

Alaska Department of Fish and Game: Hatchery Enhancement

Recent Hatchery Production								
RELEASE YEAR	SPECIES	TAGGED		UNTAGGED				TOTAL RELEASED
		AD + CWT	AD + TM + CWT	AD	TM	AD + TM	NO MARK	
2020	Chinook	534,275	524,810	¹ 11,716	6,582,592	¹ 308,633	2,684,759	10,646,785
	Coho	834,060	188,418	¹ 16,817	8,965,895	¹ 4,751	26,847,648	36,857,589
	Sockeye	0	0	0	² 44,907,932	0	0	44,907,932
	Pink	0	0	0	873,683,659	0	762,491	874,446,150
	Chum	0	0	0	768,097,239	0	120,000	768,217,239
Year Totals:		1,368,335	713,228	28,533	1,702,237,317	313,384	30,414,898	1,735,075,695
2021	Chinook	235,862	538,811	¹ 2,322	7,374,656	¹ 310,584	1,120,479	9,582,714
	Coho	747,812	257,170	¹ 19,116	14,992,077	¹ 2,752	22,252,242	38,271,169
	Sockeye	0	0	0	² 43,465,058	0	383,941	43,848,999
	Pink	0	0	0	869,213,697	0	1,340,307	870,554,004
	Chum	0	0	0	720,607,491	0	30,000,000	750,607,491
Year Totals:		983,674	795,981	21,438	1,655,652,979	313,336	55,096,969	1,712,864,377
2022	Chinook	288,674	1,040,182	^{1,3} 942,855	6,150,411	^{1,3} 1,690,741	586,512	10,699,375
	Coho	843,841	234,912	¹ 22,217	13,876,421	¹ 2,510	20,281,672	35,261,573
	Sockeye	0	0	0	² 42,118,063	0	584,983	42,703,046
	Pink	0	0	0	1,033,865,173	0	5,186,382	1,039,051,555
	Chum	0	0	0	729,657,802	0	30,800,000	760,457,802
Year Totals:		1,132,515	1,275,094	965,072	1,825,667,870	1,693,251	57,439,549	1,888,173,351
2023	Chinook	290,456	934,764	^{1,3} 648,264	5,468,788	^{1,3,4} 1,968,678	158,303	9,469,253
	Coho	742,285	511,010	¹ 15,078	16,537,076	^{1,5} 81,798	14,086,539	31,973,786
	Sockeye	0	0	0	² 34,967,414	0	313,869	35,281,283
	Pink	0	0	0	1,002,924,230	0	10,515,748	1,013,439,978
	Chum	0	0	0	748,392,001	0	0	748,392,001
Year Totals:		1,032,741	1,445,774	663,342	1,808,289,509	2,050,476	198,404,232	1,838,556,301
2024 (est)	Chinook	368,209	696,175	^{1,3} 795,560	6,554,167	^{1,3,4} 1,829,710	372,408	10,616,229
	Coho	789,401	218,069	¹ 20,309	11,670,552	¹ 4,176	22,635,233	35,337,740
	Sockeye	0	0	0	² 43,274,398	0	242,231	43,516,629
	Pink	0	0	0	898,381,639	0	31,308,996	929,690,635
	Chum	0	0	0	726,985,360	0	15,230,000	742,215,360
Year Totals:		1,157,610	914,244	815,869	1,686,866,116	1,833,886	69,788,868	1,761,376,593

¹ These values include small portions of coded wire tagged releases that lost their tags prior to release. They were not all intended to be released without a CWT

² These values include sockeye that Snettisham Hatchery releases in BC as part of the TBR enhancement activities. There were 4,569,300 released in 2020; 1,930,000 released in 2021; 2,982,600 released in 2022; and 3,625,900 released in 2023. We estimate that ~3.5million will be released in 2024.

³ These values include mass marked Chinook that Southern Southeast Regional Aquaculture Association (SSRAA) began releasing for the first time in 2022. They intend to continue releasing mass marked Chinook.

⁴ This value includes the first mass marked releases from Macaulay Hatchery (operated by DIPAC). They will likely continue releasing mass marked Chinook in the future.

