TABLE I-2. Preseason ocean abundance adult coho salmon stock forecasts in thousands of fish. (Page 1 of 2)

Production Source and Stock or Stock Group		2019	2020	2021	2022	2023	2024	Methodology for 2024 Prediction and Source
OPI Area Total Abundance (California, Oregon Coasts, and Columbia River)		1,009.6	268.7	1,732.9	1,225.9	1,135.7	636.3	Abundance of all OPI components based on post-season coho FRAM runs; prior to 2008 only fishery impacts south of Leadbetter Point were used (traditional OPI accounting). OPITT, see Chapter III for details.
OPI Public	Hatchery	933.5	185.7	1607.9	1003.5	896.9	403.1	OPIH: ARIMA-based MAPE weigthed ensemble forecast. Columbia early/late and Coastal proportions based on jacks; Coastal N/S proportions based on smolts.
Columbia River Early		545.0	130.7	1014.0	592.5	481.8	227.5	
Columbia River Late		360.6	50.3	576.0	404.7	404.3	173.6	
Coastal N. of Cape Blanco		12.0	2.4	6.4	1.9	3.0	0.6	
Coastal S. of Cape Blanco		15.9	2.3	11.5	4.4	7.8	1.4	
Lower Columbia River (LCN)	Natural	36.9	24.8	39.2	65.7	45.5	87.8	Oregon: recent three year average return; Washington: natural smolt production multiplied by 2021 brood marine survival rate. Abundance is subset of early/late hatchery abundance above.
Oregon Coast (OCN)	Natural	76.1	83.0	125.0	222.4	238.8	233.2	Rivers: Generalized additive model (GAM) relating ocean recruits to parental spawners and marine environmental variables. See text in Chapter III for details. Lakes: recent three year average abundance.
Washington Coast								
Willapa	Natural	63.4	17.9	19.0	35.8	42.7	29.5	Washington Coast stocks: A variety of methods were used, primarily based on smolt production and survival. See text in Chapter III for details.
	Hatchery	94.0	51.8	61.6	74.7	111.0	91.5	
Grays Harbor	Natural	71.5	50.0	44.8	120.4	102.8	74.9	
	Hatchery	64.3	42.3	31.7	78.3	111.4	68.2	
Quinault	Natural	13.9	17.5	15.0	19.4	23.6	25.3	
	Hatchery	26.9	27.0	24.6	42.7	30.6	34.7	
Queets	Natural	11.1	7.8	3.9	18.2	12.4	12.9	
	Hatchery	13.2	10.9	11.8	22.2	14.9	18.9	
Hoh	Natural	7.0	4.2	3.0	4.7	6.5	4.9	

TABLE I-2. Preseason adult coho salmon stock forecasts in thousands of fish. (Page 2 of 2)

Production Source and Stock or Stock Group		2019	2020	2021	2022	2023	2024	Methodology for 2024 Prediction and Source
Quillayute Fall	Natural	14.7	9.2	7.5	12.5	13.5	10.2	For all Washington Coast stocks: A variety of methods were used, primarily based on smolt production and survival. See text in Chapter III for details.
	Hatchery	17.0	13.0	15.1	20.3	19.1	10.3	
Quillayute Summer	Natural	1.2	0.8	0.3	0.9	1.6	0.4	
	Hatchery	3.4	3.4	3.4	4.6	3.9	2.3	
North Coast Independent Tributaries	Natural	8.1	5.1	4.7	18.0	13.5	4.9	
	Hatchery	12.5	1.3	0.1	0.1	11.8	9.0	
WA Coast Total	*Natural*	*191.0*	*112.4*	*98.4*	*229.8*	*216.6*	*162.9*	
	Hatchery	*231.3*	*149.6*	*148.2*	*243.0*	*302.7*	*234.9*	
Puget Sound								
Strait of Juan de Fuca	Natural	8.8	7.5	6.7	7.3	15.6	19.7	For all Puget Sound stocks: A variety of methods were used, primarily based on smolt production and survival. See text in Chapter III and Joint WDFW and tribal annual reports on Puget Sound Coho Salmon Forecast Methodology for details.
	Hatchery	16.8	20.6	12.5	12.7	21.8	22.6	
Nooksack-Samish	Natural	25.1	15.4	35.3	36.0	29.5	35.1	
	Hatchery	59.8	42.5	54.6	73.8	66.6	72.3	
Skagit	Natural	57.9	31.0	58.4	80.4	43.1	63.4	
	Hatchery	9.9	18.2	22.0	21.3	21.1	27.3	
Stillaguamish	Natural	23.8	19.5	26.8	24.9	30.2	30.8	
	Hatchery	2.2	2.3	4.0	1.9	1.7	0.9	
Snohomish	Natural	62.6	39.0	60.0	64.2	76.5	71.6	
	Hatchery	43.7	26.6	29.9	22.6	64.0	34.7	
South Sound	Natural	30.4	7.3	27.5	31.0	58.3	38.1	
	Hatchery	180.4	164.0	192.7	208.5	218.8	201.9	
Hood Canal	Natural	40.1	35.0	28.8	20.2	37.9	36.5	
	Hatchery	87.9	72.2	55.7	61.4	74.8	67.2	
Puget Sound Total	*Natural*	*248.8*	*154.6*	*243.5*	*264.0*	*291.2*	*295.3*	
	Hatchery	*400.7*	*346.3*	*371.4*	*402.3*	*468.8*	*426.9*	