

2025

ANNUAL OPERATING PLAN
for
FISH PRODUCTION PROGRAMS
in the
CLEARWATER RIVER BASIN

by

U.S Fish and Wildlife Service

Idaho Department of Fish and Game

Nez Perce Tribe

March 13, 2025

Contents

0.	Preamble	2
1.	Summer Steelhead	3
1.1.	Timeline and Flowchart for Steelhead Production.....	4
1.2.	Releases in 2025 (Smolt BY 2024)	6
1.3.	Trap Operations and Production Planning for 2025 (Smolt BY 2025)	8
1.4.	Marking and Rearing Plan for 2025 (Smolt BY 2025)	10
2.	Spring/Summer Chinook	12
2.1.	Timeline and Flowchart for Spring/Summer Chinook Production	14
2.2.	Releases in 2025 (Smolt BY 2023, Pre-Smolt BY 2024).....	16
2.3.	Trap Operations and Production Planning for 2025 (Smolt and Pre-Smolt BY 2025)	20
2.4.	Early Rearing and Marking Plan for 2025 (Smolts BY 2024, Pre-Smolt BY2024)	27
3.	Coho Salmon	32
3.1.	Timeline and Flowchart for Coho Production	33
3.2.	Releases in 2025 (Smolt BY 2023)	35
3.3.	Trap Operations and Production Planning for 2025 (Smolt BY 2025)	37
3.4.	Early Rearing and Marking Plan for 2025 (Smolts BY 2024)	39
4.	Fall Chinook	41
4.1.	Timeline and Flowchart for Fall Chinook Production	42
4.2.	Releases in 2025 (Sub-Yearling BY 2024).....	44
4.3.	Trap Operations and Production Planning for 2025.....	46
4.4.	Early Rearing and Marking Plan for 2025 (Sub-Yearling BY 2024).....	47
5.	Lamprey.....	48
5.1.	Releases in 2025 - Narrative	48
5.2.	Trap Operations for 2025	49
6.	Appendices	50
6.1.	Clearwater Brood Calculators.....	50
6.2.	Sites, release numbers for adult Spring Chinook Salmon, when all Clearwater Basin Production Programs are above broodstock, harvest and C&S needs.*	52
6.3.	Proposed hatchery identifying marks for adult spring Chinook salmon outplanting in the Clearwater River. ..	53

0. Preamble

The Annual Operating Plan (AOP) meeting and AOP/SOP documents are planning, coordination and logistics tools that identify the expected implementation of a number of hatchery operation and research/monitoring activities for the coming year in a transparent, open manner.

It is the responsibility of all AOP parties to participate in AOP meetings, provide follow up information and assistance as requested or needed, and work in good faith to complete the AOP document within the timeframe agreed upon at the AOP coordination meeting. A finalized electronic version of the AOP will be available to all cooperating agencies and serve as the working version of the document.

If a disputed or incomplete item is identified at the AOP meeting and persists to the end of the agreed completion timeframe for finalizing the AOP documents, the AOP will be finalized without the disputed or incomplete section. However, parties to the dispute will add a placeholder in the document, so they can work toward resolution.

After the AOP is finalized, and based on unforeseen or unanticipated circumstances (e.g., lower than expected returns, loss of production, infrastructure issues as examples), changes or deviations from the AOP may be warranted. In those cases, there is an expectation that the lead agency that has identified the issue will communicate with the appropriate AOP parties, through the weekly coordination calls or by email, so they can work collaboratively to address it and/or work towards resolution. Implemented changes should be documented in writing by the lead agency and communicated, to ensure transparency and as documentation of the change. These changes should also be captured in various year-end reports.

1. Summer Steelhead

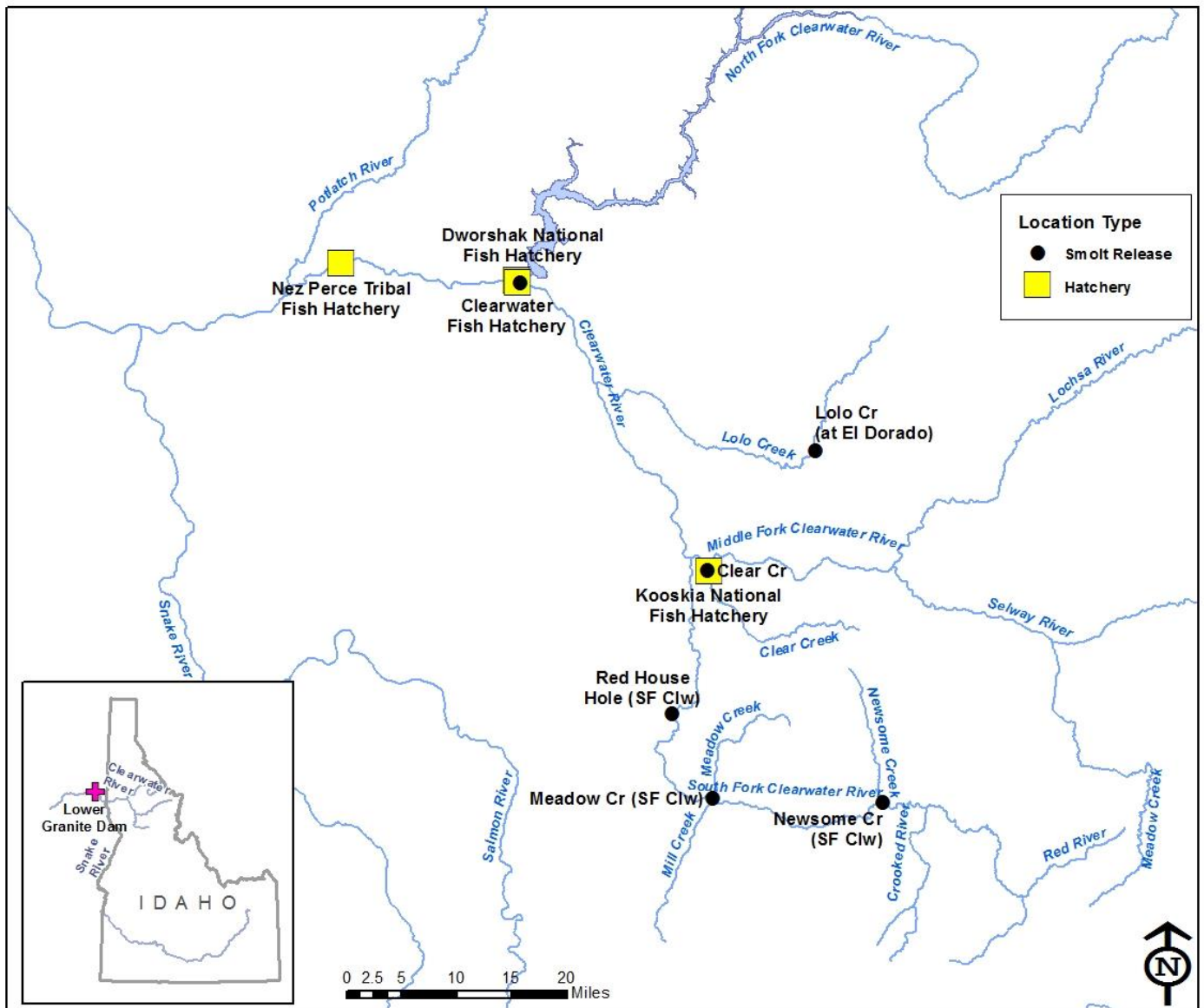


Figure 1.1. Steelhead trapping, hatchery facilities and smolt release locations. Table below gives smolt release goals by release site.

Table 1.1. BY 2024 Steelhead Release Goals for 2025.

Rearing Facility	Program	Brood Collection Site	Release Site	BY2024 Smolt Release Goals	Size (FPP)
DNFH	NF Clearwater	DNFH	DNFH	1,200,000	5.8
			Clear Creek	300,000	5.8
	SF Clearwater	SFClwR Angler (DNFH)	Lolo Creek	200,000	5.8
		SFClwR Angler (DNFH)	Red House Hole-SF Clw	400,000	5.8
Total				2,100,000	
CFH/DNFH	CFH	SFClwR Angler (DNFH)	Meadow Creek-SF Clw	501,000	4.5-6.0
			Red House Hole-SF Clw	219,000	4.5-6.0
			Newsome Creek-SF Clw	123,000	4.5-6.0
Total				843,000	
Grand Total				2,943,000	

1.1. Timeline and Flowchart for Steelhead Production

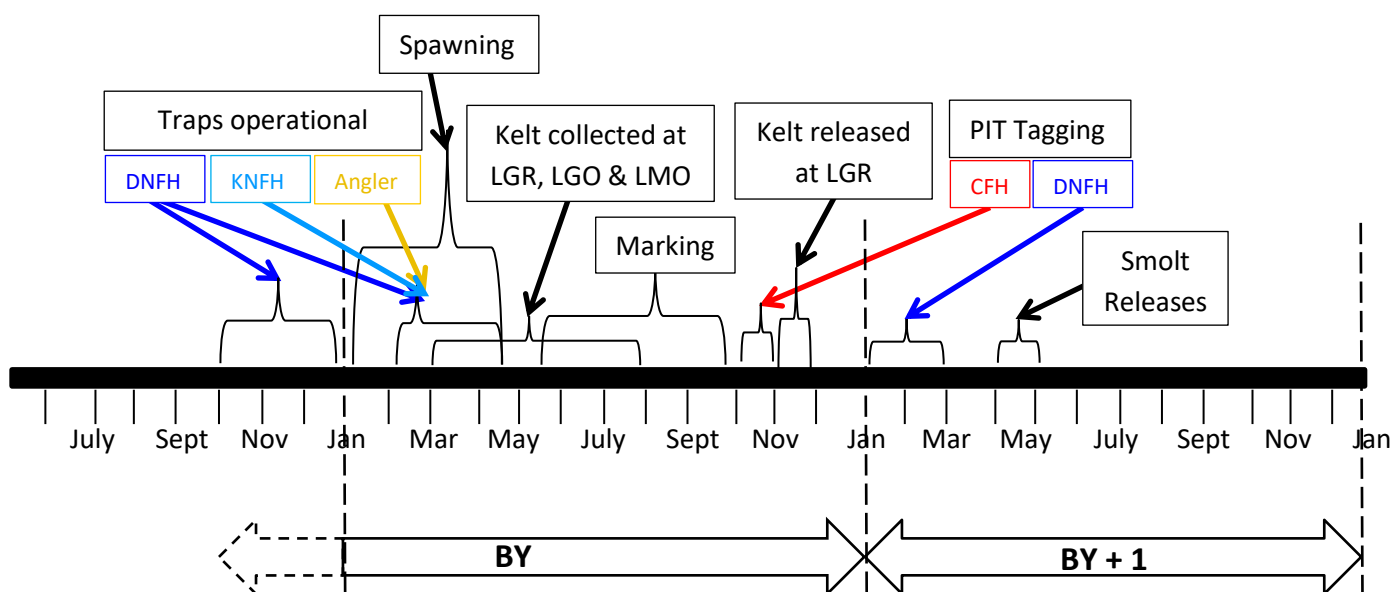


Figure 1.2. Timeline for Steelhead Production. Date ranges with black labels are shown to include all facilities' operations. Color-coded labels identify activities that have variability in timing for the different facilities.

