2014 WILLAPA BAY FALL SALMON FISHERY PLANNING MODEL

Updated for 2014 North of Falcon
PFMC # Coho FRAM # 1408
OPTION: FINAL (K - GILLNET; 9"max, full retention except 9/9-9/30 (6.5 max 56%release UM chinook); SPORT - Naselle R 2013; MA2.1 Closed in MRP thru Sep 15.; North Bay Closed thru 9/30; North River Open Oct. 1)
File name: S:\Reg6\FP\District 17\2014 NOF\WB\2014 WB planning models\[2014 WB Planning Model FRAM#1408 7-11-14 - FINAL.xlsx]WB Planning Model 2014
Includes all fixes as of 6/20/2014

Stocks:	Ocean Esc		
Willapa Hatch	29,621		
Willapa Wild	52,267		
52267	35,779	6,024	10,464
52267	68%	12%	20%

	TOTAL HATCHERY CHINOOK	Hatchery CHINOOK: Forks Creek	Nemah	Naselle	TOTAL NATURAL CHINOOK	Natural CHINOOK: Willapa / North	Nemah	Naselle	TOTAL HATCHERY COHO	TOTAL NATURAL COHO	Natural COHO: Willapa / North	Nemah	Naselle	CHUM Total
RUNSIZE	29,326	13,840	11,337	4,149	3,112	1,609	158	1,345	29,621	52,267	35,779	6,024	10,464	55,378
ESCAPEMENT GOALS	9,925	4,537	4,679	709	4,350	2,172	328	1,853	6,100	13,090	9,316	1,245	2,529	35,400
HARVESTABLE	19,401	9,303	6,658	3,440	-1,238	-563	-170	-508	23,521	39,177	26,463	4,779	7,935	19,978
Net Drop-out 3%									Net Drop-out 2%					
Sport drop off rate 5%														

Coho FRAM # 1408 FINAL run, accompanies CR103 filed 11 July 2014

FISHERY DESCRIPTION

1 = 12 hour fishery; 1.33= 24 hr fishery | 0.75 = 12 hr fishery; 1 = 24 hour fishery

EXPECTED impacts by Origin NOT by Catch Location

NET FISHERY	PERIOD	MAX # Days	Scheduled # Days	adjust day	Open = 1 Closed = 0: T	U	R	M	N	Chinook MSF: T	U	R	M	N	Total Hatchery	Hatchery: Forks Creek	Nemah	Naselle	Total Natural	Natural: Willapa / North	Nemah	Naselle	Total Hatchery	Total Natural	Natural: Willapa/ North	Nemah	Naselle	Chum MSF	CHUM
					non-local portion prior to 8/16 (42% of total per Kassler 2004)-->										826				92										
	July 22-August 15		3.5	1.3	1.0	1.0			1.0	1.0	1.0	1.0	1.0	1.0	1,140	696	314	131	128	81	4	42	na	na	na	na	na	1.0	
CHINOOK	August 16-20	5	0	0.0		1.0			1.0	1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0
	August 21-25	5	0	0.0		1.0			1.0	1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0
	Aug 26 - Sept 1	7	1	1.0		1.0			1.0	1.0	1.0	1.0	1.0	1.0	1,231	752	339	140	137	87	5	45	0	0	0	0	0	1.0	6
	September 2-8	7	2	1.0		1.0			1.0	1.0	1.0	1.0	1.0	1.0	1,597	976	440	181	178	113	6	59	143	147	73	24	49	1.0	4
COHO	September 9-15	7	4	1.0		1.0			1.0	0.56	0.56	0.56	0.56	0.56	1,774	1,084	488	201	114	72	4	37	1,366	2,269	1,844	155	270	1.0	0
	September 16-22	7	5	1.0	1.0	0.80	1.0	1.0	1.0	0.56	0.56	0.56	0.56	0.56	786	365	309	113	48	24	2	21	2,259	3,172	1,951	368	852	1.0	31
	Sept 23-30	8	6	1.0	1.0	0.83	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	284	132	111	41	60	31	3	27	2,483	3,528	2,191	403	934	1.0	1,265
	Oct 1- Oct 7	7	6	1.0	1.0	0.83	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	183	85	72	26	19	10	1	8	2,483	3,528	2,191	403	934	1.0	1,265
	October 8-14	7	0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0
CHUM (no directed)	October 15-31	17								1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0
LATE COHO	November 1-10	10	7	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	21	10	8	3	2	1	0	1	1,547	4,274	2,634	470	1,170	1.0	2,401
	November 11-19	9	7	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	14	6	5	2	1	1	0	1	415	573	353	63	157	1.0	73
	November 20-30	11	0	1	1	1	1	1	1	1.0	1.0	1.0	1.0	1.0	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0
	TOTAL SALMON DIRECTED	107	38												7,030	4,107	2,086	837	688	421	26	241	10,696	17,491	11,238	1,887	4,366		5,045
Sturgeon Directed	November 1-19	0	0		0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Sturgeon Directed	November 20-30	0	0		0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	TOTAL SALMON-Sturgeon Directed	0	0												0	0	0	0	0	0	0	0	0	0	0	0	0		0
	TOTAL NET HARVEST / IMPACTS	107	38												7,030	4,107	2,086	837	688	421	26	241	10,696	17,491	11,238	1,887	4,366		5,046
	Marine Sport Fishery					14%	14%	14%							1,891	893	731	268	22	5	2	16	679	1,425	820	138	466	1.0	0
	Freshwater Sport Fishery					10%	10%	10%							5,818	637	4,958	223	26	4	11	11	2,218	2,112	1,305	18	789	1.0	279
	TOTAL SPORT FISHERY HARVEST / IMPACTS														7,710	1,529	5,689	491	49	9	13	27.1	2,897	3,537	2,125	156	1,255		279
	TOTAL TERMINAL AREA HARVEST / IMPACTS														14,740	5,636	7,775	1,328	737	430	39	268	13,593	21,028	13,363	2,043	5,621		5,324
	EXPECTED ESCAPEMENT														14,586	8,204	3,562	2,821	2,375	1,179	119	1,077	16,028	31,239	22,416	3,981	4,843		50,054
														$667,327	50.3%	40.7%	68.6%	32.0%	23.7%	26.7%	24.4%	19.96%		31,239					9.61%
														Management Objectives -->								< 20%		>13,090					<10%

PLEASE NOTE: Permanent rule (WAC 220-40-27) does not include an opener from noon Sept. 21 - noon Sept. 22. This opener is modelled to account for impact but is held aside as a "regulation compliance incentive day." Provided that compliance as accessed during previous days fishery openings exceeds 90%, this day will be implemented by e-rule.