

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	
2019	Chinook	414,026	680,897	¹ 45,689	6,109,010	¹ 303,685	2,039,914	9,593,221
	Coho	715,942	191,776	¹ 21,928	8,847,815	¹ 6,692	20,897,556	30,681,709
	Sockeye	0	0	0	² 42,606,536	15,230	0	42,621,766
	Pink	0	0	0	816,764,027	0	117,946,803	934,710,830
	Chum	0	0	0	689,578,906	0	0	689,578,906
Year Totals:		1,129,968	872,673	67,617	1,563,906,294	325,607	140,884,273	1,707,186,432
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 43,024,537	0	383,941	43,408,478
	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	1,655,212,458	313,336	55,096,969	1,712,423,856
2022	Chinook	285,608	1,040,182	^{1,3} 942,833	6,150,411	^{1,3} 1,690,741	550,526	10,660,301
	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:		1,129,449	1,275,094	965,050	1,825,667,870	1,693,251	198,404,232	1,888,134,277
2023 (est)	Chinook	270,535	985,285	^{1,3} 893,074	4,970,768	^{1,3,4} 2,448,667	552,427	10,120,755
	Coho	785,414	218,069	¹ 20,020	11,670,552	¹ 4,176	22,569,780	35,268,010
	Sockeye	0	0	0	² 43,164,267	3,808	242,231	43,410,306
	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:		1,055,948	1,203,354	913,093	1,685,964,650	1,664,586	69,903,433	1,760,705,065

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 3,618,900 released in 2019; 4,569,300 released in 2020; 1,930,000 released in 2021; and 2,982,600 released in 2022. We estimate that ~2.3million will be released in 2023.

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 also plan to otolith mark all of these fish. They will likely continue releasing mass marked Chinook in the future.

All Alaskan hatchery release data can be queried and downloaded through the Regional Mark Information System or through the "Hatchery Release Report" on ADF&G's website at:

<https://mtalab.adfg.alaska.gov/CWT/reports/default.aspx>

Alaska Department of Fish and Game: Hatchery Enhancement

Projected 2023 Hatchery Production by Region								
REGION	SPECIES	TAGGED		UNTAGGED				TOTAL RELEASED
		AD + CWT	AD + TM + CWT	AD	TM	AD + TM	NO MARK	
Southeast	Chinook	270,535	985,285	^{1,3} 893,074	3,110,622	^{1,3} 2,165,867	513,753	7,939,135
	Coho	785,414	218,069	¹ 20,020	4,634,954	¹ 4,176	21,990,338	27,652,970
	Sockeye	0	0	0	² 10,222,400	0	0	10,222,400
	Pink	0	0	0	51,289,047	0	1,889,730	53,178,777
	Chum	0	0	0	571,704,096	0	15,230,000	586,934,096
Region Sub Totals:		1,055,948	1,203,354	0	640,961,118	2,170,043	39,623,821	685,927,379
Southcentral	Chinook	0	0	0	1,859,072	282,800	1,889	2,143,761
	Coho	0	0	0	5,758,536	0	1,063	5,759,598
	Sockeye	0	0	0	30,100,538	3,808	0	30,104,346
	Pink	0	0	0	714,912,482	0	0	714,912,482
	Chum	0	0	0	127,535,735	0	0	127,535,735
Region Sub Totals:		0	0	0	880,166,363	286,608	2,952	880,455,922
Arctic, Yukon, Kuskokwim	Chinook	0	0	0	1,075	0	0	1,075
	Coho	0	0	0	47,402	0	0	47,402
	Chum	0	0	0	125,561	0	0	125,561
Region Sub Totals:		0	0	0	174,038	0	0	174,038
Westward	Chinook	0	0	0	0	0	36,785	36,785
	Coho	0	0	0	1,229,661	0	578,379	1,808,040
	Sockeye	0	0	0	2,841,329	0	242,231	3,083,560
	Pink	0	0	0	132,180,110	0	29,419,266	161,599,376
	Chum	0	0	0	27,619,967	0	0	27,619,967
Region Sub Totals:		0	0	0	163,871,066	0	30,276,660	194,147,727
All Regions	Chinook	270,535	985,285	^{1,3} 893,074	4,970,768	^{1,3} 2,448,667	552,427	10,120,755
	Coho	785,414	218,069	¹ 20,020	11,670,552	¹ 4,176	22,569,780	35,268,010
	Sockeye	0	0	0	² 43,164,267	3,808	242,231	43,410,306
	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:		1,055,948	1,203,354	0	1,685,172,585	2,456,651	69,903,433	1,760,705,065

Projections are based on the average releases from 2019 - 2022

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 ~2.3million will be released in 2023.

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 will be releasing 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	
2019	Chinook	160,095	0	327	0	0	0	160,422
	Coho	70,738	0	357	0	0	135	71,230
	Year Totals:	230,833	0	684	0	0	135	231,652
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	133,186	0	95	0	0	0	133,281
	Coho	93,830	0	621	0	0	0	94,451
	Year Totals:	227,016	0	716	0	0	0	227,732
2023 (est)	Chinook	146,070	0	150	0	0	0	146,220
	Coho	72,380	0	510	0	0	30	72,920
	Year Totals:	218,450	0	660	0	0	30	219,140

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

Projected 2023 Wild Tagged Releases by Region								
REGION	SPECIES	TAGGED		UNTAGGED				TOTAL RELEASED
		AD + CWT	AD + TM + CWT	AD	TM	AD + TM	NO MARK	
Southeast	Chinook	117,260	0	110	0	0	0	117,370
	Coho	72,380	0	510	0	0	30	72,920
	Region Sub Totals:	189,640	0	620	0	0	30	190,290
0								
Southcentral	Chinook	28,810	0	40	0	0	0	28,850
	Region Sub Totals:	28,810	0	40	0	0	0	28,850
0								
All Regions	Chinook	146,070	0	150	0	0	0	146,220
	Coho	72,380	0	510	0	0	30	72,920
	Grand Totals:	218,450	0	660	0	0	30	219,140