STEELHEAD

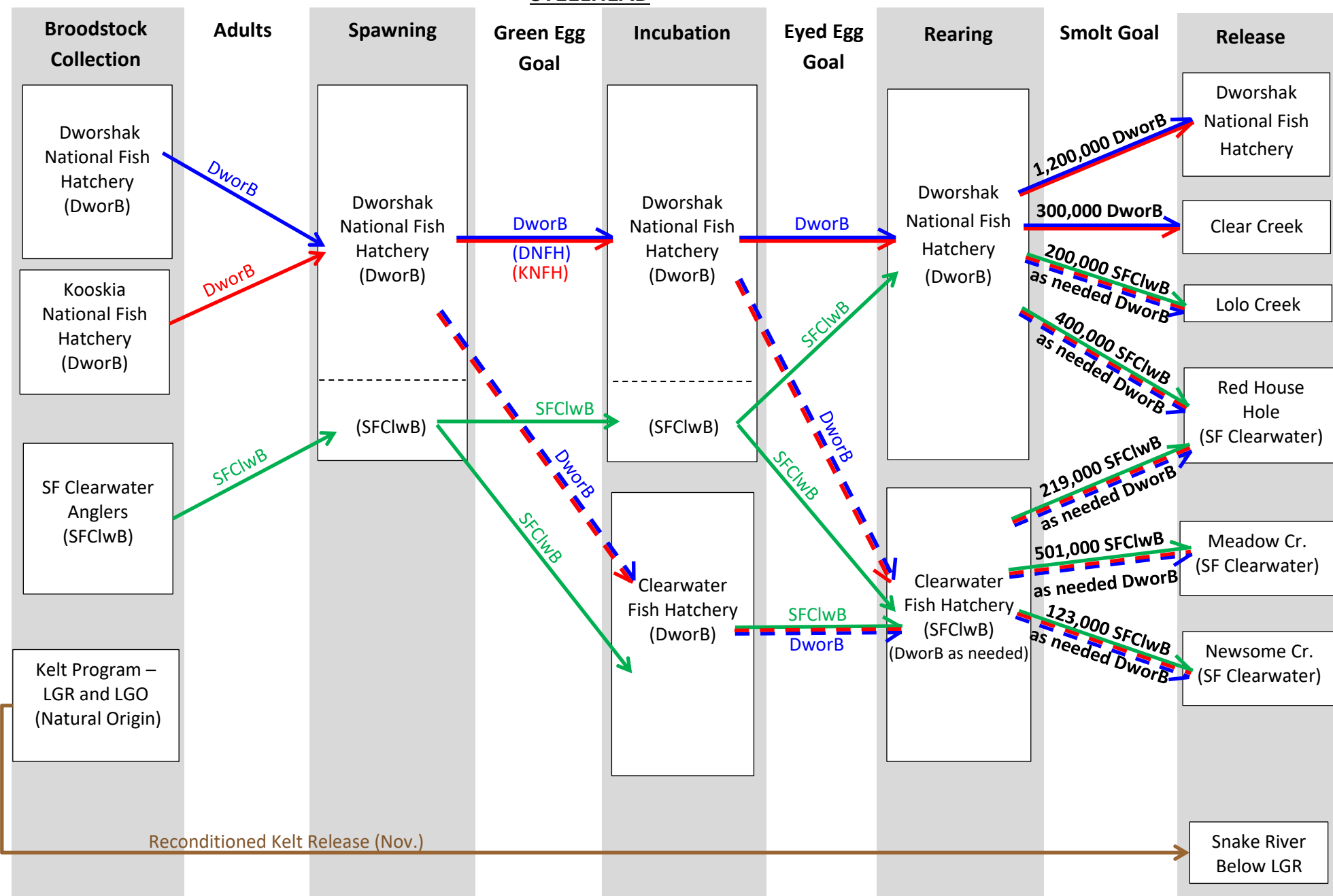


Figure 1.3. Fish and egg movements for Steelhead. Numbers represent 2025 releases.

1.2. Releases in 2025 (Smolt BY 2024)

1.2.1. Releases in 2025 (Smolt BY 2024) – Totals

Table 1.2a. Steelhead Rearing Metrics for BY 2024 fish for release in 2025

Rearing Facility	Program	Brood Collection Site	Release Site	Release Goals		Inventory To Date		Excess Fry/ Fingerlings Released		Projected Smolt Releases		
				Number	Size (FPP)	Date	Number	Number	Release Site	Dates	Number	Size (FPP)
DNFH	NF Clearwater	DNFH	DNFH	1,200,000	5.8	11/30/2024	1,125,801	0		4/22/2025	1,120,172	5.8
			Clear Creek	300,000	5.8	11/30/2024	285,597	0		4/15/2025	284,169	5.8
	SF Clearwater	SFClwR Angler (DNFH)	Lolo Creek	200,000	5.8	11/30/2024	220,156	0		4/15/2025	219,055	5.8
	SF Clearwater	SFClwR Angler (DNFH)	Red House Hole-SF Clw	400,000	5.8	11/30/2024	409,033	0		4/15/2025	406,988	5.8
Total				2,100,000			2,040,587	0			2,030,384	
CFH	CFH	SFClwR Angler (DNFH)	Meadow Creek-SF Clw	501,000	4.5-6.0	12/30/2024	490,654	0		3/31/25-4/18/25	490,000	5.5
			Red House Hole-SF Clw	219,000	4.5-6.0	12/30/2024	191,345	0	0	3/31/25-4/18/25	191,027	5.5
			Newsome Creek-SF Clw	123,000	4.5-6.0	12/30/2024	103,297	0	0	3/31/25-4/18/25	103,000	5.5
Totals				843,000			785,296	0			784,027	
Grand Total				2,943,000			2,825,883	0			2,814,411	

Table 1.2b. BY 2024 Steelhead Inventory to Date by Mark Type for release in 2025.

Rearing Facility	Program	Brood Collection Site	Release Site	Inventory to Date						PIT Tags					
				Date	Total	Adipose Fin Clip		No Clip		Total # Tags ¹	Funding Source ²				
						No CWT	CWT	CWT	No CWT		CSS	LSRCP	ACOE	NPT	SMP
DNFH	NF Clearwater	DNFH	DNFH	7/26/2024	1,169,773	1,169,773	0	0	0	21,300	7,200		12,600	NPT	1,500
			Clear Creek	6/18/2024	312,542	312,542	0	0	0	5,120	1,840		3,280		
	SF Clearwater	SFClwR Angler (DNFH)	Lolo Creek	8/2/2024	212,207	0	0	201,293	10,914						
		SFClwR Angler (DNFH)	Red House Hole-SF Clw	7/26/2024	434,839	434,839	0	0	0	6,480	2,360		4,120		
Total					2,129,361	1,917,154	0	201,293	10,914	32,900	11,400	0	20,000	0	1,500
CFH	CFH	SFClwR Angler (DNFH)	Meadow Creek-SF Clw	12/30/2024	490,654	275,586		215,068		10,796	3,200	7,600			
			Red House Hole-SF Clw	12/30/2024	191,345	191,345				4,700	1,400	3,300			
			Newsome Creek-SF Clw	12/30/2024	103,297			103,297		15,898	800	1,800		13,300	
Totals					785,296	466,931	0	318,365	0	31,394	5,400	12,700	0	13,300	0
Grand Total					2,914,657	2,384,085	0	519,658	10,914	64,294	16,800	12,700	20,000	13,300	1,500

¹ Represents actual number tagged if tags have already been applied at the time of this report

² Represents number of tags paid for by each agency. Sum total may not equal "Total # Tags" for locations where tagging has already occurred

1.2.2. Releases in 2025 (Smolt BY 2024) - Narrative

Here are examples of things managers talk about for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Smolt/Egg Release Targets**- e.g. Were you below goal? Was you size at release different than SOP target? Did you depart from the mark plan?
- **Fish/Egg Health**- any epizootic history, anti-biotic treatments, was production culled at any point
- **Transportation/Releases**- e.g. timing, trucking issues, site access etc.

Release Location	Plan for 2025		Changes/Conditions that Occurred 2024-Early 2025		
	Release Target Smolt BY24	Transport/Release Smolt BY24	Fish Feeding BY24	Fish/Egg Health BY24	Marking BY24
<i>Dworshak National Fish Hatchery (SOP Section 1.2)</i>					
Dworshak National Fish Hatchery (DworB)	NC	NC	Bug Feed #0, #1 and #2 crumble in Nursery	Thiamine treatment	NC
Clear Creek (DworB)	NC	NC	Bug Feed #0, #1 and #2 crumble in Nursery	Thiamine treatment	NC
Red House, SF Clearwater (SFClw/DworB)	NC	NC	Bug Feed #0, #1 and #2 crumble in Nursery	Thiamine treatment	NC
Lolo Creek (SFClw/DworB)	NC	NC	Bug Feed #0, #1 and #2 crumble in Nursery	Thiamine treatment	Lolo group was tagged with CWT.
<i>Clearwater Fish Hatchery (SOP Section 1.3)</i>					
Meadow Creek SF Clearwater (SFClwB/DworB)	11,000 short	NC	Bug Feed #0, #1 and #2 crumble in early rearing	Higher mortality in early rearing coagulated yolk a cold water applies to all release groups and	NC
Red House Hole SF Clearwater (SFClwB/DworB)	28,000 short	NC	NC	Environmental gill issues from reservoir turnover outdoor raceways applies to all releases	NC
Newsome Creek SF Clearwater (SFClwB/DworB)	20,000 short	NC	NC	same as above	NC

1.3. Trap Operations and Production Planning for 2025 (Smolt BY 2025)

BY 2025 Steelhead smolt production goals for release in 2026.

Rearing Facility	Program	Brood Collection Site	Release Site	Smolt Release Goals
DNFH	NF Clearwater	DNFH	MS Clearwater at DNFH	1,200,000
			Clear Creek	300,000
	SF Clearwater	SFClwR Angler (DNFH)	Lolo Creek	200,000
		SFClwR Angler (DNFH)	Red House Hole - SF Clw	400,000
Total				2,100,000
CFH/DNFH	CFH	SFClwR Angler (DNFH)	Meadow Creek-SF Clw	501,000
			Red House Hole-SF Clw	219,000
			Newsome Creek-SF Clw	123,000
Total				843,000
Grand Total				2,943,000

1.3.1. Trap Operations and Production Planning for 2025 (Smolt BY 2025) – TOTALS

Table 1.3a. BY 2025 - Steelhead Spawning/Egg Take Plan.

		Hatchery Program / Brood Source / Green Eggs Taken											
		DNFH - All Releases							CFH - South Fork Clearwater			Grand Totals	
		DWORK			SFCWR			Green Eggs Projections Combined	SFCWR				
Take		Females		Green Eggs	Females		Green Eggs		Projections Combined	Females		Green Eggs	Females
No.	Week of	Fecundity	Kill Sp	Projections	Fecundity	Kill Sp	Projections			Fecundity	Kill Sp	Projections	Kill Sp
1 E	Jan 13 - Jan 17	7,417	50	370,850	7,643	0	0	370,850	7,643		0	50	370,850
2 E	Jan 27- Jan 31	7,417	52	385,684	7,643	0	0	385,684	7,643		0	52	385,684
3	Feb 10 - Feb 14	7,417	56	415,352	7,643	0	0	415,352	7,643		0	56	415,352
4	Feb 17 - Feb 21	7,417	51	378,267	7,643	0	0	378,267	7,643		0	51	378,267
5	Feb 24 - Feb 28	7,417	65	482,105	7,643	0	0	482,105	7,643		0	65	482,105
6	Mar 3 - Mar 7	7,417	0	0	7,643	0	0	0	7,643		0	0	0
7	Mar 10 - Mar 14	7,417	44	326,348	7,643	0	0	326,348	7,643	32	244,576	76	570,924
8	Mar 17 - Mar 21	7,417	0	0	7,643	43	328,649	328,649	7,643	42	321,006	85	649,655
9	Mar 24 - Mar 28	7,417	0	0	7,643	44	336,292	336,292	7,643	42	321,006	86	657,298
10	Mar 31 - Apr 4	7,417	50	370,850	7,643	0	0	370,850	7,643	43	328,649	93	699,499
11	Apr 7 - Apr 11	7,417	0	0	7,643	0	0	0	7,643	30	229,290	30	229,290
Grand Total			368	2,729,456		87	664,941	3,394,397		189	1,444,527	644	4,838,924

1.3.2. Trap Operations and Production Planning for 2025 (Smolt BY 2025) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

Rearing Location	Plan for 2025 (BY 2025)				
	Adult Fish Health	Trap Ops	Production target changes	Spawning protocol changes	Disposition of adults
<i>Dworshak/Kooskia National Fish Hatchery Ladder/Trap (Fall 2024-Spring 2025)(SOP Section 1.2)</i>					
Dworshak National Fish Hatchery (DworB)	No salmon gonadotropin-releasing hormone analogue (sGnRHa) injections	An additional 75 males were collected to compensate for absence of sGnRHa injections	NC	NC	NC
Kooskia National Fish Hatchery (DworB)	NC	NC	NC	NC	NC
Clearwater Fish Hatchery (DworB)	NC	NC	NC	NC	NC
<i>Reconditioned Kelts (SOP Section 1.2)</i>					
Dworshak National Fish Hatchery (Natural/Ad intact B)	NC	Clipped fish will begin to be reconditioned	NC	NC	NC
Nez Perce Tribal Hatchery (Natural/Ad intact B)	NC	Clipped fish will begin to be reconditioned	NC	NC	NC
<i>SF Clearwater Anglers (SOP Section 1.3)</i>					
Dworshak National Fish Hatchery (SFClwB)	NC	NC	NC	NC	NC
Clearwater Fish Hatchery (SFClwB)	NC	NC	NC	NC	NC

1.4. Marking and Rearing Plan for 2025 (Smolt BY 2025)

BY 2025 Steelhead smolt production goals for release in 2026.

