984,128 984,128

SUMMARY OF SSC, AP AND NPFMC ACTIVITIES - **EEZ ONLY**

			SAFE REPORT, TABLE 4			SSC			AP	NMFS MOTION		
Stock	Tier	MSST	Preseason OFL	ABC Buffer	ABC TAC	Preseason OFL	ABC Buffer	ABC TAC	Action	Preseason OFL	TAC Buffer	ABC TAC
Kenai Late-Run Sockeye	1	3,030,000	1,364,000	0.478	652,500	901,932	0.478	431,123		431,123		
Kasilof Sockeye	1	550,000	623,000	0.694	432,600	541,084	0.694	375,512	885,715	375,512	0.50	492,064
Aggregate Sockeye	3	163,000	880,000	0.200	177,500	887,464	0.200	177,493		177,493		
Aggregate Chinook	3	44,200	2,697	0.167	450	2,697	0.100	270	243	270	0.90	243
Aggregate Coho	3	38,800	357,688	0.100	35,800	357,688	0.100	35,769	32,192	35,769	0.70	25,038
Aggregage Chum	3	N/A	441,727	0.500	220,900	441,727	0.250	110,432	99,389	110,432	0.90	99,389
Aggregate Pink	3	N/A	270,433	0.900	243,400	270,435	0.500	135,218	121,696	135,218	0.90	121,696
Totals		3,826,000	3,939,545		1,763,150	3,403,027		1,265,816	1,139,235	1,265,816		738,430

13/12 5/6

Yellow - Harvest numbers in the EEZ

MSST - Minimum Stock size threshold - is defined for stocks with escapement goals as one half of the sum of the stock's spawning escapement goal summed across a generation. MSST is compared with cumulative escapement summed across the most recent generation to assess whether a stock has been overfished (postseason estimates) or is approaching an overfished condition (preseason estimates.) See "Overfished" definition.

Scientific buffers: In reducing OFLPRE for the purpose of setting ABC, the proposed buffer acknowledges the uncertainty in preseason values for status determination criteria. In the case of Tier 1 stocks, the buffer takes into consideration the retrospective error in preseason ABC and potential yield (based on preseason run size and State harvests) designations relative to realized postseason values. Specifically, the median symmetric accuracy (MSA) (Morley et al., 20188) is calculated for preseason estimates of OFL and potential yield relative to postseason values over a ten year window. Hereafter, the buffer refers to the multiplier, b, used to define ABC from OFL, rather than the difference between ABC and the OFL, 1-b. The MSA is interpretable as a measure of percent error in preseason estimates relative to postseason values. A bound of 10% was imposed such that if the calculated MSA indicated use of a buffer below 10%, a 10% buffer would be used instead. Thus, in setting preseason management targets, preseason estimates of OFL and potential yield are reduced by the percentage indicated by the MSA to generate ABC and ACL.

**Buffers can be either a percent reduction or an inverse (1 - 0.00% = inverse value)

Overfished is determined postseason by comparing annual spawning estimates to the established MSST. For stocks where MSST (or proxies) are defined, should a stock's realized spawning escapement(s) summed across a generation fall below the MSST in any year, the stock would be declared overfished. Preseason projections of MSST are used to assess if a stock is approaching an overfished condition. For stocks or stock complexes without escapement goals or reliable estimates of escapement, it is not feasible to evaluate overfished status.

Overfishing is defined for Tiers 1 and 2 stocks as occurring when the final, postseason estimate of the actual fishing mortality rate (FEEZ) exceeds the maximum fishing mortality rate (MFMT), with both FEEZ and MFMT calculated across the most recent generation of the species being assessed (e.g., for sockeye salmon, the most recently completed five fishing seasons). For tier 3 salmon stocks, overfishing is defined as occurring when the sum of the stock's postseason EEZ harvests across a generation exceeds the Tier 3 OFL for that stock, also calculated across a generation. Preseason projections are used to assess whether a stock is approaching a harvest rate (Tiers 1-2) or harvest level (number of fish; Tier 3) for which overfishing may occur.