

TABLE 4: SUMMARY OF COHO EXPLOITATION RATES BY FISHERY AGGREGATE

Predicted Exploitation Rates for Total Fishery-Related Mortality

FRAM Run Number: coho1416

Run Description: PFMC 2014 April Final Col Riv updated

NOTE: Landed catch plus all fishery-related mortality - Not AEQ Expl. Rate!!!

04/09/14

1:30 PM

STOCK->	Skagit Wild	Stilly Wild	Snohom Wild	HdCnl Wild	JDF Tribs Wild \2	South Sound Wild	Nooksack Wild	Quillayute FallWild	Hoh Wild	Queets Wild	Grys Hbr Wild
Predicted Spawning Escapement	69,804	22,147	104,765	21,161	11,073	24,913	7,121	n/a	n/a	n/a	n/a
Ocean Escapement *	n/a	n/a	n/a	n/a	n/a	n/a	n/a	17,140	7,508	8,450	96,472
RUN RECONSTRUCTION : \1											
Ocean/Pre-term. Marine Fishery Mortality	12,920	3,089	14,908	8,770	1,450	9,884	2,289	1,070	1,354	1,566	8,029
Nonlocal Mixed-terminal Fishery Mortality	5,268	83	385	1,001	51	960	49	104	53	332	861
Local Mixed Terminal Marine Fishery Mortality	597	2,829	14,681	11,952	0	7,256	9,067	n/a	n/a	n/a	n/a
Extreme Terminal & FW NTRTY	4,339	1,132	5,131	1,558	0	5,968	602	n/a	n/a	n/a	n/a
Extreme Terminal & FW TRTY	18,469	3,269	10,607	3,282	8	14,126	1,833	n/a	n/a	n/a	n/a
Extr. Term. TEST	1,440	0	0	0	0	25	-	n/a	n/a	n/a	n/a
Escapement \2	69,804	22,147	104,765	21,161	11,073	24,913	7,121	17,140	7,508	8,450	96,472
TOTAL ABUNDANCE \3	112,837	32,549	150,477	47,724	12,582	63,132	20,961	18,210	8,862	10,016	104,501
"TOTAL" PREDICTED EXPL. RATE \4	38.1%	32.0%	30.4%	55.7%	12.0%	60.5%	66.0%	5.9%	15.3%	15.6%	7.7%
Canada	1.0%	0.5%	0.5%	1.3%	0.7%	0.8%	2.0%	0.3%	1.3%	1.4%	0.7%
Alaska	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.1%	0.4%	0.2%	0.4%
Subtotal Southern U.S. EXPL. RATE \5	37.1%	31.4%	29.8%	54.3%	10.8%	59.7%	64.0%	5.5%	13.5%	14.1%	6.6%
S. Of Falcon Ocean	0.1%	0.1%	0.1%	0.1%	0.6%	0.1%	0.1%	0.4%	0.9%	1.6%	0.7%
NOF Ocean Troll:	NTrty 0.4%	0.4%	0.4%	0.5%	0.4%	0.4%	0.2%	1.1%	2.0%	2.6%	0.7%
	Trty 3.5%	2.3%	2.3%	3.5%	2.8%	3.1%	3.6%	2.6%	6.9%	5.0%	2.9%
Ntrty NOF Ocean & Buoy10 Spt	0.9%	0.6%	0.6%	1.2%	0.5%	0.8%	0.8%	0.9%	2.6%	3.8%	1.9%
Pgt Snd 5,6C Troll	Trty 0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	All Puget Sound Combined:		0.3%
								1.1%	1.0%		
Pgt Snd 5,6 Sport	2.0%	1.5%	1.5%	3.4%	3.5%	2.4%	1.3%				
Pgt Snd 7 Sport	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%				
Pgt Snd 8 Sport	0.8%	2.2%	2.6%	0.1%	0.0%	0.0%	0.4%				
Pgt Snd 9 Sport	1.6%	1.5%	1.5%	4.0%	0.1%	2.4%	0.1%				
Pgt Snd 10,11,13	0.4%	0.2%	0.2%	2.0%	0.0%	5.0%	0.1%				
Pgt Snd 12 Sport	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.2%				
Pgt Snd Extr. Term. & FW Sport	3.8%	3.4%	3.3%	2.5%	0.0%	9.5%	2.9%				
PS Preterminal Net**:	Ntrty 0.1%	0.0%	0.0%	0.0%	0.1%	0.1%	0.7%				
	Trty 0.6%	0.3%	0.3%	0.9%	2.2%	0.5%	1.4%				
Nonlocal Term. Net:	Ntrty 0.3%	0.0%	0.1%	0.3%	0.1%	0.2%	0.0%				
	Trty 4.4%	0.2%	0.2%	1.8%	0.3%	1.3%	0.2%				
Local Terminal Net:	Ntrty 0.0%	0.2%	0.2%	5.5%	--	1.2%	12.4%				
	Trty 0.5%	8.5%	9.6%	19.6%	--	10.3%	30.9%				
Extreme Term. Net	Ntrty 0.0%	0.1%	0.1%	0.8%	0.0%	0.0%	0.0%				
	Trty 16.4%	10.0%	7.0%	6.9%	0.1%	22.4%	8.7%				
	TEST 1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%				