Rearing Facility	Program	Brood Collection Site	Release Site	Smolt Release Goals
DNFH	NF Clearwater	DNFH	MS Clearwater at DNFH	1,200,000
			Clear Creek	300,000
	SF Clearwater	SFClwR Angler (DNFH)	Lolo Creek	200,000
		SFClwR Angler (DNFH)	Red House Hole - SF Clw	400,000
Total				2,100,000
CFH/DNFH	CFH	SFClwR Angler (DNFH)	Meadow Creek-SF Clw	501,000
			Red House Hole-SF Clw	219,000
			Newsome Creek-SF Clw	123,000
Total				843,000
Grand Total				2,943,000

1.4.1. Marking and Rearing Plan for 2025 (Smolt BY 2025) – TOTALS

Table 1.4a. Steelhead Projected marking for BY 2025 Production for release in 2026.

Rearing Facility	Program	Brood Collection Site	Release Site	Smolt Release Goals	Projected Marking				PIT Tags					
					Adipose Fin Clip		No Clip		Total # Tags	Funding Source				
					No CWT	CWT	CWT	No CWT		CSS	LSRCP	NPT	ACOE	SMP
DNFH	NF Clearwater	DNFH	MS Clearwater at DNFH	1,200,000	1,200,000	0	0	0	21,300	7,200	0	0	12,600	1,500
			Clear Creek	300,000	300,000	0	0	0	5,120	1,840	0	0	3,280	0
	SF Clearwater	SFCIwR Angler (DNFH)	Lolo Creek	200,000	0	0	200,000	0	0	0	0	0	0	0
		SFCIwR Angler (DNFH)	Red House Hole - SF Clw	400,000	400,000	0	0	0	6,480	2,360	0	0	4,120	0
Total				2,100,000	1,900,000	0	200,000	0	32,900	11,400	0	0	20,000	1,500
CFH/DNFH	CFH	SFCIwR Angler (DNFH)	Meadow Creek-SF Clw	501,000	281,397		219,603		10,800	3,200	7,600			
			Red House Hole-SF Clw	219,000	219,000			4,700	1,400	3,300				
			Newsome Creek-SF Clw	123,000			123,000		15,900	800	1,800	13,300		
Totals				843,000	500,397	0	342,603	0	31,400	5,400	12,700	13,300	0	0
Grand Totals				2,943,000	2,400,397	0	542,603	0	64,300	16,800	12,700	13,300	20,000	1,500

1.4.2. Marking and Rearing Plan for 2025 (Smolt BY 2025) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Fish Health** - anticipated changes to normal fish health sampling or treatments to start for BY2020
- **Fish feeding** - changes of diets of feed manufacturer, growth regimes etc.
- **Rearing conditions** - incubation, water temp, flow, rearing density changes
- **Marking** - e.g. changes to schedules, fish handling or movement, raceway loading for PBT, %PBT etc.

Release Location	Plan for 2025 (BY 2025)			
	Juvenile Fish Health	Fish Feeding	Rearing Conditions	Marking
<i>Dworshak National Fish Hatchery (SOP Section 1.2)</i>				
Dworshak NFH (DworB)	Thiamine drip treatment in Incubation.	No Skretting for BY25. Looking into Rangen/EWOS/ Bio Oregon for our 2.0mm-3.5mm feed pellet. Bug feed in the nursery.	NC	NC
Clear Creek (DworB)	Thiamine drip treatment in Incubation.	No Skretting for BY25. Looking into Rangen/EWOS/ Bio Oregon for our 2.0mm-3.5mm feed pellet. Bug feed in the nursery.	NC	NC
Red House, SF Clearwater (SFClw/DworB)	Thiamine drip treatment in Incubation.	No Skretting for BY25. Looking into Rangen/EWOS/ Bio Oregon for our 2.0mm-3.5mm feed pellet. Bug feed in the nursery.	NC	NC
Lolo Creek (SFClw/DworB)	Thiamine drip treatment in Incubation.	No Skretting for BY25. Looking into Rangen/EWOS/ Bio Oregon for our 2.0mm-3.5mm feed pellet. Bug feed in the nursery.	NC	ALL Fish will be CWT tagged.
<i>Clearwater Fish Hatchery (SOP Section 1.3)</i>				
Meadow Creek SF Clearwater (SFClwB/DworB)	NC	Bug feed #0 and #1 in early rearing	NC	NC
Red House Hole SF Clearwater (SFClwB/DworB)	NC	Bug feed #0 and #1 in early rearing	NC	NC
Newsome Creek SF Clearwater (SFClwB/DworB)	NC	Bug feed #0 and #1 in early rearing	NC	NC

2. Spring/Summer Chinook

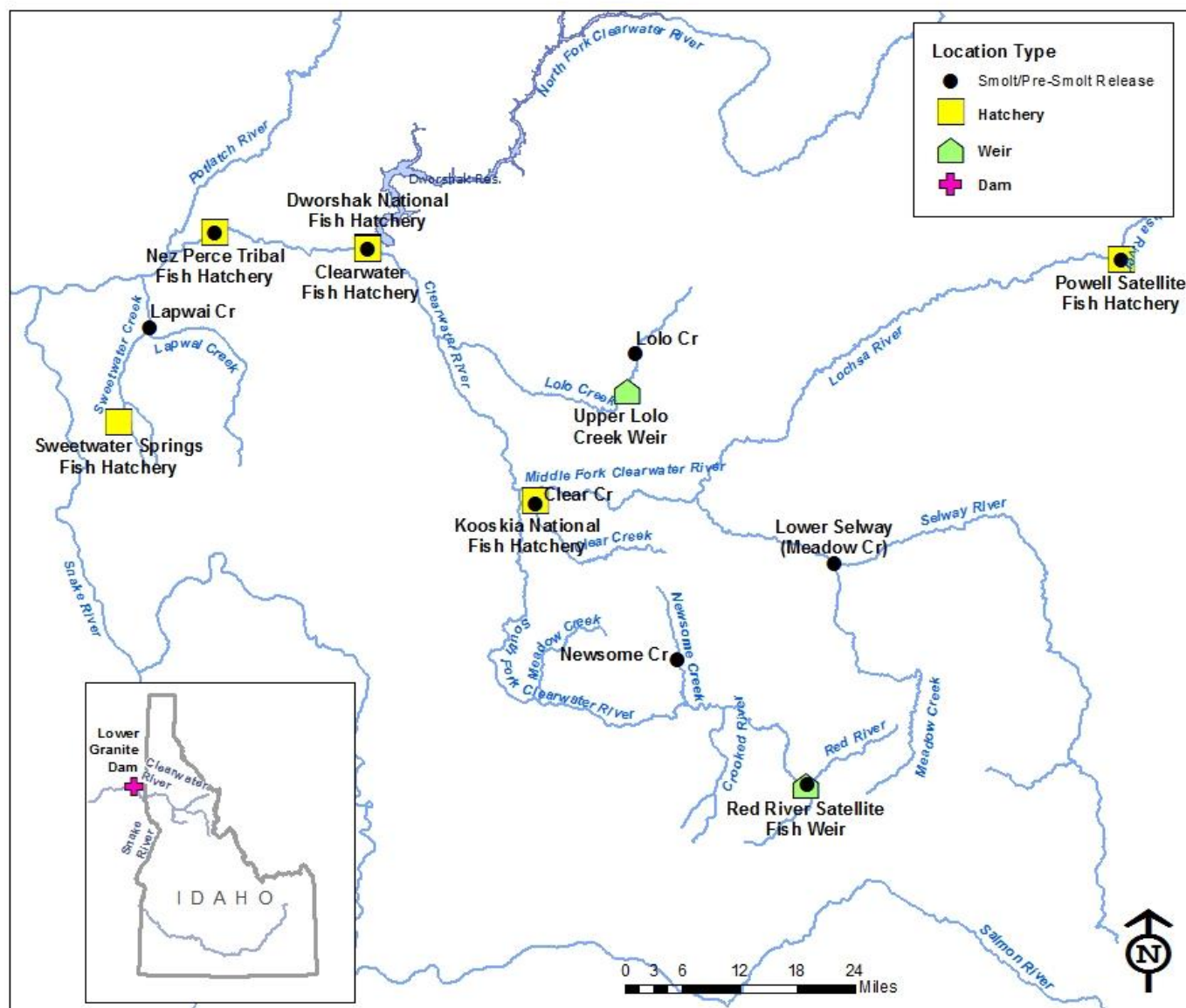


Figure 2.1. Locations of Spring/Summer Chinook Salmon hatchery facilities and smolt/pre-smolt releases. Table below gives smolt and pre-smolt release goals by release site.

Table 2.1. Spring/Summer Chinook Goals for Release in 2025

BY2023 SMOLTS

Action in 2025	Brood/Release Year	Hatchery Program	Rearing Facility	Brood Collection Site	Release Site	Smolt Release Goal	
Release	BY2023 RY2025	Spring					
		DNFH - LSRCP	DNFH	DNFH	NF Clearwater (DNFH)-Early Rel	1,650,000	
					NF Clearwater (DNFH)-Late Rel		
		Total					1,650,000
		KNFH-NPT	KNFH	KNFH	Kooskia NFH	650,000	
		Total					650,000
		NPTHC	NPTH	DNFH	Trans. to NPTH from DNFH-NPTH Early Rel ³	100,000	
					Trans. to NPTH from DNFH-NPTH Late Rel	100,000	
			NPTH	NPTH	Trans. to NPTH from DNFH-Lapwai Creek	200,000	
					Lolo Creek ²	200,000	
		Total					600,000
		CFH-LSRCP	CFH	SFCIw	Red River	1,280,000	
				DNFH	NF Clearwater-CFH (Early) ¹	389,000	
				DNFH	NF Clearwater-CFH (Late) ¹	320,000	
				DNFH	Selway River-Lower	400,000	
				KNFH/DNFH	Clear Creek	720,000	
				KNFH/DNFH/NPTH	Powell Pond	640,000	
		Total					3,749,000
		Spring Grand Total					6,649,000

¹ The early/late release groups were reared in the unbaffled adult ponds and the regular raceways

² Group originally destined for Lolo release, Emergency BKD release at NPTH.

³ No early realease. All fish were released late because of shortfall due to emergency BKD release at NPTH.

