

Effects of time reduction on Shumigan Island June and Post-June sockeye harvest. Original data were obtained from SP 12-24. Methods to estimate the derived values were developed by Denby Lloyd. [Chris Habicht worked with me to ensure that the original data matched SP 12-24 \(WASSIP Special Report\).](#)

Fishery: Shumigan Islands June Sockeye salmon fishery

Year	Shumigan June Harvest	Proportion of time remaining after time reduction to the Shumigan Island June fishery	Sockeye harvest lost due to reduction	Sockeye harvest remaining after time reduction	Chignik sockeye run size	Shumigan Island June harvest rate on Chignik sockeye stocks (%)	Resulting Shumigan Island June harvest rate on Chignik sockeye stocks	"Gain" of sockeye to Chignik run	CMA harvest rate on Chignik Stocks	"Gain" of sockeye to CMA harvest
2006	441,238	0.5909	180,506	260,732	2,300,159	3.3	2.0	31,052	37.8	11,738
2007	852,198	0.5909	348,626	503,572	1,644,480	1.4	0.8	9,418	45.2	4,257
2008	649,005	0.5909	265,502	383,503	1,562,232	1.8	1.1	11,504	40.1	4,613

(208hr/352hr)

Fishery: Shumigan Islands Post-June Sockeye salmon fishery

Year	Shumigan Post-June Harvest	Proportion of time remaining after time reduction to the Shumigan Island Post-June fishery	Sockeye harvest lost due to reduction	Sockeye harvest remaining after time reduction	Chignik Sockeye run size	Shumigan Island Post-June harvest rate on Chignik sockeye stocks (%)	Resulting Shumigan Island Post-June harvest rate of Chignik sockeye stocks	"Gain" of sockeye to Chignik run	CMA harvest rate on Chgink stocks	"Gain" of sockeye to CMA harvest
2006	366,434	0.5060	181,010	185,424	2,300,159	3.7	1.9	42,040	37.8	15,891
2007	399,509	0.5060	197,348	202,161	1,644,480	2.1	1.1	17,059	45.2	7,711
2008	234,396	0.5060	115,786	118,610	1,562,232	4.0	2.0	30,868	40.1	12,378

(208hr/352hr)

Area M loss if Proposal 282 was in effect in 2021

Data from ADF&G harvest report (June & July Shumigan Islands)

2021	Species	Loss	Proposal 282 Effect
June	Sockeye	40%	371,999
Post June	Sockeye	50%	270,847
June	Pink	40%	480,823
Post June	Pink	50%	539,246
June	Chum	40%	154,016
Post June	Chum	50%	95,724
Total			1,912,655

Area M loss if Proposal 282 was in effect in 2021

Catch x Average pounds x price - loss percentage = dollar value

2021	Species	Loss	Proposal 282 Effect
June	Sockeye	40%	\$2,753,000
Post June	Sockeye	50%	\$2,004,000
June	Pink	40%	\$539,000
Post June	Pink	50%	\$604,000
June	Chum	40%	\$347,000
Post June	Chum	50%	\$254,000
Total			\$6,501,000