

Proposal 109 cost benefit analysis for sockeye and chum

Average (2008-2012) June Fishery

	Sockeye	Chum
7-Jun	7,268	4,482
8-Jun	18,171	9,055
12-Jun	41,298	20,303
Total Loss to June Fishery	66,737	33,840

The actual cost in sockeye to the June fishery is four times higher than Vince spoke of.

Calculating Benefit to Norton Sound

Chums Passed	33840
Average Chum catch in June	439009

Percent of the June Chum catch saved
(Chum Passed divided by Average Chum catch in June) **0.077**

WASSIP CWAK Harvest Rates

2006	2.1%
2007	3.6%
2008	6.9%
June fishery average CWAK harvest rate	4.2%

Therefore $(0.077 \times 0.042) = 0.0032$ or 0.32%

June fishery harvest rate for CWAK June 7, 8, 12

Range in the Norton Sound Run Size
250,000 to 500,000

250,000 X 0.32% = 808 Chums
500,000 X 0.32% = 1617 Chums

50% to Shaktoolik Unalakleet
10 % to each of five Northern Norton Sound systems

Low Estimate	High Estimate
404	808
81	162

Is this significant?

SUBMITTED BY CAMF
SOURCE ADFG