BY2024 PRE-SMOLTS SMOLTS

Action in 2025	Brood/Release Year	Hatchery Program	Rearing Facility	Brood Collection Site	Life Stage	Release Site	Smolt Release Goal
Marking and Release	BY2024 RY2025	Spring					
		NPTHC	NPTH	NPTHC	Pre-Smolt	Newsome Cr (SF Clw)	75,000
					Pre-Smolt	Lolo Cr (SF Clw)	150,000
		Spring Grand Total					225,000

2.1. Timeline and Flowchart for Spring/Summer Chinook Production

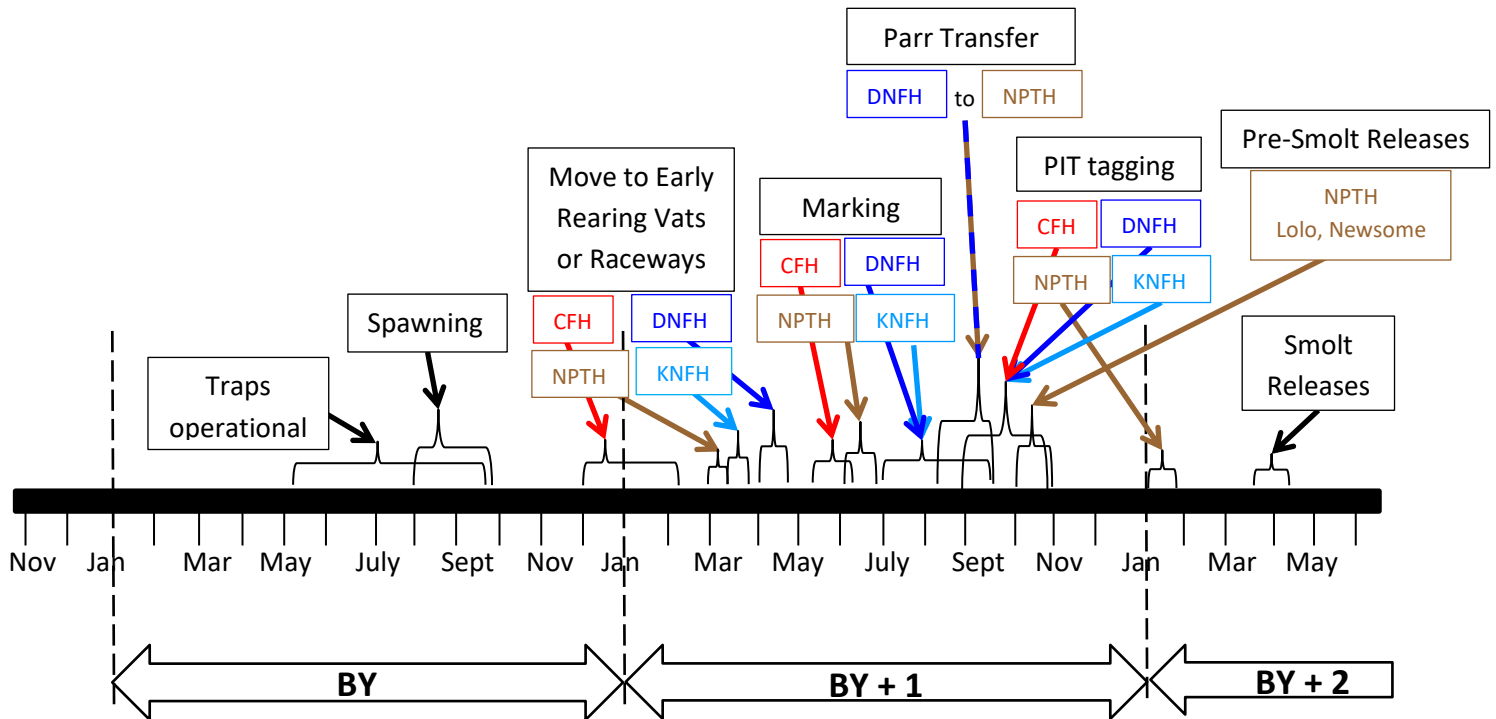
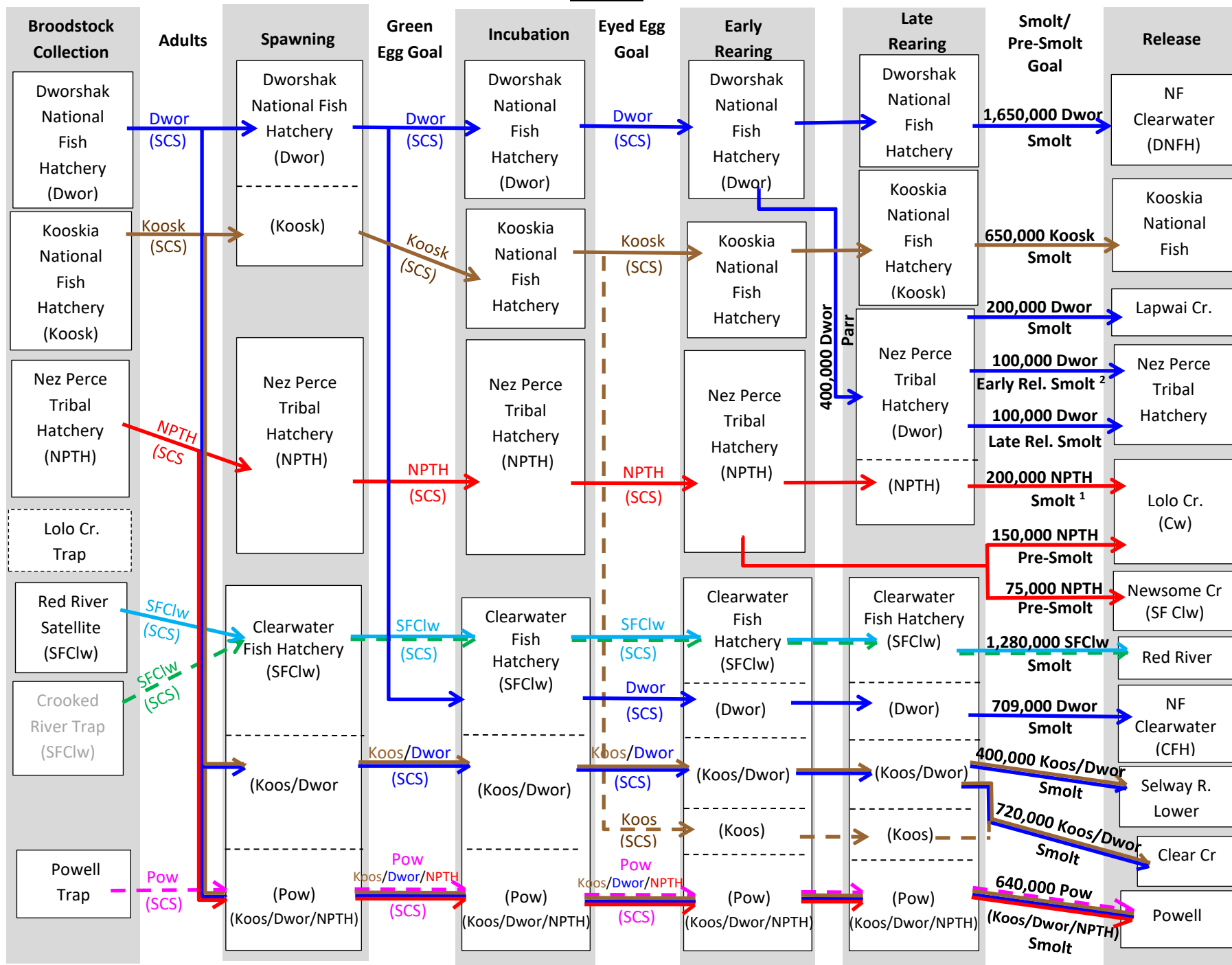


Figure 2.2. Timeline for Spring/Summer Chinook Production. Date ranges with black labels are shown to include all facilities' operations. Color-coded labels identify activities that have variability in timing for the different facilities.

CHINOOK



¹ Group was originally destined for Lolo release but needed to implement an emergency BKD release at NPTH in Dec 2024.

² No early release. All fish were released late because of shortfall due to emergency BKD release at NPTH.

Figure 2.3. Chinook movements for Clearwater. Numbers represent 2025 releases.

2.2. Releases in 2025 (Smolt BY 2023, Pre-Smolt BY 2024)

2.2.1. Releases in 2025 (Smolt BY 2023, Pre-Smolt BY 2024) – Totals

Table 2.2a. BY2023 SMOLTS - Sp/Su Chinook Salmon inventories by life stage, smolt release goals and projected releases in 2025.

Hatchery Program	Run	Rearing Facility	Brood Collection Site	Release Site	Release Goals		Inventory To Date		Projected Smolt Release		
					Number	Size (FPP)	Date	Number	Dates	Number	Size (FPP)
Spring											
DNFH - LSRCP	SpCS	DNFH	DNFH	NF Clearwater (DNFH)-Early Rel	1,650,000	20.0	12/17/2024	612,731	3/27/2025	606,604	20.0
				NF Clearwater (DNFH)-Late Rel		20.0	12/17/2024	1,117,193	4/10/25	1,106,021	20.0
Total					1,650,000			1,729,924		1,712,625	
KNFH-NPT	SpCS	KNFH	KNFH	Kooskia NFH	650,000	20.0	12/01/2024	577,244	4/9/2025	574,534	20.0
Total					650,000			577,244		574,534	
NPTHC	SpCS	NPTH	DNFH	Trans. to NPTH from DNFH-NPTH Early Rel ³	100,000	20.0		0		0	0.0
				Trans. to NPTH from DNFH-NPTH Late Rel	100,000	20.0	12/11/2024	198,300	4/16/2025	197,300	20.0
				Trans. to NPTH from DNFH-Lapwai Creek	200,000	20.0	12/31/2024	67,192	4/9/2025	66,520	20.0
			NPTH	Lolo Creek ²	200,000	20.0	12/4/2024	151,634	12/4/2024	151,634	51.0
Total					600,000			417,126		415,454	
CFH-LSRCP	SpCS	CFH 4	SFCIw	Red River	1,280,000	16.0	12/28/2024	1,183,289	3/12-4/18/2025	1,183,280	16.0
			DNFH	NF Clearwater-CFH (Early) ¹	389,000	16.0	12/28/2024	299,709	3/20/2025	299,680	16.0
				NF Clearwater-CFH (Late) ¹	320,000	16.0	12/28/2024	364,948	4/10/2025	364,930	16.0
			DNFH	Selway River-Lower	400,000	16.0	12/28/2024	373,852	3/12-4/18/2025	373,827	16.0
			KNFH/DNFH	Clear Creek	720,000	16.0	12/28/2024	676,369	4/15/2025	676,360	16.0
Total					640,000	16.0	12/28/2024	565,460	3/12-4/18/2025	565,430	16.0
Total					3,749,000			3,463,627		3,463,507	
Spring Grand Total					6,649,000			6,187,921		6,166,120	

¹ The early/late release groups were reared in the unbaffled adult ponds and the regular raceways

² Group originally destined for Lolo release, Emergency BKD release at NPTH.

³ No early release. All fish were released late because of shortfall due to emergency BKD release at NPTH.

⁴ CFH-LSRCP smolt release dates are generalized due to unpredictable weather conditions

Table 2.2b. BY2023 SMOLTS - Sp/Su Chinook Salmon Inventory to Date by Mark Type for release in 2025.

Hatchery Program	Run	Rearing Facility	Brood Collection Site	Release Site	Inventory to Date						PIT Tags				
					Date	Total	Adipose Fin Clip		No Clip		Total # Tags	Funding Source			
							CWT	No CWT	CWT	No CWT		CSS	LSRCP	USFWS	BPA
Spring															
DNFH - LSRCP	SpCS	DNFH	DNFH	NF Clearwater (DNFH)-Early Rel	12/17/24	612,731	126,421	486,310			15,900	15,900	0	0	0
				NF Clearwater (DNFH)-Late Rel	12/17/24	1,117,193		1,117,193			26,100	26,100	0	0	0
Total						1,729,924	126,421	1,603,503	0	0	42,000	42,000	0	0	0
KNFH-NPT	SpCS	KNFH	KNFH	Kooskia NFH	12/1/2024	576,684	111,819	409,370		55,495	13,000	7,000		6,000	
Total						576,684	111,819	409,370	0	55,495	13,000	7,000	0	6,000	0
NPTHC	SpCS	NPTH	DNFH	Trans. to NPTH from DNFH-NPTH Early Rel ³		0	0	0	0	0	0	0	0	0	0
				Trans. to NPTH from DNFH-NPTH Late Rel	12/31/2024	198,300	63,655	134,645	0	0	9,900	4,700	0	0	5,200
				Trans. to NPTH from DNFH-Lapwai Creek	12/31/2024	66,520	60,556	0	0	5,964	8,500	0	8,500	0	0
			NPTH	Lolo Creek ²	12/4/2024	151,634	0	0	144,775	6,859	3,990	0	0	0	3,990
Total						416,454	124,211	134,645	144,775	12,823	22,390	4,700	8,500	0	9,190
CFH-LSRCP	SpCS	CFH	SFCIw	Red River	12/24/2025	1,183,289	120,149	1,063,140			19,500	4,500	15,000		
			DNFH	NF Clearwater-CFH (Early) ¹	12/24/2025	299,709	60,047	239,662			7,000	1,600	5,400		
				NF Clearwater-CFH (Late) ¹	12/24/2025	364,948	60,349	304,599			6,000	1,400	4,600		
			DNFH	Selway River-Lower	12/24/2025	373,852	120,047	133,764	120,041		8,500	2,000	6,500		
			KNFH/DNFH	Clear Creek	12/24/2025	676,369	120,904	555,465			13,000	3,000	10,000		
Total					12/24/2025	565,460	119,601	445,859			13,000	3,000	10,000		
Total						3,463,627	601,097	2,742,489	120,041	0	67,000	15,500	51,500	0	0
Spring Grand Total						6,186,689	963,548	4,890,007	264,816	68,318	144,390	69,200	60,000	6,000	9,190

¹ The early/late release groups were reared in the unbaffled adult ponds and the regular raceways.² Group originally destined for Lolo release, Emergency BKD release at NPTH.³ No early realease. All fish were released late because of shortfall due to emergency BKD release at NPTH.**Table 2.2c.** BY2024 PRE-SMOLT - Sp/Su Chinook Salmon inventories by life stage, release goals and projected releases in 2025.