Projections are based on the average releases from 2019 - 2022

2023 CWT & MM Plans for NWIFC Member Tribes*

Species	Run	AD+CWT	CWT Only	AD Only	Total
Chinook	Spring	600,000	250,000	4,600,000	5,450,000
	Summer	300,000	1,900,000	400,000	2,600,000
	Fall	1,680,000	800,000	7,350,000	9,830,000
	sub total	2,580,000	2,950,000	12,350,000	17,880,000
Coho	Summer	100,000	0	0	100,000
	Fall	825,000	250,000	6,825,000	7,900,000
	sub total	925,000	250,000	6,825,000	8,000,000
Steelhead	Winter	70,000	0	335,000	405,000
Totals		3,575,000	3,200,000	19,510,000	26,285,000

*Includes marking conducted by WDFW

IDFG production plans and marking/tagging in 2023

Mass Marking - With the exception of some limited releases intended for supplementation or specific broodstock management purposes, most spring/summer chinook salmon (93%) 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 2022 Spring/Summer Chinook and Sockeye Salmon- Marking/Tagging in 2023

Fish Hatchery	Species	Release Site	Marks & Tags				
			AD	AD/CWT	CWT	PBT Only	Total
Clearwater	Spring Chinook Salmon	Clear Creek	620,000	120,000			740,000
	Spring Chinook Salmon	Lower Selway R.	155,000	120,000	136,000		411,000
	Spring Chinook Salmon	NF Clearwater	490,000	120,000			610,000
	Summer Chinook Salmon	Powell Pond	20,000	120,000	120,000	200,000	460,000
	Spring Chinook Salmon	Red River Pond	1,010,000	120,000			1,130,000
Clearwater Total			2,295,000	600,000	256,000	200,000	3,351,000
McCall	Summer Chinook Salmon	S.F. Salmon R. (Integrated)			130,000		130,000
	Summer Chinook Salmon	S.F. Salmon R. (Segregated)	800,000	120,000			920,000
McCall Total			800,000	120,000	130,000	0	1,050,000
Pahsimeroi	Summer Chinook Salmon	Pahsimeroi R. (Integrated)			65,000		65,000
	Summer Chinook Salmon	Pahsimeroi R. (Segregated)	910,000	120,000			1,030,000
Pahsimeroi Total			910,000	120,000	65,000	0	1,095,000
Rapid River	Spring Chinook Salmon	Hells Canyon	350,000				350,000
	Spring Chinook Salmon	Little Salmon	150,000				150,000
	Spring Chinook Salmon	Rapid River	2,680,000	120,000			2,800,000
Rapid River Total			3,180,000	120,000	0	0	3,300,000
Sawtooth	Spring Chinook Salmon	Sawtooth weir (Integrated)			163,000		163,000
	Spring Chinook Salmon	Sawtooth weir (Segregated)	1,400,000	120,000			1,520,000
	Spring Chinook Salmon	Yankee Fork	193,000	120,000			313,000
Sawtooth Total			1,593,000	240,000	163,000	0	1,996,000
Springfield	Sockeye Salmon	Upper Salmon R. & Redfish Lake Cr.	1,000,000				1,000,000
Grand Total			9,778,000	1,200,000	614,000	200,000	11,792,000

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 2023 Steelhead- Marking/Tagging in 2023

		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 – 2023 Planned Releases of Hatchery Fish – by Mark and Tag Status

Production in italics will be released and reported by another agency

31-Mar-23

Hatchery	Species/Run	Stock	CWT+AD	CWT only	AD only	None	Total
Spring Creek NFH	Fall Chinook	Spring Creek	405,000	405,000	8,690,000	0	9,500,000
Little White Salmon NFH	URB Chinook	Little White Salmon	200,000	200,000	4,100,000	0	4,500,000
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+	188,000	0	0	0	188,000
Warm Springs NFH	Spring Chinook	Wild - 1+	0	0	0	37,000	37,000
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	2,750,000	2,750,000
Livingston Stone NFH	Winter Chinook	Sacramento	730,000	0	0	0	730,000
Livingston Stone NFH	Winter Chinook	Sacramento	180,000	0	0	0	180,000
Makah NFH	Fall Chinook	Tsoo-Yess R.	200,000	0	1,500,000	0	1,700,000
Chinook Total	Ad-clipped % = 71%		7,575,500	705,000	23,640,000	12,212,000	44,132,500
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>30,000</i>	<i>0</i>	<i>245,000</i>	<i>275,000</i>
<i>Eagle Creek NFH</i>	<i>Coho</i>	<i>Clearwater River - 1+</i>	<i>0</i>	<i>30,000</i>	<i>0</i>	<i>245,000</i>	<i>275,000</i>
<i>Eagle Creek NFH</i>	<i>Coho</i>	<i>Eagle Creek/Yakima R. - 1+</i>	<i>0</i>	<i>0</i>	<i>500,000</i>	<i>0</i>	<i>500,000</i>
<i>Willard NFH</i>	<i>Coho</i>	<i>Wenatchee R. - 1+</i>	<i>0</i>	<i>550,000</i>	<i>0</i>	<i>540,000</i>	<i>1,090,000</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>420,000</i>	<i>0</i>	<i>0</i>	<i>420,000</i>
Makah NFH	Coho	Cook Creek - 1+	106,000	0	0	0	106,000
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 % = 45%		291,000	1,595,000	2,050,000	1,288,000	5,224,000
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			8,266,500	2,300,000	28,395,000	15,700,000	54,661,500

Template for 2022 Mass Marking Proposals

Mass Marking Proposal ID #

Date Received

A. PROPOSAL TITLE:

WDFW / TRIBAL – COASTAL CHINOOK MASS MARKING 2023
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This template is intended for proposals to mark any Chinook or Coho Salmon release group(s) from a hatchery or hatchery complex where the fish are marked with an adipose clip and the fish are expected to be intercepted in Pacific Salmon Commission (PSC) fisheries.