⁵ This value includes fish that were part of a Northern Southeast Regional Aquaculture Association release that are believed to have lost their adipose fins due to some aspect of the rearing environment. This is being investigated.

Alaska Department of Fish and Game: Hatchery Enhancement

Projected 2024 Hatchery Production by Region

REGION	SPECIES	TAGGED		UNTAGGED				TOTAL RELEASED
		AD + CWT	AD + TM + CWT	AD	TM	AD + TM	NO MARK	
Southeast	Chinook	368,209	696,175	^{1,3} 795,560	4,505,119	^{1,3} 1,701,449	314,066	8,380,578
	Coho	789,401	218,069	¹ 20,309	5,584,020	¹ 4,176	22,296,692	28,912,667
	Sockeye	0	0	0	² 12,892,312	0	0	12,892,312
	Pink	0	0	0	51,425,692	0	31,308,996	82,734,688
	Chum	0	0	0	572,208,166	0	15,230,000	587,438,166
Region Sub Totals:		1,157,610	914,244	815,869	646,615,309	1,705,625	69,149,754	720,358,411
Southcentral	Chinook	0	0	0	2,047,946	128,261	2,686	2,178,893
	Coho	0	0	0	4,938,512	0	1,234	4,939,746
	Sockeye	0	0	0	27,526,789	0	0	27,526,789
	Pink	0	0	0	682,614,083	0	0	682,614,083
	Chum	0	0	0	127,654,152	0	0	127,654,152
Region Sub Totals:		0	0	0	844,781,482	128,261	3,920	844,913,663
Arctic, Yukon, Kuskokwim	Chinook	0	0	0	1,102	0	0	1,102
	Coho	0	0	0	44,225	0	0	44,225
	Chum	0	0	0	70,120	0	0	70,120
Region Sub Totals:		0	0	0	115,447	0	0	115,447
Westward	Chinook	0	0	0	0	0	55,656	55,656
	Coho	0	0	0	1,103,795	0	337,307	1,441,102
	Sockeye	0	0	0	2,855,297	0	242,231	3,097,528
	Pink	0	0	0	164,341,864	0	0	164,341,864
	Chum	0	0	0	27,052,922	0	0	27,052,922
Region Sub Totals:		0	0	0	195,353,878	0	635,194	195,989,072
All Regions	Chinook	368,209	696,175	^{1,3} 795,560	6,554,167	^{1,3} 1,829,710	372,408	10,616,229
	Coho	789,401	218,069	¹ 20,309	11,670,552	¹ 4,176	22,635,233	35,337,740
	Sockeye	0	0	0	² 43,274,398	0	242,231	43,516,629
	Pink	0	0	0	898,381,639	0	31,308,996	929,690,635
	Chum	0	0	0	726,985,360	0	15,230,000	742,215,360
Grand Totals:		1,157,610	914,244	815,869	1,686,866,116	1,833,886	69,788,868	1,761,376,593

Projections are based on the average releases from 2020 - 2023

¹ These values include small portions of coded wire tagged releases that lost their tags prior to release. They were not all intended to be released without a CWT

² These values include sockeye that Snettisham Hatchery releases in BC as part of the TBR enhancement activities. We estimate that ~3.6million will be released in 2024.

³ These values include projected mass marked releases conducted by Southern Southeast Regional Aquaculture Association (SSRAA) and Macaulay Salmon Hatchery. Hatcheries operated by SSRAA began releasing mass marked Chinook for the first time in 2022 and Macaulay Hatchery released their first mass marked Chinook in 2023.

Alaska Department of Fish and Game: Wild Coded Wire Tagged Releases

Recent Wild Tagged Releases								
Release Year	SPECIES	TAGGED		UNTAGGED				TOTAL RELEASED
		AD + CWT	AD + TM + CWT	AD ¹	TM	AD + TM	NO MARK ²	
2020	Chinook	161,952	0	106	0	0	0	162,058
	Coho	67,385	0	482	0	0	0	67,867
Year Totals:		229,337	0	588	0	0	0	229,925
2021	Chinook	129,055	0	67	0	0	0	129,122
	Coho	57,581	0	576	0	0	0	58,157
Year Totals:		186,636	0	643	0	0	0	187,279
2022	Chinook	148,383	0	95	0	0	0	148,478
	Coho	101,725	0	621	0	0	0	102,346
Year Totals:		250,108	0	716	0	0	0	250,824
2023	Chinook	78,364	0	86	0	0	0	78,450
	Coho	81,100	0	703	0	0	0	81,803
Year Totals:		159,464	0	789	0	0	0	160,253
2024 (est)	Chinook	149,870	0	150	0	0	0	150,020
	Coho	74,360	0	510	0	0	0	74,870
Year Totals:		224,230	0	660	0	0	0	224,890