Hatchery Program	Rearing Facility	Brood Collection Site	Life Stage	Release Site	Inventory To Date		Release Goals		Projected Releases		
					Date	Number	Number	Size (FPP)	Dates	Number	Size (FPP)
Spring											
NPTHC	NPTH	NPTHC	Pre-Smolt	Newsome Cr (SF Clw)	12/11/2024	87,223	75,000	30.0	10/8/2025	86,351	30.0
			Pre-Smolt	Lolo Cr (SF Clw)	12/11/2024	202,404	150,000	30.0	10/8/2025	200,380	30.0
Total						289,627	225,000			286,731	

2.2.2. Releases in 2025 (Smolt BY 2023, Pre-Smolt BY 2024) – Total

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Smolt/Egg Release Targets-** e.g. were you below goal, was your size at release different than SOP target etc.
- **Fish/Egg Health-** any epizootic history, antibiotic treatments, was production culled at any point
- **Transportation/Releases-** e.g. timing, trucking issues, site access etc.

Release Location	Plan for 2025		Changes/Conditions that Occurred 2024-Early 2025		
	Release Target Smolt BY23 Pre-Smolt BY24	Transport/Release Smolt BY23 Pre-Smolt BY24	Fish Feeding Smolt BY23 Pre-Smolt BY24	Fish/Egg Health Smolt BY23 Pre-Smolt BY24	Marking Smolt BY23 Pre-Smolt BY24
<i>Dworshak National Fish Hatchery (SOP Section 2.2)</i>					
NF Clearwater-DNFH (Dwor)	NC	NC	NC	NC	NC
<i>Kooskia National Fish Hatchery (SOP Sections 2.3)</i>					
Kooskia National Fish Hatchery (Koosk)	NC	NC	NC	NC	PIT tags increased to 13,000.
<i>Nez Perce Tribal Hatchery (SOP Section 2.4)</i>					
Nez Perce Tribal Hatchery (Dwor Smolt trans. to NPTH)	NC	NC	NC	NC	PIT tags increased to 9,900.
Lapwai Creek (Dwor Smolt trans. to NPTH)	Release number decreased to 67,544 from 200,000, BY23 Broodstock shortage.	NC	NC	NC	PIT tags increased to 8,500.
Lolo Creek (NPTH-Smolt)	151,634 Released on 12/4/24.	BKD Outbreak, Emergency Released on 12/4/24 at NPTH.	NC	Fish Health diagnosed BKD and recommended immediate release at NPTH.	NC
Newsome Creek (NPTH-Pre-Smolt)	NC	NC	NC	NC	NC
Lolo Creek (NPTH-Pre-Smolt)	NC	NC	NC	NC	PIT tags decreased to 3,000.

Release Location	Plan for 2025		Changes/Conditions that Occurred 2024-Early 2025		
	Release Target Smolt BY23 Pre-Smolt BY24	Transport/Release Smolt BY23 Pre-Smolt BY24	Fish Feeding Smolt BY23 Pre-Smolt BY24	Fish/Egg Health Smolt BY23 Pre-Smolt BY24	Marking Smolt BY23 Pre-Smolt BY24
<i>Clearwater Fish Hatchery (SOP Sections 2.5)</i>					
Red River (SFClw)	NC	NC	NC	NC	NC
NF Clearwater-CFH (Baffle) (Dwor)	NC	NC	NC	NC	NC
NF Clearwater-CFH (Regular) (Dwor)	NC	NC	NC	NC	NC
Selway River-Lower (Dwor)	87,000 short	NC	NC	NC	NC
Clear Creek (Dwor/Koos)	NC	NC	NC	NC	NC
Powell (KNFH/DNFH/NPTH Spring)	76,000 short	NC	NC	NC	NC

2.3. Trap Operations and Production Planning for 2025 (Smolt and Pre-Smolt BY 2025)

BY2025 SMOLTS - Spring/Summer Chinook Goals for Release in 2027

Action in 2025	Brood/Release Year	Hatchery Program	Brood Collection Site	Rearing Facility	Release Site	Smolt Release Goal (US v OR)	Smolt Release Goal (Including Additional Production)
Trapping	BY2025 RY2027	<i>Spring</i>					
		DNFH - LSRCP	DNFH	DNFH	NF Clearwater (DNFH)	1,350,000	1,650,000
		Total				1,350,000	1,650,000
		KNFH-NPT	KNFH	KNFH	Kooskia NFH	650,000	650,000
		Total				650,000	650,000
		NPTHC	DNFH	DNFH	Trans. to NPTH-NPTH	200,000	200,000
					Trans. to NPTH-Lapwai Creek	200,000	200,000
			NPTHC	NPTHC	Lolo Creek	200,000	200,000
		Total				600,000	600,000
		CFH-LSRCP	SFCIw	CFH	Red River	1,100,000	1,280,000
			DNFH		NF Clearwater-CFH (Early)	0	389,000
			DNFH		NF Clearwater-CFH (Late)	0	320,000
			DNFH		Selway River-Lower	400,000	400,000
			KNFH/DNFH		Clear Creek	635,000	720,000
			Powell		Powell Pond (SPR)	640,000	640,000
		Total				2,775,000	3,749,000
		Spring Grand Total				5,375,000	6,649,000

BY2025 PRE-SMOLT - Spring/Summer Chinook Goals for Release in 2027

Action in 2025	Brood/Release Year	Hatchery Program	Life Stage	Brood Collection Site	Rearing Facility	Release Site	Smolt Release Goal
Trapping	BY2025 RY2026	<i>Spring</i>					
		NPTHC	Pre-Smolt	NPTHC	NPTHC	Newsome Cr (SF Clw)	75,000
			Pre-Smolt	NPTHC		Lolo Cr (Clw)	150,000
		Spring Grand Total					225,000

2.3.1. Trap Operations and Production Planning for 2025 (Smolt and Pre-Smolt BY 2025) – TOTALS

FULL PRODUCTION

Table 2.3a. 2025 Adult brood stock acquisition schedules for hatchery Sp/Su Chinook Salmon in Clearwater River drainage for FULL PRODUCTION.

Date	Spring				
	Dworshak Trap	Kooskia Trap	NPTH Trap	Red River	Powell Trap
5-May					
12-May					
19-May			3		
26-May		15	6		
2-Jun		42	10		0
9-Jun		470	44	10	13
16-Jun		695	70	78	81
23-Jun		782	117	165	150
30-Jun		810	152	331	237
7-Jul	186	984	184	535	278
14-Jul	534	1,069	231	662	312
21-Jul	999	1,114	254	710	343
28-Jul	1,463	1,151	282	720	368
4-Aug	1,905		298	739	391
11-Aug	2,323		298	749	409
18-Aug			317	778	424
25-Aug			317	876	440
1-Sep			317	973	459
8-Sep				973	479
15-Sep					485
22-Sep					487
29-Sep					
Total	2,323	1,151	317	973	487

Proportion of brood acquisition over season					
Date	Spring				
	Dworshak Trap	Kooskia Trap	NPTH Trap	Red River	Powell Trap
5-May	0.000	0.000	0.000	0.000	0.000
12-May	0.000	0.000	0.000	0.000	0.000
19-May	0.000	0.000	0.010	0.000	0.000
26-May	0.000	0.013	0.020	0.000	0.000
2-Jun	0.000	0.037	0.030	0.000	0.001
9-Jun	0.000	0.409	0.140	0.010	0.026
16-Jun	0.000	0.604	0.220	0.080	0.166
23-Jun	0.000	0.679	0.370	0.170	0.308
30-Jun	0.000	0.704	0.480	0.340	0.487
7-Jul	0.080	0.855	0.580	0.550	0.570
14-Jul	0.230	0.929	0.730	0.680	0.641
21-Jul	0.430	0.968	0.800	0.730	0.704
28-Jul	0.630	1.000	0.890	0.740	0.756
4-Aug	0.820	1.000	0.940	0.760	0.802
11-Aug	1.000	1.000	0.940	0.770	0.840
18-Aug	1.000	1.000	1.000	0.800	0.870
25-Aug	1.000	1.000	1.000	0.900	0.904
1-Sep	1.000	1.000	1.000	1.000	0.942
8-Sep	1.000	1.000	1.000	1.000	0.983
15-Sep	1.000	1.000	1.000	1.000	0.995
22-Sep	1.000	1.000	1.000	1.000	1.000
29-Sep	1.000	1.000	1.000	1.000	1.000

FULL PRODUCTION

Table 2.3b. BY 2025 SMOLT - Sp/Su Chinook Spawning and Trapping Plan for FULL PRODUCTION

Hatchery Program	Brood Collection Site	Rearing Facility	Release Site	Green Egg Goal	Green Egg Fecundity	Female Spawn Goal	Male Spawn Goal	Holding Mortality	Total Trapping Goal	Estimated Trapping Dates	Projected Returns to LGR ¹
<i>Spring</i>											
DNFH - LSRCP	DNFH	DNFH	NF Clearwater (DNFH)	2,177,736	3,792	575	575	2.9%	1,185	6/15-8/23	3,189
Total				2,177,736		575	575		1,185		3,189
KNFH-NPT	KNFH	KNFH	Kooskia NFH	851,302	3,150	271	271	10.0%	603	5/1-7/15	1,036
Total				851,302		271	271		603		1,036
NPTHC	DNFH	DNFH	Trans. to NPTH-NPTH	263,968	3,792	70	70	2.9%	145	6/15-9/30	792
			Trans. to NPTH-Lapwai Creek	263,968	3,792	70	70	2.9%	145	6/15-9/30	
	NPTHC	NPTHC	Lolo Creek	265,202	3,782	71	71	4.5%	149	5/1-8/1	0
Total				793,138		211	211		439		792
CFH-LSRCP	SFCIw	CFH	Red River	1,647,081	3,568	462	462	5.0%	973	06/2-9/30	2,304
	DNFH		NF Clearwater-CFH (Early)	500,558	3,568	141	141	5.0%	297	06/2-9/30	803
	DNFH		NF Clearwater-CFH (Late)	411,770	3,568	116	116	5.0%	245	06/2-9/30	
	DNFH		Selway River-Lower	514,713	3,568	145	145	5.0%	306	06/2-9/30	1,155
	KNFH/DNFH		Clear Creek	926,483	3,568	260	260	5.0%	548	06/2-9/30	2,391
	Powell		Powell Pond (SPR)	823,541	3,568	231	231	5.0%	487	06/2-9/30	777
Total				4,824,147		1,355	1,355		2,856		7,430
Spring Smolt Grand Total				8,646,323		2,412	2,412		5,083		12,447

¹ Forecasts for Kooskia NFH, Selway River-Lower, and Powell Pond include AD clipped and unclipped returns.