Is the proposal:

<input type="checkbox"/>	New
<input checked="" type="checkbox"/>	A continuation of a previous proposal

B. CONTACT INFORMATION

Proposing Agency	Washington Department of Fish and Wildlife	
Contact Person	Jill Cady	
Mailing Address	P.O. Box 43200, Olympia, WA 98504-3200, MS: 43150	
Phone Number	360 902-2406	
Fax	360 902-2153	
Email	Jill.Cady@dfw.wa.gov	

C. PROPOSAL DETAILS

Purpose of Proposed Mass Marking

- The intent of this mass marking program is to provide a basis for estimating the contribution of hatchery produced fish to fisheries and escapement and to provide a basis for mark selective fisheries directed at hatchery populations. In addition, the mass marking of fall chinook at Forks Creek Hatchery is to allow an integrated hatchery management approach to be implemented
- This proposal is similar to last year's proposal.
- Mark selective fisheries (MSFs) directed at these stocks are proposed this year for the coastal recreational and commercial fisheries (Area 1-4). In addition, these fish will be targeted for MSFs in Willapa Bay and associated tributaries. Fish of this brood (2021) will begin to recruit to fisheries in 2024.

d. Proposed Marking and Tagging Levels

Mass marking and DIT information for WDFW, Tribal and cooperative WDFW-Tribal programs is provided in Table 1.

e. Concerns Regarding the Proposal

- a. None known.
- b. Some general concerns have been identified by the SFEC related to the lack of interagency coordination with CWT sampling methodologies and mass marking / double index tagging of Chinook salmon.

WDFW and TRIBAL COASTAL CHINOOK MASS MARKING and CODED-WIRE TAGGING 2023

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)
			Ad Clipped	Unclipped	Ad Clipped	Unclipped			
Tribal	SolDuc	SolDuc summers 0+	70,000			0	70,000	Y	Y
Tribal/WDFW	SolDuc	SolDuc summers 1+	80,000	0	325,000	0	405,000	Y	Y
Tribal	Bear Springs	SolDuc spring/summers 0+	0	70,000	0	0	70,000	N	N
Tribal	Bear Springs	SolDuc spring/summers 1+	0	80,000	0	0	80,000	N	N
WDFW/SRKW	SolDuc/Bear Springs	SolDuc summers 0+	0	0	525,000	0	525,000	Y	Y
Tribal	Salmon River	Queets River falls	200,000	0	0	0	200,000	Y	Y
Tribal	Quinault Lake*	Quinault River falls	200,000	200,000	800,000	0	1,200,000	Y	Y
WDFW	Humptulips	Humptulips River falls	200,000	0	300,000	0	500,000	Y	Y
WDFW	Lake Aberdeen	Van Winkle Creek falls	0	0	50,000	0	50,000	Y	Y
WDFW	Bingham Creek	Satsop River falls	0	0	200,000	0	200,000	Y	Y
WDFW	Satsop Springs	Satsop River falls	0	0	300,000	0	300,000	Y	Y
WDFW	Forks Creek	Willapa River falls	100,000	0	300,000	0	400,000	Y	Y
WDFW	Nemah*	Nemah River falls	200,000	200,000	2,900,000	0	3,300,000	Y	Y
WDFW/SRKW	Naselle	Naselle River falls	200,000	0	4,800,000	0	5,000,000	Y	Y
Total			1,250,000	550,000	10,500,000	-	12,300,000		
Total Chinook Production					12,300,000				
Percent Marked					96%				

* DIT

Template for 2023 Mass Marking Proposals

Mass Marking Proposal ID #

Date Received

A. PROPOSAL TITLE:

WDFW / TRIBAL – COASTAL COHO MASS MARKING 2023

This template is intended for proposals to mark any Chinook or Coho Salmon release group(s) from a hatchery or hatchery complex where the fish are marked with an adipose clip and the fish are expected to be intercepted in Pacific Salmon Commission (PSC) fisheries.

Is the proposal:

<input type="checkbox"/>	New
<input checked="" type="checkbox"/>	A continuation of a previous proposal

B. CONTACT INFORMATION

Proposing Agency	Washington Department of Fish and Wildlife
Contact Person	Jill Cady
Mailing Address	P.O. Box 43200, Olympia, WA 98504-3200, MS: 43150
Phone Number	360 902-2819
Fax	360 902-2153
Email	Jill.Cady@dfw.wa.gov

C. PROPOSAL DETAILS

1. Purpose of Proposed Mass Marking

- The intent of this mass marking program is to provide a basis for estimating the contribution of hatchery produced fish to fisheries and escapement and to provide a basis for mark selective fisheries directed at hatchery populations.
- This proposal is similar to last year's proposal.
- Mark selective fisheries directed on these mass marked stocks are being proposed in recreational and non-Indian troll fisheries in Pacific Ocean waters off the Washington coast (Areas 1-4). In addition, these fish will be targeted for MSFs in Willapa Bay, Grays Harbor and associated tributaries. Fish of this brood (2021) will recruit to fisheries in 2024.

2. Proposed Marking and Tagging Levels

Mass marking and DIT information for WDFW, Tribal and cooperative WDFW-Tribal programs is provided in Table 1.

3. Concerns Regarding the Proposal

- a. None known.
- b. Some general concerns have been identified by the SFEC related to mass marking of coho salmon, mostly related to the ability to completely sample all fisheries and spawning areas with electronic detection equipment

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)
			Ad Clipped	Unclipped	Ad Clipped	Unclipped			
WDFW	Bingham Creek	Satsop lates	0		150,000	0	150,000	Y	Y
WDFW	Bingham Creek *	Satsop River	75,000	75,000	300,000	0	450,000	Y	Y
WDFW	Carlisle Lake	Satsop River	0	0	50,000	0	50,000	Y	Y
WDFW	Carlisle Lake	Satsop lates	0	0	50,000	0	50,000	Y	Y
WDFW	Eight Creek	Satsop lates	0	0	100,000	0	100,000	Y	Y
WDFW	Forks Creek	Willapa lates	0	0	100,000	0	100,000	Y	Y
WDFW/SRKW	Forks Creek	Forks Creek	45,000	0	155,000	0	200,000	Y	Y
WDFW	Forks Creek *	Willapa River	75,000	75,000	250,000	0	400,000	Y	Y
WDFW	Friends Landing	Satsop River	0	0	25,000	0	25,000	Y	Y
WDFW	Humptulips	Humptulips lates	0	0	100,000	0	100,000	Y	Y
WDFW/SRKW	Humptulips	Humptulips	45,000		855,000		900,000	Y	Y
WDFW	Lake Aberdeen	Van Winkle Creek	0	0	30,000	0	30,000	Y	Y
WDFW	Mayr Brothers	Wishkah River	0	0	300,000	0	300,000	Y	Y
WDFW	Naselle	Naselle River	0	0	1,200,000	0	1,200,000	Y	Y
WDFW	Naselle	Naselle River lates	0	0	200,000	0	200,000	Y	Y
Tribal	Salmon River *	Salmon River	75,000	75,000	500,000	0	650,000	Y	Y
WDFW	Satsop Springs	Satsop River	0	0	450,000	0	450,000	Y	Y
WDFW	Skookumchuck	Satsop River	0	0	50,000	0	50,000	Y	Y
WDFW	Skookumchuck	Satsop lates	0	0	50,000	0	50,000	Y	Y
WDFW	Noel Cole Pond (23)	Satsop lates	0	0	25,000	0	25,000	Y	Y
WDFW	Solduc	Solduc summers	100,000	0	0	0	100,000	Y	Y
WDFW	Solduc *	Solduc falls	75,000	75,000	350,000	0	500,000	Y	Y
WDFW	Westport Net Pens	Satsop River	0	0	100,000	0	100,000	Y	Y
WDFW	Westport Net Pens	Satsop River lates	55,000	0	0	0	55,000	Y	Y
	Total		545,000	300,000	5,390,000	0	6,235,000		
		Total Marked	5,935,000						
		Total Percentage Marked		95%					