¹ The values in this column represent small portions of coded wire tagged releases that lost their tags. They were not intended to be released without a CWT

² Values in this column would represent fish that were captured and counted during wild tagging operations, but were released without being marked or tagged.

Projected 2024 Wild Tagged Releases by Region								
REGION	SPECIES	TAGGED		UNTAGGED				TOTAL RELEASED
		AD + CWT	AD + TM + CWT	AD	TM	AD + TM	NO MARK	
Southeast	Chinook	119,950	0	80	0	0	0	120,030
	Coho	74,360	0	510	0	0	0	74,870
Region Sub Totals:		194,310	0	590	0	0	0	194,900
				0				
Southcentral	Chinook	29,920	0	70	0	0	0	29,990
Region Sub Totals:		29,920	0	70	0	0	0	29,990
				0				
All Regions	Chinook	149,870	0	150	0	0	0	150,020
	Coho	74,360	0	510	0	0	0	74,870
Grand Totals:		224,230	0	660	0	0	0	224,890

Projections are based on the average releases from 2020 - 2023

IDFG production plans and marking/tagging in 2024

Mass Marking - With the exception of some limited releases intended for supplementation or specific broodstock management purposes, most spring/summer chinook salmon (95%) and steelhead (85%) are mass marked with an adipose fin clip (see tables below).

Mark Selective Fisheries- Recreational fisheries for spring/summer Chinook Salmon and Steelhead in Idaho are mark selective. Tribal fisheries in Idaho are non-selective.

Brood Year 2023 Spring/Summer Chinook and Sockeye Salmon- Marking/Tagging in 2024

Fish Hatchery	Species	Release Site	Marks & Tags				Total
			AD	AD/CWT	CWT	PBT Only	
Clearwater	Spring Chinook Salmon	Clear Creek	572,000	120,000			692,000
	Spring Chinook Salmon	Lower Selway R.	147,000	120,000	120,000		387,000
	Spring Chinook Salmon	NF Clearwater	565,000	120,000			685,000
	Spring Chinook Salmon	Powell Pond	485,000	120,000			605,000
	Spring Chinook Salmon	Red River Pond	1,100,000	120,000			1,220,000
Clearwater Total			2,869,000	600,000	120,000	0	3,589,000
McCall	Summer Chinook Salmon	S.F. Salmon R. (Integrated)			160,000		160,000
	Summer Chinook Salmon	S.F. Salmon R. (Segregated)	840,000	120,000			960,000
McCall Total			840,000	120,000	160,000	0	1,120,000
Pahsimeroi	Summer Chinook Salmon	Pahsimeroi R. (Integrated)			65,000		65,000
	Summer Chinook Salmon	Pahsimeroi R. (Segregated)	900,000	120,000			1,020,000
Pahsimeroi Total			900,000	120,000	65,000	0	1,085,000
Rapid River	Spring Chinook Salmon	Hells Canyon	350,000				350,000
	Spring Chinook Salmon	Rapid River	2,700,000	120,000			2,820,000
Rapid River Total			3,050,000	120,000	0	0	3,170,000
Sawtooth	Spring Chinook Salmon	Sawtooth weir (Integrated)			250,000		250,000
	Spring Chinook Salmon	Sawtooth weir (Segregated)	1,880,000	120,000			2,000,000
	Spring Chinook Salmon	Yankee Fork	180,000	120,000			300,000
Sawtooth Total			2,060,000	240,000	250,000	0	2,550,000
Springfield	Sockeye Salmon	Upper Salmon R. & Redfish Lake Cr.	1,000,000				1,000,000
Grand Total			10,719,000	1,200,000	595,000	0	12,514,000

Does not include spring Chinook production from Dworshak National Fish Hatchery (NPT), Kooskia National Fish Hatchery (NPT), Nez Perce Tribal Hatchery (NPT), or Fall Chinook from NPTH. Also, does not include Fall Chinook production (1.0M sub-yearlings) from the Idaho Power Company because these fish are reared and marked/tagged at Irrigon Fish Hatchery in Oregon.