FULL PRODUCTION

Table 2.3c. BY 2025 PRE-SMOLT - Sp/Su Chinook Spawning and Trapping Plan FULL PRODUCTION

Hatchery Program	Life Stage	Brood Collection Site	Rearing Facility	Release Site	Green Egg Goal	Green Egg Fecundity	Female Spawn Goal	Male Spawn Goal	Holding Mortality	Total Trapping Goal	Estimated Trapping Dates
<i>Spring</i>											
NPTHC	Pre-Smolt	NPTHC	NPTHC	Newsome Cr (SF Clw)	99,451	3,782	27	27	4.5%	57	5/1-8/1
	Pre-Smolt	NPTHC	NPTHC	Lolo Cr (Clw)	198,901	3,782	53	53	4.5%	111	5/1-8/1
Total					298,352		80	80		168	
Spring Parr/Pre-smolt Grand Total					298,352		80	80		168	

FULL PRODUCTION

Table 2.3d. BY2025 Sp/Su Chinook Spawning and Trapping Plan Summarized by Trapping Facility for FULL PRODUCTION

Brood Collection Site	Female Spawn Goal	Male Spawn Goal	Total Trapping Goal	Projected Returns to LGR
<i>Spring</i>				
DNFH	1,117	1,117	2,323	5,147
KNFH	531	531	1,151	3,427
SFCIw	462	462	973	2,304
NPTHC	151	151	317	792
Powell	231	231	487	777

BASE US v OR PRODUCTION

Table 2.3e. 2025 Adult brood stock acquisition schedules for hatchery Sp/Su Chinook Salmon in Clearwater River drainage for BASE US v OR

Date	Spring				
	Dworshak Trap	Kooskia Trap	NPTH Trap	Red River	Powell Trap
5-May					
12-May					
19-May			3		
26-May		14	6		
2-Jun		40	10		0
9-Jun		445	44	8	13
16-Jun		657	70	67	81
23-Jun		739	117	142	150
30-Jun		766	152	284	237
7-Jul	125	930	184	460	278
14-Jul	360	1,011	231	568	312
21-Jul	673	1,053	254	610	343
28-Jul	986	1,088	282	619	368
4-Aug	1,283		298	635	391
11-Aug	1,565		298	644	409
18-Aug			317	669	424
25-Aug			317	752	440
1-Sep			317	836	459
8-Sep				836	479
15-Sep					485
22-Sep					487
29-Sep					
Total	1,565	1,088	317	836	487

Proportion of brood acquisition over season					
Date	Spring				
	Dworshak Trap	Kooskia Trap	NPTH Trap	Red River	Powell Trap
5-May	0.000	0.000	0.000	0.000	0.000
12-May	0.000	0.000	0.000	0.000	0.000
19-May	0.000	0.000	0.010	0.000	0.000
26-May	0.000	0.013	0.020	0.000	0.000
2-Jun	0.000	0.037	0.030	0.000	0.001
9-Jun	0.000	0.409	0.140	0.010	0.026
16-Jun	0.000	0.604	0.220	0.080	0.166
23-Jun	0.000	0.679	0.370	0.170	0.308
30-Jun	0.000	0.704	0.480	0.340	0.487
7-Jul	0.080	0.855	0.580	0.550	0.570
14-Jul	0.230	0.929	0.730	0.680	0.641
21-Jul	0.430	0.968	0.800	0.730	0.704
28-Jul	0.630	1.000	0.890	0.740	0.756
4-Aug	0.820	1.000	0.940	0.760	0.802
11-Aug	1.000	1.000	0.940	0.770	0.840
18-Aug	1.000	1.000	1.000	0.800	0.870
25-Aug	1.000	1.000	1.000	0.900	0.904
1-Sep	1.000	1.000	1.000	1.000	0.942
8-Sep	1.000	1.000	1.000	1.000	0.983
15-Sep	1.000	1.000	1.000	1.000	0.995
22-Sep	1.000	1.000	1.000	1.000	1.000
29-Sep	1.000	1.000	1.000	1.000	1.000

BASE US v OR PRODUCTION

Table 2.3f. BY 2025 SMOLT - Sp/Su Chinook Spawning and Trapping Plan for BASE US v OR PRODUCTION

Hatchery Program	Brood Collection Site	Rearing Facility	Release Site	Green Egg Goal	Green Egg Fecundity	Female Spawn Goal	Male Spawn Goal	Holding Mortality	Total Trapping Goal	Estimated Trapping Dates	Projected Returns to LGR ¹
Spring											
DNFH - LSRCP	DNFH	DNFH	NF Clearwater (DNFH)	1,781,784	3,792	470	470	2.9%	969	6/16/2025	3,189
Total				1,781,784		470	470		969		3,189
KNFH-NPT	KNFH	KNFH	Kooskia NFH	851,302	3,150	271	271	10.0%	603	5/1-7/15	1,036
Total				851,302		271	271		603		1,036
NPTHC	DNFH	DNFH	Trans. to NPTH-NPTH	263,968	3,792	70	70	2.9%	145	6/15-9/30	792
			Trans. to NPTH-Lapwai Creek	263,968	3,792	70	70	2.9%	145	6/15-9/30	
	NPTHC	NPTHC	Lolo Creek	265,202	3,782	71	71	4.5%	149	5/1-8/1	0
Total				793,138		211	211		439		792
CFH-LSRCP	SFCIw	CFH	Red River	1,415,461	3,568	397	397	5.0%	836	06/2-09/30	2,304
	DNFH		NF Clearwater-CFH (Baffle)	0	3,568	0	0	5.0%	0	06/2-09/30	803
	DNFH		NF Clearwater-CFH (Regular)	0	3,568	0	0	5.0%	0	06/2-09/30	
	DNFH		Selway River-Lower	514,713	3,568	145	145	5.0%	306	06/2-09/30	1,155
	KNFH/DNFH		Clear Creek	817,107	3,568	230	230	5.0%	485	06/2-09/30	2,391
	Powell		Powell Pond (SPR)	823,541	3,568	231	231	5.0%	487	06/2-09/30	777
Total				3,570,821		1,003	1,003		2,114		7,430
Spring Smolt Grand Total				6,997,045		1,955	1,955		4,125		12,447

¹ Forecasts for Kooskia NFH, Selway River-Lower, and Powell Pond include AD clipped and unclipped returns.

BASE US v OR PRODUCTION

Table 2.3g. BY 2025 PRE-SMOLT - Sp/Su Chinook Spawning and Trapping Plan BASE US v OR PRODUCTION.

Hatchery Program	Life Stage	Brood Collection Site	Rearing Facility	Release Site	Green Egg Goal	Green Egg Fecundity	Female Spawn Goal	Male Spawn Goal	Holding Mortality	Total Trapping Goal	Estimated Trapping Dates
Spring											
NPTHC	Pre-Smolt	NPTHC	NPTHC	Newsome Cr (SF Clw)	99,451	3,782	27	27	4.5%	57	5/1-8/1
	Pre-Smolt	NPTHC		Lolo Cr (Clw)	198,901	3,782	53	53	4.5%	111	5/1-8/1
Total					298,352		80	80		168	
Spring Smolt Grand Total					298,352		80	80		168	

BASE US v OR PRODUCTION

Table 2.3h. BY 2025 Sp/Su Chinook Spawning and Trapping Plan Summarized by Trapping Facility for BASE US v OR PRODUCTION

Brood Collection Site	Female Spawn Goal	Male Spawn Goal	Total Trapping Goal	Projected Returns to LGR
Spring				
DNFH	755	755	1,565	5,147
KNFH	501	501	1,088	3,427
SFCIw	397	397	836	2,304
NPTHC	151	151	317	792
Powell	231	231	487	777

2.3.2. Trap Operations and Production Planning for 2025 (Smolts and Pre-Smolt BY2025) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

Juvenile Release Location	Plan for 2025 (BY 2025)				
	Adult Fish Health	Trap Ops	Production target changes	Spawning protocol changes	Disposition of adults
<i>Dworshak National Fish Hatchery Ladder/Trap (SOP Section 2.2)</i>					
NF Clearwater-DNFH (Dwor)	NC	NC	NC	NC	NC
Nez Perce Tribal Hatchery (Dwor-Smolt)	NC	NC	NC	NC	NC
NF Clearwater-CFH (Baffle) (Dwor)	NC	NC	NC	NC	NC
NF Clearwater-CFH (Regular) (Dwor)	NC	NC	NC	NC	NC
Selway River Lower (Dwor)	NC	NC	NC	NC	NC
Clear Creek (Dwor)	NC	NC	NC	NC	NC
<i>Kooskia National Fish Hatchery Trap (SOP Sections 2.3)</i>					
Kooskia National Fish Hatchery (Koos)	NC	NC	NC	NC	NC
Clear Creek (Koos)	NC	NC	NC	NC	NC

Juvenile Release Location	Plan for 2025 (BY 2025)				
	Adult Fish Health	Trap Ops	Production target changes	Spawning protocol changes	Disposition of adults
<i>Nez Perce Tribal Hatchery Trap (SOP Section 2.4)</i>					
Lolo Creek (NPTH-Pre-Smolt)	NC	NC	NC	NC	NC
Lolo Creek (NPTH-Smolt)	NC	NC	NC	NC	NC
<i>Red River and Crooked River Traps (SOP Section 2.5)</i>					
Red River (SFClw)	NC	NC	NC	NC	NC
<i>Powell Trap (SOP Section 2.5)</i>					
Powell-Spring (Pow)	NC	NC	NC	NC	NC

2.4. Early Rearing and Marking Plan for 2025 (Smolts BY 2024, Pre-Smolt BY2024)

BY2024 SMOLTS - Spring/Summer Chinook Goals for Release in 2026

Action in 2025	Brood/Release Year	Hatchery Program	Preferred Collection Site	Rearing Facility	Release Site	Smolt Release Goal
Early Rearing and Marking	BY2024 RY2026	Spring				
		DNFH - LSRCP	DNFH	DNFH	NF Clearwater (DNFH)	1,650,000
		Total				1,650,000
		KNFH-NPT	KNFH	KNFH	Kooskia NFH	650,000
		Total				650,000
		NPTH	DNFH	NPTH	Trans. to NPTH-NPTH	200,000
			DNFH		Trans. to NPTH-Lapwai Creek	200,000
			NPTH		Lolo Creek	200,000
		Total				600,000
		CFH-LSRCP	SFCIw	CFH	Red River	1,280,000
			DNFH		NF Clearwater-CFH (Early)	389,000
			DNFH		NF Clearwater-CFH (Late)	320,000
			DNFH		Selway River-Lower	400,000
			KNFH/DNFH		Clear Creek	720,000
			PowKNFH/DNFH		Powell Pond (SPR)	640,000
Total				3,749,000		
Spring Grand Total					6,649,000	

BY2024 PRE-SMOLT - Spring Chinook Goals for Release in 2026

Action in 2025	Brood/Release Year	Hatchery Program	Life Stage	Preferred Collection Site	Rearing Facility	Release Site	Smolt Release Goal
Early Rearing, Marking and Release	BY2024 RY2025	Spring					
		NPTH	NPTH	NPTH	NPTH	Newsome Cr (SF Clw)	75,000
			NPTH			Lolo Cr (Clw)	150,000
		Total					225,000
		Spring Grand Total					225,000

2.4.1. Early Rearing and Marking Plan for 2025 (Smolts BY 2024, Pre-Smolt BY2024) – TOTALS

Table 2.4a. BY 2024 Sp/Su Chinook Salmon - Early Rearing Inventory for smolt releases in 2026 (including anticipated set out)

Hatchery Program	Run	Preferred Collection Site	Rearing Facility	Release Site	Release Goals for 2025	Size (FPP)	Inventory to Date		
							Date	Goal ¹	Actual
Spring									
DNFH	SpCS	DNFH	DNFH	NF Clearwater (DNFH)	1,650,000	20.0	12/27/24	1,875,136	2,167,452
Totals					1,650,000			1,875,136	2,167,452
KNFH	SpCS	KNFH	KNFH	Kooskia NFH	650,000	20.0	12/19/2024	660,000	815,591
Totals					650,000			660,000	815,591
NPTHC	SpCS	DNFH	NPTH	Trans. to NPTH-NPTH	200,000	20.0	12/27/24	227,289	226,403
		DNFH		Trans. to NPTH-Lapwai Creek	200,000	20.0	12/27/24	227,289	226,403
		NPTHC		Lolo Creek	200,000	20.0	12/31/2024	200,000	244,755
Totals					600,000			654,578	697,561
CFH	SpCS	SFCIw	CFH	Red River	1,280,000	16.0	12/30/2024	1,280,000	1,304,264
		DNFH		NF Clearwater-CFH (Early)	389,000	16.0	12/30/2024	389,000	398,749
		DNFH		NF Clearwater-CFH (Late)	320,000	16.0	12/30/2024	320,000	324,371
		DNFH		Selway River-Lower	400,000	16.0	12/30/2024	400,000	409,885
		KNFH/DNFH		Clear Creek	720,000	16.0	12/30/2024	720,000	733,160
		PowKNFH/DNFH		Powell Pond (SPR)	640,000	16.0	12/30/2024	640,000	652,281
Totals					3,749,000			3,749,000	3,822,710
Spring Grand Total					6,649,000			6,938,714	7,503,314

¹ Estimated fish needed in vats to reach eventual smolt release goals, based on brood calculator exclusive of the buffer.

Table 2.4b. BY 2024 SMOLTS - Sp/Su Chinook Projected Marking of BY 2024 juveniles to be released in 2026.