Template for 2023 Mass Marking Proposals

Mass Marking Proposal ID #

Date Received

A. PROPOSAL TITLE:

WDFW / TRIBAL – COLUMBIA RIVER CHINOOK MASS MARKING 2023

This template is intended for proposals to mark any Chinook or Coho Salmon release group(s) from a hatchery or hatchery complex where the fish are marked with an adipose clip and the fish are expected to be intercepted in Pacific Salmon Commission (PSC) fisheries.

Is the proposal:

<input type="checkbox"/>	New
<input checked="" type="checkbox"/>	A continuation of a previous proposal

B. CONTACT INFORMATION

Proposing Agency	Washington Department of Fish and Wildlife
Contact Person	Jill Cady
Mailing Address	P.O. Box 43200, Olympia, WA 98504-3200, MS: 43150
Phone Number	360 902-2819
Fax	360 902-2153
Email	Jill.Cady@dfw.wa.gov

C. PROPOSAL DETAILS

1. Purpose of Proposed Mass Marking

- The intent of this mass marking program is to provide a basis for estimating the contribution of hatchery produced fish to fisheries and escapement and to provide a basis for mark selective fisheries directed at hatchery populations.
- This proposal is similar to last year's proposal.
- Mark selective fisheries in the Columbia River directed at spring, summer and fall Chinook stocks are proposed. In addition, these fish may contribute to MSFs along the Washington coast. Fish of this brood (2021) will recruit to fisheries starting in 2024.

2. Proposed Marking and Tagging Levels

Mass marking and DIT information for WDFW, Tribal and cooperative WDFW-Tribal programs is provided in Table 1.

D. Concerns Regarding the Proposal

- a. None known.
- b. Some general concerns have been identified by the SFEC related to the lack of interagency coordination with CWT sampling methodologies and mass marking / double index tagging of Chinook salmon.

Table 1.

WDFW and TRIBAL COLUMBIA RIVER CHINOOK MASS MARKING and CODED-WIRE TAGGING 2023

Species: Chinook

Area: Columbia River

Brood: 2021/2022

Release Year: 2023 and 2024

Data from 2022 Future Brood Document

10/12/2022

			Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)
Agency	Hatchery	Stock	Ad Clipped	Unclipped	Ad Clipped	Unclipped			
WDFW	Ringold **	URBs	450,000	0	4,050,000	0	4,500,000	Y	Y
WDFW	Priest Rapids	Priest Rapids - URBs	600,000	600,000	2,700,000	3,399,543	7,299,543	Y	Y
Tribal	Hanford Reach	Hanford - Wild	200,000	0	0	0	200,000	Y	Y
URB Total			1,250,000	600,000	6,750,000	3,399,543	11,999,543		
WDFW	Lyons Ferry	Lyons Ferry - Falls	200,000	0	0	0	200,000	Y	Y
WDFW	Lyons Ferry	Lyons Ferry - Falls 1+	450,000	0	500,000	0	950,000	Y	Y
Snake Total			650,000	0	500,000	0	1,150,000		
WDFW	Cowlitz	Cowlitz - Falls	125,000	0	3,375,000	0	3,500,000	Y	Y
WDFW	N Toutle	Toutle - Falls	100,000	0	1,000,000	0	1,100,000	Y	Y
WDFW	Fallert Creek	Kalama - Falls	100,000	0	2,500,000	0	2,600,000	Y	Y
WDFW	Washougal	Washougal - Falls	100,000	0	1,100,000	0	1,200,000	Y	Y
Tule Total			425,000	0	7,975,000	0	8,400,000		
WDFW	Lewis River	Lewis River - Falls (wild)	100,000	0	0	0	100,000	N	Y