Brood Year 2024 Steelhead- Marking/Tagging in 2024

		Marks & Tags		
Fish Hatchery	Release Site	AD-Clip	CWT Only	Grand Total
Clearwater	Newsome Cr.		123,000	123,000
	Red House Hole	219,000		219,000
	Meadow Cr	291,000	210,000	501,000
Clearwater Total		510,000	333,000	843,000
Hagerman National	Sawtooth Weir	1,410,000		1,410,000
	Upper EF.Salmon R. (Weir)		60,000	60,000
	Sawtooth Weir (PRAS)	90,000		90,000
Hagerman National Total		1,500,000	60,000	1,560,000
Magic Valley	Pahsimeroi Trap		434,000	434,000
	Sawtooth Weir	279,000		279,000
	Little Salmon R.	403,000		403,000
	Yankee Fork	434,000		434,000
Magic Valley Total		1,116,000	434,000	1,550,000
Niagara Springs	Hells Canyon Dam	550,000		550,000
	Pahsimeroi Trap	800,000		800,000
	Little Salmon R.	450,000		450,000
Niagara Springs Total		1,800,000	0	1,800,000
Grand Total		4,926,000	827,000	5,753,000

Does not include production from Dworshak National Fish Hatchery (NPT).

Pacific Northwest USFWS – 2024 Planned Releases of Hatchery Fish – by Mark and Tag Status

