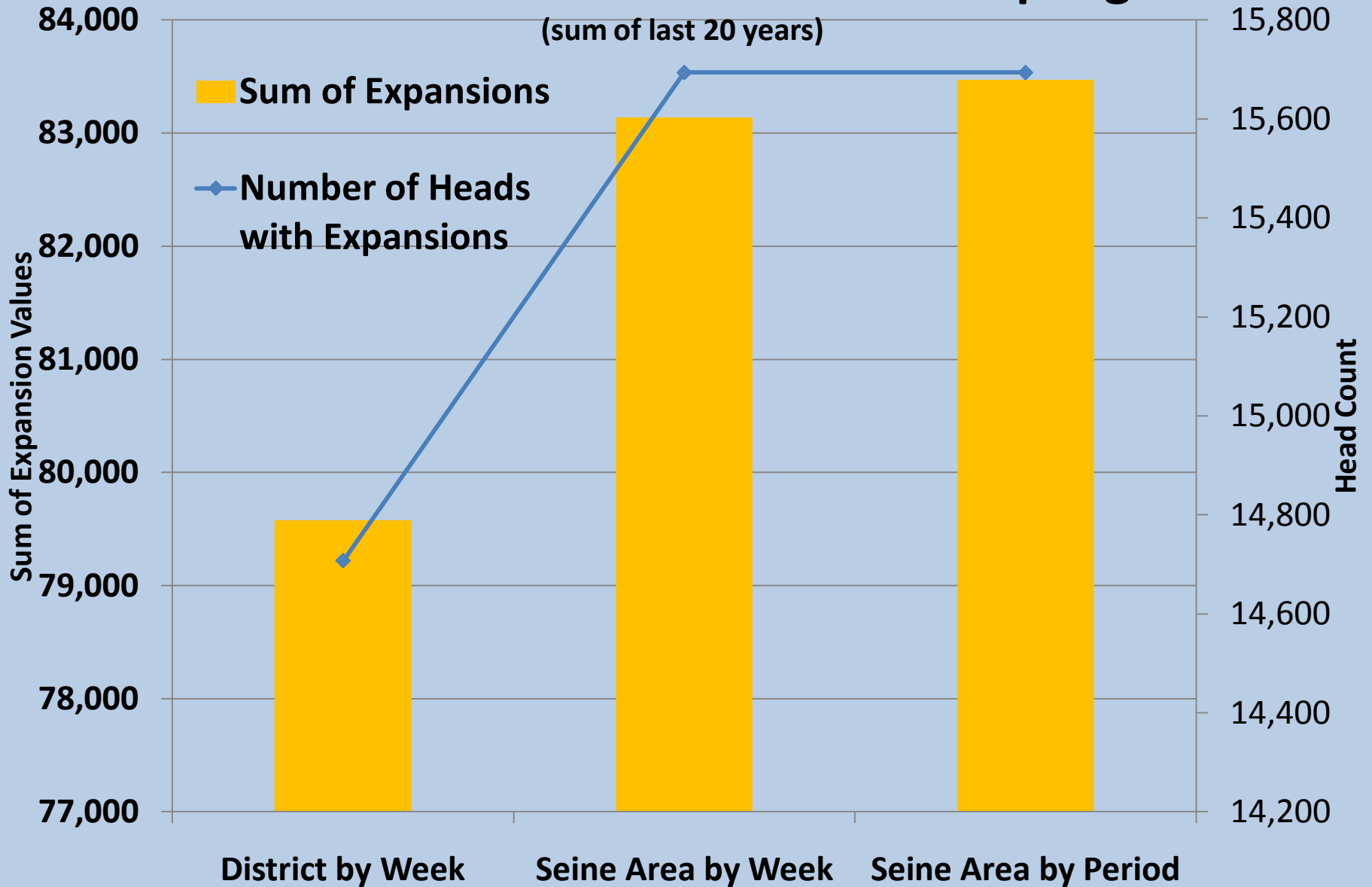
20 Year Average of Percentage of Catch for Coho



20 Year Average of Percentage of Sample Strata for Coho Salmon



Effects on Coho Salmon CWT Sampling



The End