		Below Bonneville Indicator	100,000	0	0	0	100,000		
WDFW	Dryden Pond	Wenatchee - summers 1+	500,001	0	0	0	500,001	Y	Y
WDFW	Wells	Wells - summers	484,000	0	1,000,000	0	1,484,000	Y	Y
WDFW	Wells	Wells - summers 1+	320,000	0	0	0	320,000	Y	Y
WDFW	Carlton Pond	Methow / Okanogan - summers 1+	200,000	0	0	0	200,000	Y	Y
WDFW	Similkameen Pond	Methow / Okanogan - summers 1+	250,000	0	0	0	250,000	Y	Y
		Summer Chinook Total	1,754,001	0	1,000,000	0	2,754,001		
WDFW	Kalama Falls - (to ODFW)	Kalama (Tanner Creek) - Falls	200,000	0	800,000	0	1,000,000	Y	Y
Tribal	Klickitat	Klickitat - falls	450,000	0	3,600,000	0	4,050,000	Y	Y
		Fall Chinook Total	650,000	0	4,400,000	0	5,050,000		
WDFW	Cowlitz	Cowlitz - springs fall release	100,000	0	400,000	0	500,000	Y	Y
WDFW	Cowlitz	Cowlitz - springs 1+	200,000	0	1,038,529	0	1,238,529	Y	Y
WDFW	Friends of the Cowlitz	Cowlitz - springs 1+	-	0	55,000	0	55,000	Y	Y
WDFW	Fallert Creek	Kalama - springs 1+	125,000	0	375,000	0	500,000	Y	Y
WDFW	Lewis River*	Lewis River - springs 1+	150,000	150,000	1,000,000	0	1,300,000	Y	Y
Tribal	Klickitat	Klickitat - springs 1+	200,000	0	400,000	0	600,000	Y	Y
Tribal	Cle Elum	Cle Elum - spring	810,000	0	0	0	810,000	Y	Y
WDFW	Tucannon	Tucannon - springs 1+	225,000	0	0	0	225,000	Y	Y
WDFW	Chiwawa Pond	Chiwawa - springs 1+	144,000	0	0	0	144,000	Y	Y
WDFW	Nason Creek	Nason Creek - springs 1+	98,670	125,000	0	0	223,670	Y	NA
WDFW	Methow	Methow - springs 1+	0	110,000	0	0	110,000	NA	NA
Tribal	Goat Wall Acclimation Site	Methow - springs 1+	0	25,000	0	0	25,000	NA	NA
WDFW	Twisp	Twisp - springs 1+	0	30,000	0	0	30,000	NA	NA
WDFW	Chewuch Acclimation Pond	Methow - springs 1+	0	60,000	0	0	60,000	NA	NA
		Total Spring Chinook	2,052,670	500,000	3,268,529	0	5,821,199		
		Total Coho Production	5,821,199						
		Percent Marked	91%						

Template for 2023 Mass Marking Proposals

Mass Marking Proposal ID #

Date Received

A. PROPOSAL TITLE:

WDFW / TRIBAL – COLUMBIA RIVER COHO MASS MARKING 2023
--

This template is intended for proposals to mark any Chinook or Coho Salmon release group(s) from a hatchery or hatchery complex where the fish are marked with an adipose clip and the fish are expected to be intercepted in Pacific Salmon Commission (PSC) fisheries.

Is the proposal:

<input type="checkbox"/>	New
<input checked="" type="checkbox"/>	A continuation of a previous proposal

B. CONTACT INFORMATION

Proposing Agency	Washington Department of Fish and Wildlife
Contact Person	Jill Cady
Mailing Address	P.O. Box 43200, Olympia, WA 98504-3200, MS: 43150
Phone Number	360 902-2406
Fax	360 902-2153
Email	Jill.Cady@dfw.wa.gov

C. PROPOSAL DETAILS

1. Purpose of Proposed Mass Marking

- The intent of this mass marking program is to provide a basis for estimating the contribution of hatchery produced fish to fisheries and escapement and to provide a basis for mark selective fisheries directed at hatchery populations.
- This proposal is similar to last year's proposal.
- Mark selective fisheries directed on these mass marked coho stocks are being proposed in the Columbia River. These fish may also contribute to recreational and non-Indian troll fisheries in Pacific Ocean waters off the Washington coast (Areas 1-4B). Fish of this brood (2021) will recruit to fisheries in 2024.

2. Proposed Marking and Tagging Levels

Mass marking and DIT information for WDFW, Tribal and cooperative WDFW-Tribal programs is provided in Table 1.

3. Concerns Regarding the Proposal

- a. None known.
- b. Some general concerns have been identified by the SFEC related to mass marking of coho salmon, mostly related to the ability to completely sample all fisheries and spawning areas with electronic detection equipment

Table 1.

WDFW and TRIBAL COLUMBIA RIVER COHO MASS MARKING and CODED-WIRE TAGGING 2022

Species: Coho

Area: Columbia River

Brood: 2021

Release Year: 2023 and 2024

Data from 2022 Future Brood Document

10/12/2022

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)
			Ad Clipped	Unclipped	Ad Clipped	Unclipped			
WDFW	Deep River Net Pens	Elochoman River - Type N	45,000	0	655,000	0	700,000	Y	Y
WDFW	Beaver Creek Hatchery	Elochoman River - Type N	45,000	0	180,000	0	225,000	Y	Y
WDFW	Cowlitz	Cowlitz - Type N	0	0	1,200,000	0	1,200,000	Y	Y
WDFW	Cowlitz	Cowlitz - Type N (wild)	978,000	0	0	0	978,000	Y	Y
WDFW	N Toutle	Toutle - Type S	45,000	0	45,000	0	90,000	Y	Y
WDFW	Kalama Falls	Kalama Falls - Type N	45,000	0	255,000	0	300,000	Y	Y
WDFW	Lewis River*	Lewis River - Type S	75,000	75,000	950,000	0	1,100,000	Y	Y
WDFW	Lewis River*	Lewis River - Type N	75,000	75,000	750,000	0	900,000	Y	Y
WDFW	Ringold Springs	Kalama River - Type N	50,000		200,000	0	250,000	Y	Y
WDFW	Washougal (Klickitat release)	Lewis & Washougal - Type N	70,000	0	2,430,000	0	2,500,000	Y	Y
WDFW	Washougal	Washougal - Type N	45,000	0	63,000	0	108,000	Y	Y
Tribal	Klickitat	Lewis - Type N	45,000	0	955,000	0	1,000,000	Y	Y
Tribal	Beaver Creek Acclimation Pond	Mid-Columbia Type S	0		0	100,000	100,000	NA	NA
Tribal	Butcher Pond	Mid-Columbia Type S	0		0	130,000	130,000	NA	NA
Tribal	Twisp Acclimation Pond	Mid-Columbia Type S	0	30,000	0	0	30,000	NA	NA
Total			1,518,000	180,000	7,683,000	230,000			
Total Coho Production			9,611,000						

*	DIT group	Percent Marked	96%
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Template for 2023 Mass Marking Proposals

Mass Marking Proposal ID #

Date Received

A. PROPOSAL TITLE:

WDFW / TRIBAL – PUGET SOUND CHINOOK MASS MARKING 2023
--

This template is intended for proposals to mark any Chinook or Coho Salmon release group(s) from a hatchery or hatchery complex where the fish are marked with an adipose clip and the fish are expected to be intercepted in Pacific Salmon Commission (PSC) fisheries.