Production in italics will be released and reported by another agency

2-Apr-24

Hatchery	Species/Run	Stock	CWT+AD	CWT only	AD only	None	Total
Spring Creek NFH	Fall Chinook	Spring Creek	405,000	405,000	11,190,000	0	12,000,000
Little White Salmon NFH	URB Chinook	Little White Salmon	200,000	200,000	3,900,000	0	4,300,000
Willard NFH	URB Chinook	Little White Salmon	100,000	100,000	1,800,000	0	2,000,000
<i>Little White Salmon NFH</i>	<i>URB Chinook</i>	<i>Little White Salmon</i>	<i>140,000</i>	<i>0</i>	<i>960,000</i>	<i>0</i>	<i>1,100,000</i>
<i>Prosser</i>	<i>URB Chinook</i>	<i>Little White Salmon</i>	<i>60,000</i>	<i>0</i>	<i>540,000</i>	<i>0</i>	<i>600,000</i>
Entiat NFH	Summer Chinook	Entiat - 1+	220,000	0	200,000	0	420,000
Carson NFH	Spring Chinook	Carson - 1+	87,500	0	1,420,000	0	1,507,500
Little White Salmon NFH	Spring Chinook	Little White Salmon - 1+	100,000	0	1,550,000	0	1,650,000
Warm Springs NFH	Spring Chinook	Warm Springs - 1+	50,000	0	0	0	50,000
Warm Springs NFH	Spring Chinook	Wild - 1+	0	0	0	5,000	5,000
Warm Springs NFH	Spring Chinook	Parkdale Stock - 1+	7,000	0	0	0	7,000
Warm Springs NFH	Spring Chinook	Roundbutte Stock - 1+	8,000	0	0	0	8,000
Leavenworth NFH	Spring Chinook	Leavenworth - 1+	200,000	0	1,000,000	0	1,200,000
Winthrop NFH	Spring Chinook	Methow - 1+	420,000	0	0	0	420,000
Kooskia NFH	Spring Chinook	Kooskia - 1+	100,000	0	350,000	50,000	500,000
<i>Dworshak NFH</i>	<i>Spring Chinook</i>	<i>Dworshak - 1+</i>	<i>120,000</i>	<i>0</i>	<i>1,530,000</i>	<i>0</i>	<i>1,650,000</i>
Coleman NFH	Late-Fall Chinook	Sacramento	1,000,000	0	0	0	1,000,000
Coleman NFH	Fall Chinook	Sacramento	3,125,000	0	0	9,375,000	12,500,000
Coleman NFH	Fall Chinook	Sacramento - unfed fry	0	0	0	0	0
Livingston Stone NFH	Winter Chinook	Sacramento	744,000	0	0	0	744,000
Livingston Stone NFH	Winter Chinook	Sacramento	133,000	0	0	0	133,000
Makah NFH	Fall Chinook	Tsoo-Yess R.	200,000	0	2,000,000	0	2,200,000
Chinook Total	Ad-clipped % = 77%		7,419,500	705,000	26,440,000	9,430,000	43,979,500
Eagle Creek NFH	Coho	Eagle Creek - 1+	25,000	25,000	300,000	0	350,000
<i>Eagle Creek NFH</i>	<i>Coho</i>	<i>Clearwater River - 1+</i>	<i>0</i>	<i>60,000</i>	<i>0</i>	<i>215,000</i>	<i>275,000</i>
<i>Eagle Creek NFH</i>	<i>Coho</i>	<i>Clearwater River - 1+</i>	<i>0</i>	<i>60,000</i>	<i>0</i>	<i>215,000</i>	<i>275,000</i>
<i>Eagle Creek NFH</i>	<i>Coho Early Run</i>	<i>Eagle Creek/Yakima R. - 1+</i>	<i>0</i>	<i>0</i>	<i>279,000</i>	<i>0</i>	<i>279,000</i>
<i>Eagle Creek NFH</i>	<i>Coho Late Run</i>	<i>Eagle Creek/Yakima R. - 1+</i>	<i>239,000</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>239,000</i>
<i>Willard NFH</i>	<i>Coho</i>	<i>Wenatchee R. - 1+</i>	<i>0</i>	<i>630,000</i>	<i>0</i>	<i>430,000</i>	<i>1,060,000</i>
<i>Cascade Hatchery</i>	<i>Coho</i>	<i>Wenatchee R. - 1+</i>	<i>0</i>	<i>460,000</i>	<i>0</i>	<i>258,000</i>	<i>718,000</i>
<i>Winthrop NFH</i>	<i>Coho</i>	<i>Wenatchee R. - 1+</i>	<i>0</i>	<i>319,000</i>	<i>0</i>	<i>0</i>	<i>319,000</i>
Makah NFH	Coho	Cook Creek - 1+	100,000	0	0	0	100,000
Makah NFH	Coho	Cook Creek - pre-smolts	0	0	230,000	0	230,000
Quinalt NFH	Coho	Cook Creek - 1+	80,000	0	580,000	0	660,000
Quicene NFH	Coho	Big Quilcene R. - 1+	80,000	80,000	440,000	0	600,000
Coho Total	Ad-clipped % = 46%		524,000	1,634,000	1,829,000	1,118,000	5,105,000
Winthrop NFH	Steelhead	Wells/Methow	200,000	0	0	0	200,000
<i>Dworshak NFH</i>	<i>Steelhead</i>	<i>Dworshak</i>	<i>180,000</i>	<i>0</i>	<i>1,720,000</i>	<i>200,000</i>	<i>2,100,000</i>
Coleman NFH	Steelhead	Coleman NFH	0	0	600,000	0	600,000
Makah NFH	Steelhead	Makah NFH - Tsoo-Yess R.	0	0	185,000	0	185,000
Quinalt NFH	Steelhead	Cook Creek	20,000	0	200,000	0	220,000
Steelhead Total	Ad-clipped % = 94%		400,000	0	2,705,000	200,000	3,305,000
Quinalt NFH	Chum	Cook Creek	0	0	0	2,000,000	2,000,000
Chum Total	Ad-clipped % = 0%		0	0	0	2,000,000	2,000,000
Total			8,343,500	2,339,000	30,974,000	12,748,000	54,389,500

