

Anadromous Salmon and Steelhead Goal and Objectives

Biological Objectives (S)

S1 - Contribute to achieving the targets for salmon and steelhead adult abundance by stock and subregion developed by the NOAA Marine Fisheries Advisory Committee's (MAFAC) Columbia Basin Partnership Task Force.

The tables below display summary information for both natural-spawning and hatchery-origin adult salmon and steelhead. For the complete details on these abundance targets and supporting information go to MAFAC CBP Task Force Draft Phase 2 Report, Appendix A – Quantitative Goals, June 2, 2020.¹

The Council adopts this program objective under the following premise: The Council has never distributed the program's total salmon and steelhead abundance goal among stocks and areas of the basin. The Task Force has recently developed abundance targets distributed across stocks and areas but has not allocated responsibility for meeting those targets among the Columbia hydropower system and other mortality sources. For that reason, the Task Force's abundance targets are not to be understood as a division of the Council program's interim hydrosystem goal of an average annual abundance of 5 million total salmon and steelhead adults. Nor does the Council intend these distributed targets to represent, by themselves, the basis for distribution of the program's effort under the Northwest Power Act to protect, mitigate and enhance salmon and steelhead in the different areas of the basin. Instead, the Council expects work implemented under the program will contribute toward achieving these distributed targets along the way to achieving the overarching program goal, and thus the Council will track progress toward these distributed abundance targets as part of program performance.

Natural Origin Adult Returns to the Mouth of the Columbia River

Subregion	Low	Medium	High
Lower Columbia	193,900	426,700	772,500
Mid-Columbia	109,200	303,000	678,400
Upper Columbia	634,300	1,539,500	3,480,600
Snake River	140,600	435,200	805,000
Willamette River	101,000	198,000	334,000

¹ MAFAC numbers for natural origin adult returns are in the process of being finalized. Expected date for final numbers is end of June 2020. Any changes in the final MAFAC numbers will be incorporated prior to adoption of the Program addendum.

Hatchery Origin Adult Returns to the Mouth of the Columbia River

Subregion	Current	Future anticipated
Lower Columbia	425,800	427,800
Mid-Columbia	381,700	385,500
Upper Columbia	265,700	610,400
Snake River	362,270	386,900
Willamette River	92,000	67,700

Strategy Performance Indicators

The following table contains the strategy performance indicators (indicators), organized by program strategy, that contribute to achieving the objectives. The code in parenthesis at the end of each indicator statement identifies the linkage between the objective and the indicator number; for example, S1-1 refers to objective S1 and indicator number 1. These indicators are not adopted into the program. The order of the strategies reflects the order in the 2014 Program.

Fish Propagation and Hatchery Indicators

Progress toward the following regionally agreed-upon targets for salmon and steelhead hatchery production. These targets were developed by the NOAA Marine Fisheries Advisory Committee's (MAFAC) Columbia Basin Partnership Task Force. For the complete details on these targets and supporting information go to MAFAC CBP Task Force Draft Phase 2 Report, Appendix A – Quantitative Goals, June 2, 2020. See Objective S1 above for the relationship of these targets to the program. (S1-2)

Group	Current Hatchery Juvenile Production	Future Total Hatchery Juvenile Production
Lower Columbia Chum	770,000	770,000
Lower Columbia Coho	12,108,600	12,239,000
Lower Columbia Fall Chinook (tules)	19,366,500	19,366,500
Lower Columbia Fall Chinook (brights)	0	0
Lower Columbia Fall Chinook (brights) Select Area	2,100,000	2,100,000
Lower Columbia Spring Chinook	4,120,000	6,340,000
Lower Columbia Winter Steelhead	1,381,000	1,381,000
SW Washington Winter Steelhead	223,000	223,000
Lower Columbia Summer Steelhead	1,307,000	1,307,000
Mid-Columbia Coho	5,200,000	5,200,000
Mid-Columbia Sockeye	0	0
Mid-Columbia Spring Chinook	6,380,000	6,930,000
Mid-Columbia Fall Chinook (tules)	10,700,000	10,700,000
Mid-Columbia Fall Chinook (brights)	11,000,000	12,000,000
Mid-Columbia Summer Steelhead	960,000	710,000
Snake River Fall Chinook	5,650,000	5,650,000
Snake River Sockeye	900,000	1,000,000
Snake River Spring/Summer Chinook	15,340,500	18,115,500

Snake River Summer Steelhead	10,328,000	10,328,000
Snake River Coho	1,550,000	1,550,000
Upper Columbia Fall Chinook	14,450,000	24,140,000
Upper Columbia Sockeye	4,500,000	14,100,000
Upper Columbia Spring Chinook	3,094,000	10,200,000
Upper Columbia Summer Chinook	4,286,000	14,400,000
Upper Columbia Summer Steelhead	935,300	2,750,000
Upper Columbia Coho	2,000,000	2,250,000
Willamette River Spring Chinook	5,241,000	5,817,000
Upper Willamette River Summer Steelhead	600,000	550,000
Upper Willamette River Winter Steelhead	0	0

Wild Fish Strategy Indicators

Progress toward the following regionally agreed-upon adult abundance escapement targets for natural-origin salmon and steelhead. These targets were developed by the NOAA Marine Fisheries Advisory Committee's (MAFAC) Columbia Basin Partnership Task Force. For the complete details on these targets and supporting information go to MAFAC CBP Task Force Draft Phase 2 Report, Appendix A – Quantitative Goals, June 2, 2020². See Objective S1 above for the relationship of these targets to the program. (S1-3, S5-1)

Group	Low, 10-year geometric mean	Med, 10-year geometric mean	High, 10-year geometric mean
Lower Columbia Spring Chinook	9,800	21,550	33,300
Lower Columbia Chum	16,500	33,000	49,500
Lower Columbia Coho	67,925	129,550	191,400
Lower Columbia Fall Chinook (tules)	28,050	54,100	82,000
Lower Columbia Fall Chinook (late brights)	11,100	16,700	22,200
Lower Columbia Fall (brights)	11,000	11,000	11,000
Lower Columbia Summer Steelhead	21,100	29,800	38,100
SW Washington Winter Steelhead	4,650	5,850	6,950
Lower Columbia Winter Steelhead	19,000	27,900	36,400
Mid-Columbia Coho	5,300	11,600	19,900
Mid-Columbia Sockeye	7,500	45,000	107,500

² MAFAC numbers for natural origin escapement are in the process of being finalized. Additional revisions to these numbers may occur and are expected to be available by end of June 2020. Any changes in the final MAFAC numbers will be incorporated prior to adoption of the Program addendum.

Mid-Columbia Spring Chinook	17,750	40,425	114,500
Mid-Columbia Summer/Fall	4,000	13,000	16,000
Mid-Columbia Summer Steelhead	21,500	43,850	69,150
Snake River Fall Chinook	4,200	10,780	23,360
Snake River Sockeye	5,500	15,750	26,000
Snake River Spring/Summer Chinook	31,750	94,375	152,500
Snake River Summer Steelhead	21,000	70,500	124,000
Snake River Coho	8,900	26,600	44,100
Upper Columbia Fall Chinook	9,200	62,215	87,835
Upper Columbia Sockeye	31,500	580,000	1,235,000
Upper Columbia Spring Chinook	11,500	19,840	30,135
Upper Columbia Summer Chinook	9,000	78,350	131,300
Upper Columbia Summer Steelhead	7,500	31,000	47,000
Upper Columbia Coho	7,500	15,000	26,000
Upper Willamette Spring Chinook	28,900	47,850	66,800
Upper Willamette Winter Steelhead	16,290	27,805	39,320