Is the proposal:

<input type="checkbox"/>	New
<input checked="" type="checkbox"/>	A continuation of a previous proposal

B. CONTACT INFORMATION

Proposing Agency	Washington Department of Fish and Wildlife
Contact Person	Jill Cady
Mailing Address	P.O. Box 43200, Olympia, WA 98504-3200, MS: 43150
Phone Number	360 902-2819
Fax	360 902-2153
Email	Jill.Cady@dfw.wa.gov

C. PROPOSAL DETAILS

1. Purpose of Proposed Mass Marking

- The intent of this mass marking program is to provide a basis for estimating the contribution of hatchery produced fish to fisheries and escapement and to provide a basis for mark selective fisheries directed at hatchery populations.
- This proposal is similar to last year's proposal.
- Mark selective fisheries directed on these mass marked stocks are being proposed for recreational fisheries within Puget Sound and selected tributaries. These fish may also contribute to recreational and commercial MSFs along the Washington coast. Fish of this brood (2021) will recruit to fisheries starting in 2024.

2. Proposed Marking and Tagging Levels

Mass marking and DIT information for WDFW, Tribal and cooperative WDFW-Tribal programs is provided in Table 1.

3. Concerns Regarding the Proposal

- a. None known.
- b. Some general concerns have been identified by the SFEC related to the lack of interagency coordination with CWT sampling methodologies and mass marking / double index tagging of Chinook salmon.

Table 1.

WDFW and TRIBAL PUGET SOUND CHINOOK MASS MARKING and CODED-WIRE TAGGING 2023

Species: Chinook

Area: Puget Sound

Brood: 2021/2022

Releases: 2023 and 2024

Data from 2022 Future Brood Document

10/12/2022

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)
			Ad Clipped	Unclipped	Ad Clipped	Unclipped			
WDFW	Kendall Creek	NF Nooksack springs	200,000	1,100,000	-	-	1,300,000	Y	Y
Tribal	Skookum Creek	SF Nooksack springs	200,000	800,000	-	-	1,000,000	Y	Y
Tribal	Lummi Bay Sea Ponds	NF Nooksack springs	100,000	-	400,000	-	500,000	Y	Y
WDFW	Marblemount *	Cascade River springs 0+	377,500	300,000	110,000	-	787,500	Y	Y
WDFW	Marblemount *	Cascade River springs 1+	100,000	100,000	200,000	-	400,000	Y	Y
WDFW	Hupp Springs	White River springs	-	500,000	-	-	500,000	Y	Y
WDFW/Tribal	Puyallup Clarks Creek (White R Acc Ponds)	White River springs	-	-	-	800,000	800,000	N	N
Tribal	White River	White River springs	-	600,000	-	-	600,000	N	N
Tribal	White River	White River springs 1+	-	55,000	-	-	55,000	N	N
WDFW	Dungeness	Dungeness River springs – Captive Brood (Also Vent Clipped)	-	400,000	-	-	400,000	NA	NA

WDFW	Dungeness	Dungeness River springs	-	50,000	-	-	50,000	NA	NA
WDFW	Hurd Creek	Dungeness River springs 1+	-	50,000	-	-	50,000	NA	NA
WDFW	Graywolf Acclimation	Dungeness River springs 0+	-	50,000	-	-	50,000	NA	NA
WDFW	Upper Dungeness Acc Pond	Dungeness River springs 0+	-	50,000	-	-	50,000	NA	NA
TacPow	NF Skokomish	Skagit River 0+	-	365,000	-	-	365,000	NA	NA
TacPow	NF Skokomish	Skagit River 1+	-	80,000	-	-	80,000	NA	NA

Total spring chinook

977,500

4,500,000

710,000

800,000

6,987,500

Percent Marked

24%

WDFW	Marblemount	Skagit River summers	200,000	-	-	-	200,000	Y	Y
Tribal	Whitehorse	NF Stillaguamish River summers	220,000	-	-	-	220,000	Y	Y
Tribal	Bernie Gobin	Skykomish River summers	300,000	100,000	4,000,000	-	4,400,000	Y	Y
WDFW	Wallace River*	Skykomish River summers	570,000	200,000	1,462,000	-	2,232,000	Y	Y
WDFW	Wallace River	Skykomish River summers 1+	300,000		300,000	-	600,000	Y	Y

Total summer chinook

1,590,000

300,000

5,762,000

-

7,652,000

Percent Marked

96%

WDFW	Glenwood Springs	Glenwood Springs falls 0+	100,000	-	700,000	-	800,000	Y	Y
WDFW	Whatcom Creek	Samish River (Friday Creek) falls	50,000	-	450,000		500,000	Y	Y
WDFW	Samish*	Samish River falls	200,000	200,000	5,600,000	-	6,000,000	Y	Y
Tribal	Brenner Creek	SF Stillaguamish	200,000		-	-	200,000	NA	NA
WDFW	Soos Creek*	Big Soos Creek falls	200,000	1,200,000	2,800,000	-	4,200,000	Y	Y

WDFW/Tribal	Palmer	Big Soos Creek falls	-	-	2,000,000	4,000,000	2,000,000	Y	Y
WDFW	Icy Creek	Big Soos Creek falls 1+	200,000	-	100,000	-	300,000	Y	Y
WDFW	Issaquah	Issaquah Creek falls	200,000	-	2,800,000	-	3,000,000	Y	Y
WDFW	Minter Creek	Minter Creek falls 0+	300,000	-	1,350,000	-	1,650,000	Y	Y
Tribal	Gorst Creek+	Grovers Creek falls	200,000	-	700,000	-	900,000	Y	Y
Tribal	Gorst Creek+	Minter Creek falls	200,000	-	700,000	-	900,000	Y	Y
Tribal	Grovers Creek*	Grovers Creek falls	200,000	200,000	50,000	-	450,000	Y	Y
Tribal	Clarks Creek	Puyallup River falls	100,000	-	920,000	-	1,020,000	Y	Y
Tribal	Wilkeson Creek	Puyallup River falls	100,000	-	400,000	-	500,000	Y	Y
WDFW	Voights Creek	Voights Creek falls	200,000	-	1,400,000	-	1,600,000	Y	Y
WDFW	Garrison Springs	Garrison Springs falls	300,000	-	650,000	-	950,000	Y	Y
Tribal	Clear Creek *	Clear Creek falls	300,000	200,000	3,000,000	-	3,500,000	Y	Y
Tribal	Kalama Creek	Kalama Creek falls	100,000	-	500,000	-	600,000	Y	Y
WDFW	Tumwater Falls	Deschutes River falls	200,000	-	3,600,000	-	3,800,000	Y	Y
WDFW/Tribal	George Adams *	George Adams falls	225,000	425,000	3,150,000	-	3,800,000	Y	Y
WDFW	McKernan	Skokomish River	-	100,000	-	-	100,000	Y	Y
WDFW	Hoodsport	Hoodsport falls	300,000	-	2,700,000	-	3,000,000	Y	Y
WDFW	Hoodsport	Hoodsport falls 1+	100,000	-	20,000	-	120,000	Y	Y
WDFW	Elwha	Elwha River falls	250,000	-	-	2,250,000	2,500,000	NA	NA
WDFW	Elwha	Elwha River falls 1+	-	200,000	-	-	200,000	NA	NA
Tribal	Hoko Falls	Hoko River falls	200,000	-	-	220,000	420,000	Y	Y