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RMIS REPORT

California

Chinook and Coho Coded Wire Tagging

Brood Year (BY) 2022 and projected BY 2023

Jason Azat

4/18/2024

Klamath River Iron Gate / Fall Creek Hatcheries

Chinook Fall

By 2022 6,000,000 25% CWT

By 2023 1,250,000 0% CWT

By 2023 2,000,000 25% CWT

Coho

By 2022 93,000 0% CWT

BY 2023 75,000 0% CWT

Trinity Hatchery

Chinook Fall

BY 2022 2,400,000 25% CWT

By 2023 2,500,000 25% CWT

Chinook Spring

BY 2022 1,350,000 25% CWT

By 2023 1,350,000 25% CWT

Coho

BY 2022 250,000 100% CWT

By 2023 150,000 100% CWT

Feather Hatchery

Chinook Fall

BY 2022 10,000,000 25% CWT

BY 2023 10,000,000 25% CWT

Chinook Spring

BY 2022 2,350,000 100% CWT

BY 2023 2,400,000 100% CWT

Nimbus Hatchery

Chinook Fall

BY 2022 4,500,000 25% CWT

BY 2022 1,200,000 0% CWT, Genetic

BY 2023 4,500,000 25% CWT

BY 2023 2,400,000 0% CWT, Genetic

Mokelumne Hatchery

Chinook Fall

By 2022 7,000,000 28% CWT

By 2023 8,900,000 29% CWT

Merced Hatchery

Chinook Fall

BY 2022 830,000 25% CWT

BY 2023 1,200,000 25% CWT

2024 CWT & MM Plans for NWIFC Member Tribes *

Species	Run	AD+CWT	CWT Only	AD Only	Total
Chinook	Spring	350,000	1,810,000	490,000	2,650,000
	Summer	300,000	400,000	3,200,000	3,900,000
	Fall	2,184,000	750,000	6,900,000	9,834,000
	sub total	2,834,000	2,960,000	10,590,000	16,384,000
Coho	Summer	100,000	0	0	100,000
	Fall	858,000	150,000	6,520,000	7,528,000
	sub total	958,000	150,000	6,520,000	7,628,000
Steelhead	Winter	68,000	0	230,000	298,000
	Totals	3,860,000	3,110,000	17,340,000	24,310,000

* Includes marking conducted by WDFW

CHIEF JOSEPH HATCHERY PROGRAM SUMMER CHINOOK

Mark Group	Target max smolt released	Life-stage released	% CWT (#)	Adipose Fin-Clip	PIT tag
<u>Okanogan Integrated</u>	1,100,000				
Similkameen Pond	400,000	Yearling	100%	100%	5,000
Omak Pond	400,000	Yearling	100%	100%	5,000
Omak Pond	300,000	Sub-yearling	100%	100%	5,000
<u>Chief Joseph Segregated</u>	900,000				
	500,000	Yearling	20% (100,000)	100%	5,000
	400,000	Sub-yearling	25% (100,000)	100%	5,000
Natural-Origin	RST and Confluence Seine	N/A	0%	0%	≤ 30,000

CHIEF JOSEPH HATCHERY PROGRAM SPRING CHINOOK

Mark Group	Smolt released	Life-stage released	% CWT (#)	Adipose Fin-Clip	PIT tag
<u>Chief Joseph Segregated</u>	700,000	Yearling	29% (200,000)	100%	5,000
<u>Reintroduction Integrated (\$10(j) fish from Winthrop)</u>					
Riverside Pond	200,000	Yearling	100%	0%	5,000
Natural-Origin	RST	Yearling	0%	0%	≤ 5,000

Wintwaha Fish Hatchery Program (Formerly Walla Walla Hatchery) Spring

Mark Group	Target Smolt Released	Life-stage Released	% CWT + Ad-clip (#)
Wintwaha Fish Hatchery On-site Release	300,000	Yearling	30% (90,000)
Upper Mill Creek Release	100,000	Yearling	30% (30,000)
Walla Walla Mouth (river mile 5) Release	100,000	Yearling	30% (30,000)

These fish will be the first marked with the CTUIR prefix '11'

Chinook Release 2025

% Ad-clip only (#)	# PIT- tagged
70% (210,000)	10,000
70% (70,000)	15,000
70% (70,000)	10,000