* Model-predicted Escapement for Washington Coastal stock aggregates represents run returning to their terminal area or "Ocean Escapement".

Footnotes:

\1 From TAMM Tables 2.

\2 Puget Sound Stocks' values are Spawner Escapement ; Coastal stocks' values are "escapement from pre-terminal fisheries" equivalent to "Runsize Entering Terminal

\3 TOTAL ABUNDANCE is 'Fishery-related Mortality Plus Escapement', does not include 'natural mortality' nor 'dip-in mortality' of non-local stocks in coastal terminal fish

\4 For coastal stocks the presented ER is for pre-terminal fisheries only. See Table 2 for Total ER for coastal stocks.

\5 Sum of exploitation rates for Southern U.S. only: SoF, Ocean areas 1-4, Col. R., Puget Sound; however does not include WA coastal terminal area impacts.

TABLE T: THOMPSON AND UPPER FRASER COHO FISHERY IMPACT SUMMARY

Estimated fishery impacts from regulations described by the following FRAM run:

FRAM Run Number: coho1416

Run Description: PFMC 2014 April Final Col Riv updated

Impacts are expressed as total fishery-related mortality, incl. landed catch, non-retention mort., and other fishery-related mortality.

FISHERY	Interior Fraser Wild	
Projected Escapement	46,826	
Projected Pre-Terminal Exploitation Rate	14.1%	
Exploitation in U.S. Fisheries	10.0%	
	Mortality	Expl. Rate
CANADIAN (marine)	2104	3.9%
ALASKA	121	0.2%
SOUTH OF FALCON & COL R	80	0.1%
NORTH OF CAPE FALCON OCEAN:		
Treaty Troll Area 2	19	0.0%
Treaty Troll Area 3	32	0.1%
Treaty Troll Area 4	2011	3.7%
NT Troll Area 1	12	0.02%
NT Troll Area 2	80	0.15%
NT Troll Area 3	65	0.12%
NT Troll Area 4	15	0.03%
NT Sport Buoy 10 & Area 1	39	0.07%
NT Sport Area 2	133	0.24%
NT Sport Area 3	33	0.06%
NT Sport Area 4*	324	0.59%
PUGET SOUND:		
JDF Troll and Net	60	0.1%
SJI 6/7/7A NT Net	228	0.4%
SJI 6/7/7A T Net	246	0.5%
Sport: Area 5	928	1.7%
Area 6	74	0.1%
Area 7	59	0.1%
Area 8-13	59	0.1%
Puget Sound Terminal net	954	1.8%
WA Extreme Terminal Net & FW Sport	6	0.0%
Total:	7682	14.1%

* Area 4 Sport numbers include 4B add-on, if any, and a number of fish caught on Canadian licenses in areas 4 and 4B.