* = DIT Group

+= Funding Dependent. If no PSRFE funding will be 100k ad only

Total fall chinook	4,425,000	2,525,000	33,590,000	2,470,000	43,010,000
Percent Marked	88%				
Total	6,992,500	7,325,000	40,062,000	3,270,000	57,649,500
Total Chinook Production			57,649,500		
Percent Marked			82%		

Template for 2023 Mass Marking Proposals

Mass Marking Proposal ID #

Date Received

A. PROPOSAL TITLE:

WDFW / TRIBAL – PUGET SOUND COHO MASS MARKING 2023

This template is intended for proposals to mark any Chinook or Coho Salmon release group(s) from a hatchery or hatchery complex where the fish are marked with an adipose clip and the fish are expected to be intercepted in Pacific Salmon Commission (PSC) fisheries.

Is the proposal:

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C. PROPOSAL DETAILS

1. Purpose of Proposed Mass Marking

- The intent of this mass marking program is to provide a basis for estimating the contribution of hatchery produced fish to fisheries and escapement and to provide a basis for mark selective fisheries directed at hatchery populations.
- This proposal is similar to last year's proposal.
- Mark selective fisheries directed on these mass marked stocks are being proposed for recreational fisheries within Puget Sound and selected tributaries. These fish may also contribute to recreational and commercial MSFs along the Washington coast. Fish of this brood (2021) will recruit to fisheries starting in 2024.

2. Proposed Marking and Tagging Levels

Mass marking and DIT information for WDFW, Tribal and cooperative WDFW-Tribal programs is provided in Table 1.

3. Concerns Regarding the Proposal

- a. None known.
- b. Some general concerns have been identified by the SFEC related to mass marking of coho salmon, mostly related to the ability to completely sample all fisheries and spawning areas with electronic detection equipment

Table 1.

WDFW and TRIBAL PUGET SOUND COHO MASS MARKING and CODED-WIRE TAGGING 2023

Species: Coho
Area: Puget Sound
Brood: 2021
Release Year: 2023

10/12/2022

Data from 2022 Future Brood Document

Agency	Hatchery	Stock	Number of fish to be released with a CWT		Number of fish to be released without a CWT		Total Production	Proposed to be marked this year (Y/N)	Marked in previous year (Y/N)
			Ad Clipped	Unclipped	Ad Clipped	Unclipped			
WDFW	Baker Lake	Baker River	-	-	55,000	-	55,000	Y	Y
Tribal	Lummi Bay Sea Pens	Lummi Bay	50,000	-	950,000	-	1,000,000	Y	Y
Tribal	Skookum Creek	Skookum Creek	50,000	-	950,000	-	1,000,000	Y	Y
WDFW	Marblemount*	Skagit (Clark Creek)	45,000	45,000	410,000	-	500,000	Y	Y
WDFW	Oak Harbor Net Pen	Skagit (Clark Creek)	30,000	-	-	-	30,000	Y	Y
WDFW	Wallace River*	Skykomish (May Creek)	45,000	45,000	245,000	-	335,000	Y	Y
Tribal	Bernie Gobin	Skykomish (May Creek)	70,000	-	1,430,000	-	1,500,000	Y	Y
WDFW	NWSSC - Eagle Creek	Skykomish (May Creek)	-	-	54,000	-	54,000	Y	Y
WDFW	Everett Steelhead and Salmon	Skykomish (May Creek)	-	-	40,000	-	40,000	Y	Y
Tribal	Harvey Creek	Fortson Creek	200,000	-	-	-	200,000	Y	Y
WDFW	Issaquah	Issaquah Creek	-	-	450,000	-	450,000	Y	Y
WDFW	Soos Creek*	Green River (Soos Creek)	45,000	45,000	510,000	-	600,000	Y	Y
Tribal	Keta Creek / Crisp Creek	Green River (Soos Creek)	-	50,000	-	950,000	1,000,000	Y	Y
Tribal	Elliott Bay Net Pens	Green River (Soos Creek)	-	50,000	-	950,000	1,000,000	Y	Y
WDFW	TU- Des Moines (Trout Unlimited)	Green River (Soos Creek)	-	-	30,000	-	30,000	Y	Y
WDFW	Voights Creek*	Puyallup (Voights Creek)	45,000	45,000	690,000	-	780,000	Y	Y
WDFW/Tribal	Puyallup	Puyallup (Voights Creek)	50,000	-	250,000	-	300,000	Y	Y
Tribal	Puyallup Tribal (Rushing)	Puyallup (Voights Creek)	100,000	-	-	-	100,000	Y	Y