Hatchery Program	Run	Preferred Collection Site	Rearing Facility	Release Site	Release Goals for 2026	Likely Marking Date(s)	Inventory to Date		Projected Marking				Projected PIT Tags				
									Adipose Fin Clip		No Clip		Total # Tags	Funding Source			
							Date	Number	No CWT	CWT	CWT	No CWT		CSS	LSRCP	USFWS	BPA
Spring																	
DNFH	SpCS	DNFH	DNFH	NF Clearwater (DNFH)	1,650,000	9/2 - 9/19/25	12/27/24	2,167,452	2,047,452	120,000			42,000	42,000	0		
Totals					1,650,000			2,167,452	2,047,452	120,000	0	0	42,000	42,000	0	0	0
KFH	SpCS	KNFH	KNFH	Kooskia NFH	650,000	6/1/2025	12/19/24	815,591	700,591	60,000	0	55,000	13,000	7,000		6,000	
Totals					650,000			815,591	700,591	60,000	0	55,000	13,000	7,000	0	6,000	0
NPTHC	SpCS	DNFH	NPTH	Trans. to NPTH-NPTH	200,000	9/1/2025	12/27/24	226,403	140,000	60,000	0	0	9,900	4,700			5,200
		DNFH		Trans. to NPTH-Lapwai Creek	200,000	9/1/2025	12/27/24	226,403	140,000	60,000			8,500		8,500		
		NPTHC		Lolo Creek	200,000	6/15/25	12/31/24	244,755	0	0	200,000	44,755	1,000			1,000	
Totals					600,000			697,561	280,000	120,000	200,000	44,755	19,400	4,700	8,500	0	6,200
CFH	SpCS	SFCIw	CFH	Red River	1,280,000	4/28-5/16/25	12/30/24	1,304,264	1,184,264	120,000			19,500	4,500	15,000		
		DNFH		NF Clearwater-CFH (Early)	389,000	4/28-5/16/25	12/30/24	398,749	338,749	60,000			7,000	1,600	5,400		
		DNFH		NF Clearwater-CFH (Late)	320,000	4/28-5/16/25	12/30/24	324,371	264,371	60,000			6,000	1,400	4,600		
		DNFH		Selway River-Lower	400,000	4/28-5/16/25	12/30/24	409,885	169,885	120,000	120,000		8,500	2,000	6,500		
		KNFH/DNFH		Clear Creek	720,000	4/28-5/16/25	12/30/24	733,160	613,160	120,000			13,000	3,000	10,000		
		PowKNFH/DNFH		Powell Pond (SPR)	640,000	4/28-5/16/25	12/30/24	652,281	532,281	120,000			13,000	3,000	10,000		
Totals					3,749,000			3,822,710	3,102,710	600,000	120,000	0	67,000	15,500	51,500	0	0
Spring Grand Total					6,649,000			7,503,314	6,130,753	900,000	320,000	99,755	141,400	69,200	60,000	6,000	6,200

Table 2.4c. BY2024 PRE-SMOLT - Sp Chinook Salmon Inventory to Date by Projected Mark Type for release in 2025.

Hatchery Program	Preferred Collection Site	Rearing Facility	Release Site	Inventory to Date		Projected Marking & Tagging				PIT Tags
				Date	Total	Adipose Fin Clip		No Clip		Funding Source
						No CWT	CWT	CWT	No CWT	
NPTH	NPTH	NPTH	Newsome Cr (SF Clw)	12/31/2024	87,223	0	0	75,000	12,223	3,000
			Lolo Cr (Clw)	12/31/2024	202,404	0	0	150,000	52,400	3,000
Total					289,627	0	0	225,000	64,623	6,000
Spring Grand Total					289,627	0	0	225,000	64,623	6,000

2.4.2. Early Rearing and Marking Plan for 2025 (Smolts BY 2024, Pre-Smolt BY2024) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Fish Health** - fish health issues, action taken and how was the treatment implemented, anticipated changes to normal fish health sampling or treatments
- **Fish feeding** - changes of diets of feed manufacturer, growth regimes etc.
- **Rearing conditions** - incubation, water temp, flow, rearing density changes
- **Marking** - e.g. schedule changes, planned changes to fish handling or movement, marking schedule, raceway loading for PBT etc.
- **Current Inventory** - . If projected marking lines up with the current inventory, then no comment is needed at this bullet (enter NC). If current inventory is significantly above or below the projected numbers, then explain why.

Release Location	Plan for 2025 (Smolts BY 2024, Pre-Smolt BY2024)				
	Juvenile Fish Health	Fish Feeding	Rearing Conditions	Marking	Meets Release Target
<i>Dworshak National Fish Hatchery (SOP Section 2.2)</i>					
NF Clearwater-DNFH (Dwor)	BY24 SCS will be doing a feed comparison with Bio Vita and Bio Clark	Bio Clark and Bio Vita 2.0mm will be used	NC	NC	NC
Nez Perce Tribal Hatchery (Dwor)	NC	NC	NC	NC	NC
Lapwai Creek (Dwor)	NC	NC	NC	NC	NC
<i>Kooskia National Fish Hatchery (SOP Sections 2.3)</i>					
Kooskia National Fish Hatchery (Koos)	NC	NC	NC	CWT's reduced to 60k	NC
<i>Nez Perce Tribal Hatchery (SOP Section 2.4)</i>					
Lolo Creek (NPTH-Pre-Smolt)	NC	NC	NC	NC	NC
Newsome Creek (NPTH-Pre-Smolt)	NC	NC	NC	NC	NC

Release Location	Plan for 2025 (Smolts BY 2024, Pre-Smolt BY2024)				
	Juvenile Fish Health	Fish Feeding	Rearing Conditions	Marking	Meets Release Target
Lolo Creek (NPTH-Smolt)	NC	NC	NC	NC	NC
<i>Clearwater Fish Hatchery (SOP Sections 2.5)</i>					
Red River (SFClw)	NC	NC	NC	NC	NC
NF Clearwater - Baffle (Dwor)	NC	NC	NC	NC	NC
NF Clearwater – Regular (Dwor)	NC	NC	NC	NC	NC
Selway River-Lower (Dwor)	NC	NC	NC	NC	NC
Clear Creek (Koos/Dwor)	NC	NC	NC	NC	NC
Powell-Spring (Koos/Dwor)	NC	NC	NC	NC	NC

3. Coho Salmon

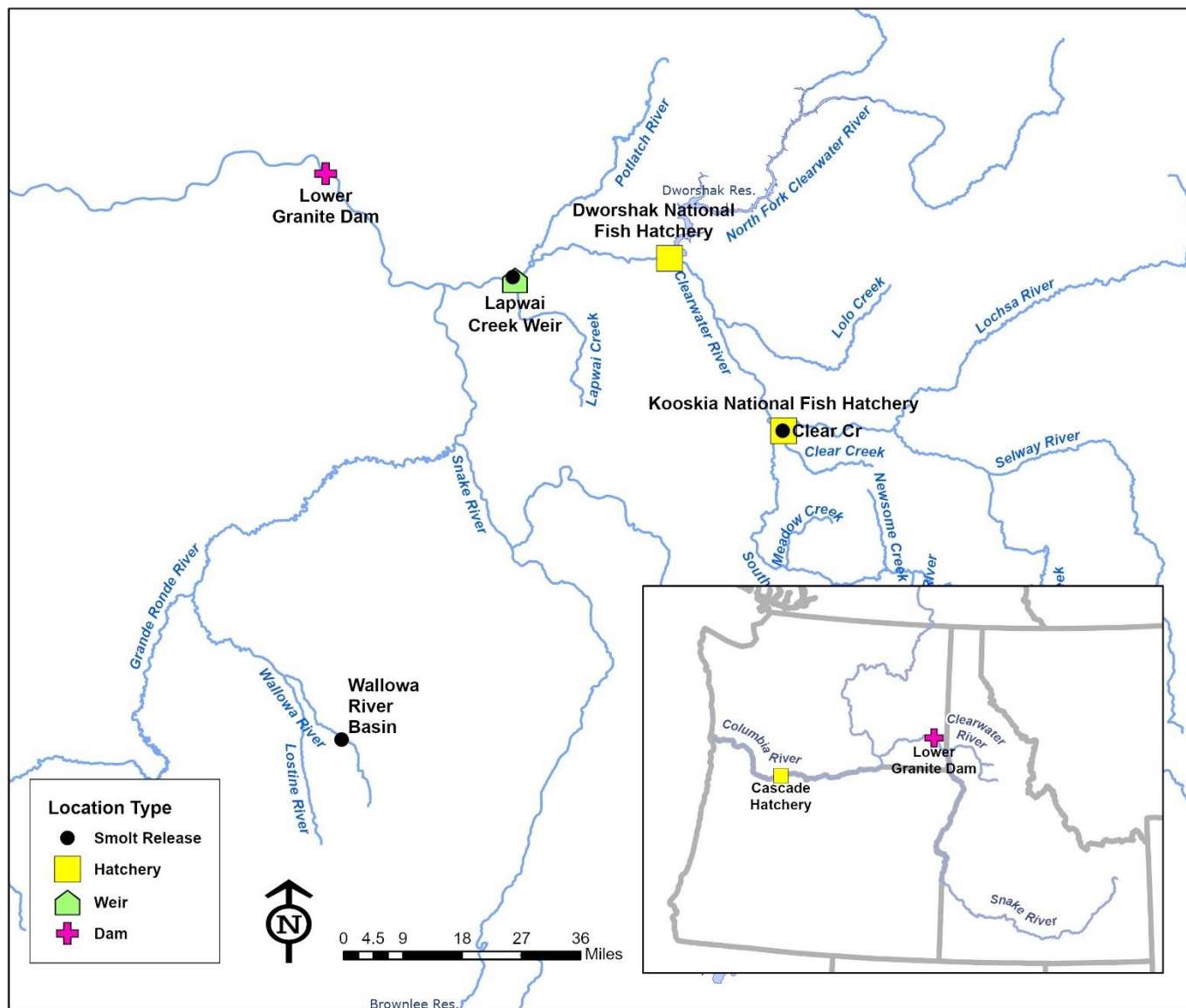


Figure 3.1. Coho trapping, hatchery facilities and smolt release locations.

Table 3.1. BY2023 SMOLTS - Coho Release Goals for 2025

Hatchery Program	Species	Brood Collection Site	Rearing Facility	Release Site	2025 Smolt Release Goal
DNFH	Coho	LAP, DNFH, KNFH, LGR	DNFH	Lapwai Creek	275,000
	Coho			Clear Creek	775,000
Total					1,050,000
Grand Total					1,050,000

3.1. Timeline and Flowchart for Coho Production

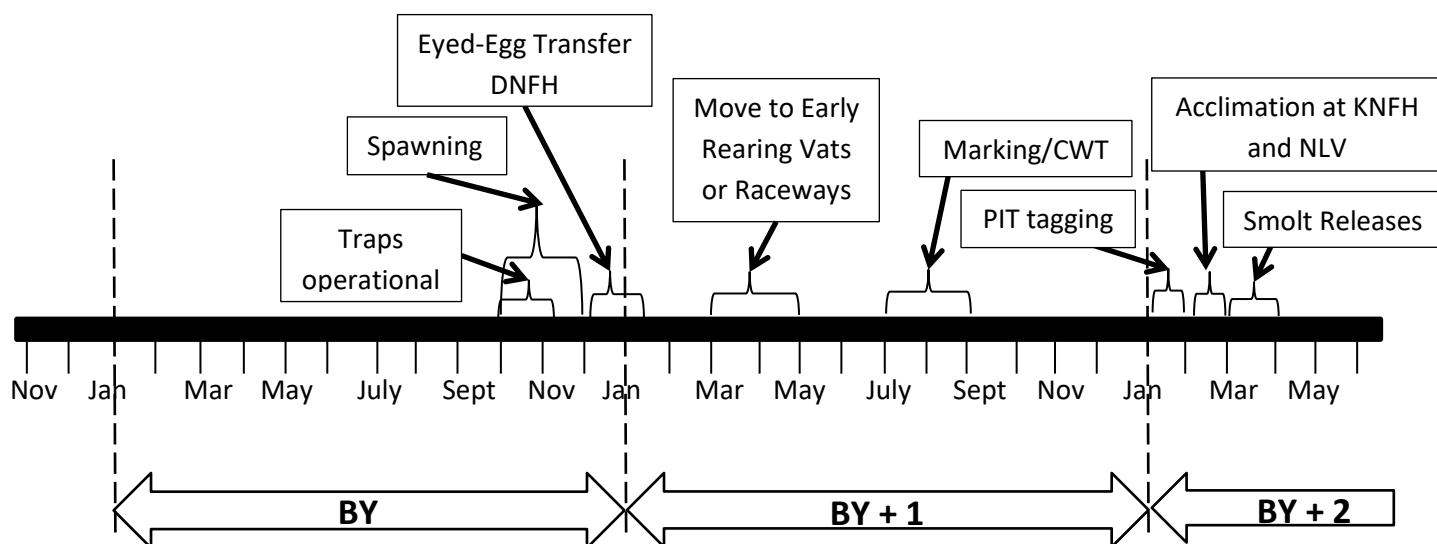


Figure 3.2. Timeline for Coho Production. Date ranges with black labels are shown to include all facilities' operations.

