Year	Total South Penn. June Chum Salmon Harvest [a]	Estimated CWAK Chum Salmon Contribution to the June Harvest [b]		Estimated Harvest Rate on CWAK Chum Salmon Run [c]	Estimated CWAK Chum Salmon Run Size [d]	Estimated Yukon River Summer Chum Salmon Run Size [e]	Estimated Percenrt Contribution of the Yukon Run to the CWAK Run
	(number)	(number)	(%)	(number)	(number)	(number)	(%)
2007	297,539	177,867	59.8%	2.1%	8,401,581	2,156,600	25.7%
2008	410,932	214,464	52.2%	3.6%	6,001,760	2,066,900	34.4%
2009	696,775	420,739	60.4%	6.9%	6,123,152	1,703,200	27.8%
2021	1,168,601			#VALUE!	**531,022**	155,630	**29.3%**
2022	544,097	96,116	17.7%	5.5%	1,742,359	478,130	27.4%
avg 2007-09	468,415	271,023	57.5%	4.2%	6,842,164	1,975,567	29.3%

Note: Estimates for 2021 and 2022 are **bolded and underlined.**

put in an estimated contribution to the June fishery and see the results			
	my estimate of total run was:	1,631,417	

[a] Data taken from Fox et al. 2022.

[b] Data for years 2007-2009 taken from Munro et al. 2012

data for 2022 taken from Dannet al. 2022,

2021 data estimated from estimated CWAK total run size based on the average percentage contribution of the Yukon River Summer Chum salmon run to the CWAK total run for years, 2007-2009.

[c] Data for years 2007-2009 taken from Munro et al. 20122022: estimated harvest rate for the 96,116 chum salmon harvested in the June fishery

Data for 2022 taken from Munro 2023

[d] Data from years 2007-2009 taken from Munro et al. 2012,

2021 estimated based on Yukon Summer chum salmon run to the CWAK for years

[e] Fred West, ADF&G Commercial Fisheries Division, Anchorage. Personal Communication.