Tribal	Clarks Creek	Puyallup (Voights Creek)		-	100,000	-	100,000	Y	Y
Tribal	Agate Pass Sea Pens	Minter Creek	50,000	-	300,000	-	350,000	N	Y
WDFW	Minter Creek	Minter Creek	90,000	-	410,000	-	500,000	Y	Y
WDFW	SSNP	Skykomish (May Creek)	50,000	-	1,250,000	-	1,300,000	Y	Y
Tribal	Squaxin Pens	Skykomish (May Creek)	75,000	-	1,425,000	-	1,500,000	Y	Y
Tribal	Garrison Springs	Minter Creek	-	-	100,000	-	100,000	N	Y
Tribal	Kalama Creek	Kalama Creek	45,000	-	355,000	-	400,000	Y	Y
Tribal	Clear Creek	Kalama Creek	50,000	-	200,000	-	250,000	Y	Y
WDFW	George Adams*	George Adams (Purdy Creek)	45,000	45,000	210,000	-	300,000	Y	Y
Tribal	NF Skokomish	NF Skokomish	10,000			-	10,000	Y	Y
WDFW-Tribal	Port Gamble Net Pens	Big Quilcene River	45,000	-	480,000	-	525,000	Y	Y
WDFW	Dungeness	Dungeness	50,000	-	750,000	-	800,000	Y	Y
WDFW	Dungeness	Cooper Creek				2,000	2,000	NA	NA
Tribal	Lower Elwha *	Elwha River	75,000	75,000	275,000	-	425,000	Y	Y
Tribal	Hoko Falls	Hoko River	50,000	-	50,000	-	100,000	N	Y

* = DIT Group

Total	1,365,000	400,000	11,969,000	1,902,000	15,636,000
Total Coho Production	15,231,000				
Total Percent Marked	88%				

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RMIS REPORT

California

Chinook and Coho Coded Wire Tagging

Brood Year (BY) 2021 and projected BY 2022

Jason Azat

4/13/2023

Feather Hatchery

Chinook Fall

BY 2021 8,700,000 27%

BY 2022 8,800,000 27%

Chinook Spring

BY 2021 2,400,000 60%

BY 2022 2,300,000 100%

Merced Hatchery

Chinook Fall

BY 2021 90,000 100% CWT

BY 2022 1,000,000 25% CWT

Mokelumne Hatchery

Chinook Fall

By 2021 6,700,000 28% CWT

By 2022 7,000,000 28% CWT

Nimbus Hatchery

Chinook Fall

BY 2021 4,500,000 25% CWT

BY 2022 4,500,000 25% CWT

BY 2022 1,000,000 0% CWT, genetic

Iron Gate Hatchery

Chinook Fall

By 2021 5,200,000 46% CWT

By 2022 5,500,000 25% CWT

Trinity Hatchery

Chinook Fall

BY 2021 2,800,000 25% CWT

BY 2022 2,400,000 25% CWT

Chinook Spring

BY 2021 1,100,000 25% CWT

BY 2022 1,500,000 25% CWT

Coho Fall

BY 2021 250,000 100% CWT

BY 2022 190,000 100% CWT

Fisheries and Oceans Canada 2022 Tagging and Marking Plan

April 19, 2023

	Tagged		No Tag		Total Releases
	Ad-CWT	CWT only	AD-only	No Clip	
Chinook	6,675,000	-	17,410,000	18,260,000	42,345,000
Coho	1,195,000	-	5,235,000	3,139,230	9,569,230
Chum	-	-	100,000	94,122,835	94,222,835
Pink	-	-	-	11,680,000	11,680,000
Sockeye	95,000	-	1,423,000	230,867,500	232,385,500

Table 1. Planned releases for 2023 release year, including both 2021 and 2022 brood years.

	Tagged		No Tag		Total Released
	Ad-CWT	CWT only	AD-only	No Clip	
Chinook	4,823,086	-	4,427,683	27,385,255	36,636,024
Chum	-	-	144,171	38,560,580	38,704,751
Coho	1,065,316	-	3,630,942	1,977,437	6,673,695
Pink	-	-	-	8,805,708	8,805,708
Sockeye	19,923	-	719,194	219,746,078	220,485,195

Table 2. Releases in 2022 release year, including 2020 and 2021 brood years. (*Clipped with shed tags not included.*)

Indicator	Run	Number Tagged
Atnarko R Low	Summer	202,767
Atnarko R Up	Summer	205,495
Big Qualicum R	Fall	240,265
Cheakamus R	Summer	86,349
Chilko R	Summer	131,426
Chilliwack R	Fall	310,155
Cowichan R	Fall	258,405
Harrison R	Fall	295,118
Kitsum Abv Canyon	Summer	195,949
Nahmint R	Fall	49,698
Nicola R	Spring	110,743
Puntledge R	Fall	64,430
Puntledge R	Summer	44,165
Quinsam R	Fall	700,356
Robertson Cr	Fall	442,524
Shuswap R Low	Summer	368,053
Shuswap R Middle	Summer	169,026

Table 3. Chinook indicators tagged and clipped, released in 2022.

From: [Bill Bosch](#)
To: [Jim Longwill](#)
Cc: [Marianne McClure](#)
Subject: RE: Announcing RCMT Hybrid Meeting Hosted in Portland for 2023 Tuesday, March 21, 2023 1:51:42 PM
Date:

Hi Jim,

Here are approximate Yakama Nation Planned 2023 releases:

Yakima Basin

Spring Chinook: ~800,000-850,000 total release (89% CWT in snout, 11% CWT in post-dorsal)

Fall Chinook:

released from Prosser, approximately 1.6m subyearlings (LWS NFH transfers) and 210,000 yearlings (Bonneville Hatchery transfers)

Prosser URBs released from Prosser, ~430,000, 20% PIT, no CWT

Summer Chinook: ~500,000 Wells stock subyearlings released from Yakima R. acclimation sites, 100% CWT

Sockeye: natural-origin progeny of adult plants; minimal marking (PIT) at downstream juvenile sampling stations

Coho: ~0.5million total release from Prosser (adipose fin clip only) and about 189,400 release from Melvin Sampson facility near Ellensburg (no mark)

Mid-Columbia Coho: ~1.7million total release, 70% CWT, 100% PBT

Klickitat Basin

Spring Chinook: ~570,000 total release, ~25% CWT

Fall Chinook: ~5.3m total release, ~15% CWT

Coho:

Lewis stock released from Klick. Hatchery, ~1.1m, ~5% CWT

Washougal stock direct released in lower Klick. R., ~1.5m

Bill Bosch

Research and Data Coordinator

Yakima-Klickitat Fisheries Project

760 Pence Road

Yakima, WA 98908

509-945-5475

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