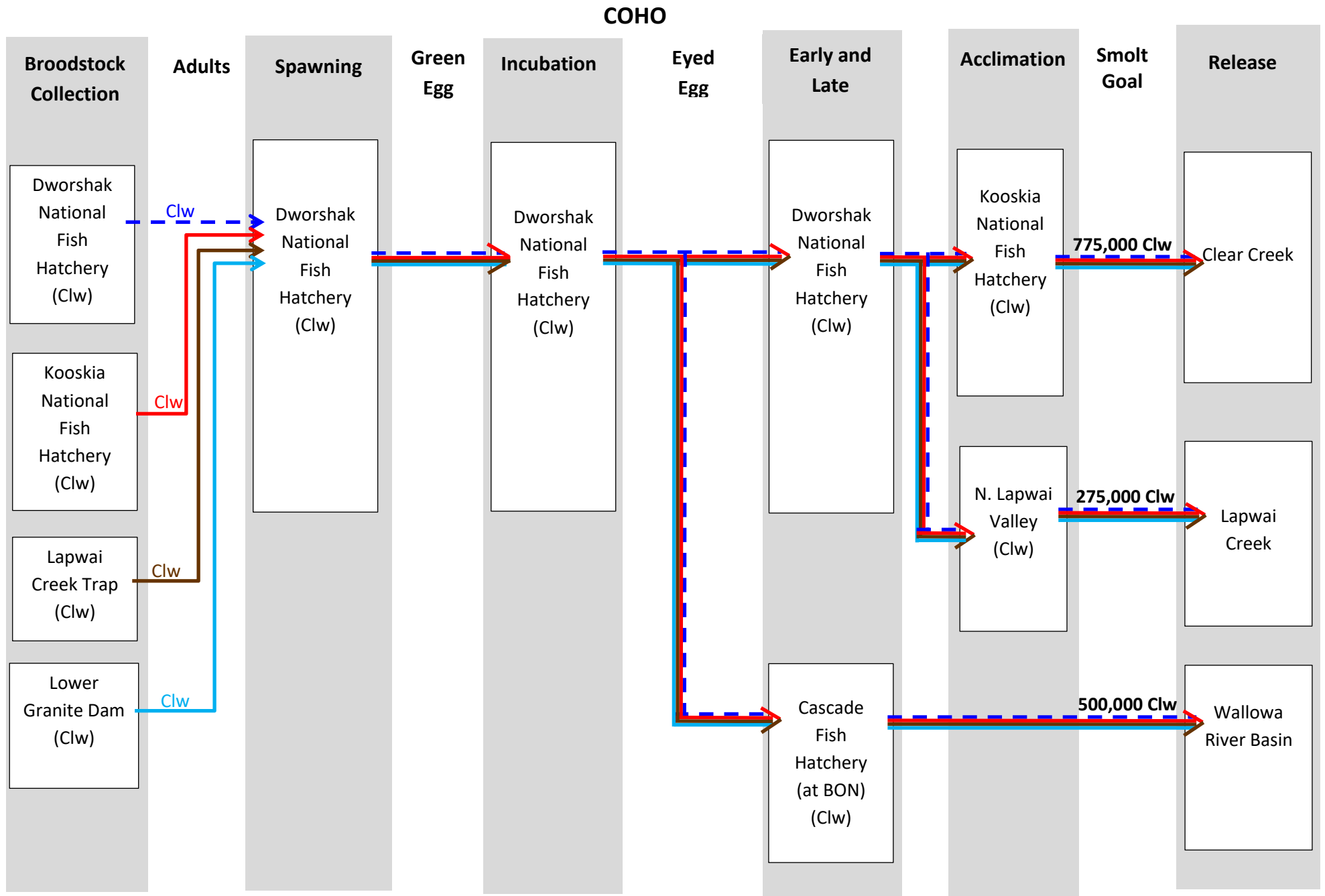


Figure 3.3. Coho movements in Clearwater. Numbers represent BY2025 releases.

3.2. Releases in 2025 (Smolt BY 2023)

3.2.1. Releases in 2025 (Smolt BY 2023) – Totals

Table 3.2a. BY2023 SMOLTS - Coho Salmon inventories by life stage, smolt release goals, and projected releases in 2025.

Rearing Facility	Species	Brood Collection Site	Rearing Facility	Release Site	Inventory To Date		Release Goals		Projected Smolt Release				
					Date	Number	Number	Size (FPP)	Dates	Number	Size (FPP)		
DNFH	Coho	LAP, DNFH, KNFH, LGR	DNFH	Lapwai Creek	1/9/2025	1,162,917	275,000	20.0	April 2025	1,150,000	20.0		
	Coho			Clear Creek	1/9/2025		775,000	20.0	April 2025		20.0		
Total						1,162,917	1,050,000			1,150,000			
Grand Total						1,162,917	1,050,000			1,150,000			

Table 3.2b. BY2023 SMOLTS - Coho Salmon Inventory to Date by Mark Type for release in 2025.

Rearing Facility	Species	Brood Collection Site	Rearing Facility	Release Site	Inventory to Date						PIT Tags		
					Date	Total	Adipose Fin Clip		No Clip				
							No CWT	CWT	No CWT	CWT	Total # Tags (Mitchell Act)		
DNFH	Coho	LAP, DNFH, KNFH, LGR	DNFH	Lapwai Creek	1/9/2025	1,162,917	0	0	239,120	65,453	5,000		
	Clear Creek			1/9/2025	0		0	792,945	65,399	5,000			
Total						1,162,917	0	0	1,032,065	130,852	10,000		
Grand Total						1,162,917	0	0	1,032,065	130,852	10,000		

3.2.2. Releases in 2025 (Smolt BY 2023) – Total

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Smolt/Egg Release Targets**- e.g. were you below goal, was your size at release different than SOP target etc.
- **Fish/Egg Health**- any epizootic history, anti-biotic treatments, was production culled at any point
- **Transportation/Releases**- e.g. timing, trucking issues, site access etc.

Release Location	Plan for 2025		Changes/Conditions that Occurred 2024-Early 2025		
	Release Target Smolt BY23	Transport/Release Smolt BY23	Fish Feeding Smolt BY23	Fish/Egg Health Smolt BY23	Marking Smolt BY23
<i>Dworshak National Fish Hatchery (SOP Section 3.2)</i>					
Lapwai Creek (Clw)	NC	All BY23 smolts will be reared at Dworshak	NC	NC	PIT Tagging to be done at DNFH before transport to acclimation sites
Clear Creek (Clw)	NC	All BY23 smolts will be reared at Dworshak	NC	NC	PIT Tagging to be done at DNFH before transport to acclimation sites

3.3. Trap Operations and Production Planning for 2025 (Smolt BY 2025)

BY 2025 SMOLTS - Coho Smolt Production Goals for Release in 2027.

Hatchery Program	Species	Brood Collection Site	Rearing Facility	Release Site	2027 Smolt Release Goal
DNFH	Coho	LAP, DNFH, KNFH, LGR	DNFH	Lapwai Creek	275,000
	Coho			Clear Creek	775,000
Cascade FH (at BON)	Coho	LAP, DNFH, KNFH, LGR	Cascade FH (at BON)	Wallowa River Basin	500,000
Total					1,550,000
Grand Total					1,550,000

3.3.1. Trap Operations and Production Planning for 2025 (Smolt BY 2025) – TOTALS

Table 3.3a. BY 2025 SMOLT - Coho Spawning and Trapping Plan

Hatchery Program	Brood Collection Site	Rearing Facility	Release Site	Green Egg Goal	Green Egg Fecundity	Female Spawn Goal	Male Spawn Goal	Holding Mortality	Total Trapping Goal	Estimated Trapping Dates	Projected Returns to LGR
Spring											
DNFH	LAP, DNFH, KNFH, LGR	DNFH	Lapwai Creek	1,822,955	2,488	733	755	15%	1,753		
			Clear Creek								
Total				1,822,955		733	755		1,753		0
Cascade FH (at BON)	LAP, DNFH, KNFH, LGR	Cascade FH (at BON)	Wallowa River Basin	650,000	2,753	236	236	15%	540		
Total				650,000		236	236		540		0
Coho Smolt Grand Total				2,472,955		969	991		2,293		0

3.3.2. Trap Operations and Production Planning for 2025 (Smolts BY 2025) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

Release Location	Plan for 2025 (BY 2025)				
	Adult Fish Health	Trap Ops	Production target changes	Spawning protocol changes	Disposition of adults
<i>Primary Trapping Facilities (SOP Section 3.2) ¹</i>					
Kooskia National Fish Hatchery Trap (Clw)	NC	NC	500k eggs shipped to Cascade Hatchery ODFW. 380K eggs received from Eagle Creek National Fish Hatchery	NC	Orofino Research Office handled all carcass disposition
Lapwai Creek Trap (Clw)	NC	NC		NC	Orofino Research Office handled all carcass disposition
<i>Secondary Trapping Facilities (SOP Section 3.2) ¹</i>					
Dworshak National Fish Hatchery Trap (Clw)	NC	NC	NC	NC	NC
Lower Granite Dam (Clw)		Not utilized this season			

¹ If broodstock collection at primary and secondary trapping locations falls short of goals, green eggs from Eagle Creek National Fish Hatchery and/or Kalama Fish Hatchery may be used as a source.

3.4. Early Rearing and Marking Plan for 2025 (Smolts BY 2024)

BY2024 SMOLTS - Coho Release Goals for 2026

Hatchery Program	Species	Brood Collection Site	Rearing Facility	Release Site	2026 Smolt Release Goal
DNFH	Coho	LAP, DNFH, KNFH, LGR	DNFH	Lapwai Creek	275,000
	Coho			Clear Creek	775,000
Total					1,050,000
Grand Total					1,050,000

3.4.1. Early Rearing and Marking Plan for 2025 (Smolts BY 2024) – TOTALS

Table 3.4a. BY 2024 Coho - Early Rearing Inventory (including anticipated set out)

Rearing Hatchery	Species	Stock	Inventory to Date		
			Date	Goal ¹	Actual
DNFH ²	Coho	Clw	1/13	1,421,888	845,548

¹ Estimated fish needed in vats to reach eventual smolt release goals, based on brood calculator

² Eyed eggs from Eagle Creek FH will be transported to DNFH the end of January 2025.

Table 3.4b. BY 2024 SMOLTS - Coho Projected Marking of BY 2024 fish in 2025

Hatchery Program	Species	Brood Collection Site	Rearing Facility	Release Site	Likely Marking Date(s)	Release Goals for 2026	Inventory to Date		Projected Marking				PIT Tags ¹	
									Adipose Fin Clip		No Clip		Total # Tags	Funding Source
							Date	Number	No CWT	CWT	No CWT	CWT		
DNFH	Coho	LAP, DNFH, KNFH, LGR	DNFH	Lapwai Creek		275,000			0	0	0	60,000	5,000	5,000
	Coho			Clear Creek		775,000			0	0	0	60,000	5,000	5,000
Total						1,050,000		0	0	0	120,000	10,000	10,000	
Grand Total						1,050,000		0	0	0	120,000	10,000	10,000	

¹ PIT Tagging occurs in spring 2026

3.4.2. Early Rearing and Marking Plan for 2025 (Smolts BY 2024) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Fish Health** - observed fish health issues, what action was taken and how was the treatment implemented, anticipated changes to normal fish health sampling or treatments
- **Fish feeding** - changes of diets of feed manufacturer, growth regimes etc.
- **Rearing conditions** - incubation, water temp, flow, rearing density changes
- **Marking** - e.g. schedule changes, planned changes to fish handling or movement, marking schedule, raceway loading for PBT etc.
- **Current Inventory** - . If projected marking lines up with the current inventory, then no comment is needed at this bullet (enter NC). If current inventory is significantly above or below the projected numbers, then explain why.

Release Location	Plan for 2025 (Smolts BY 2024)				
	Juvenile Fish Health	Fish Feeding	Rearing Conditions	Marking	Meets Release Target
<i>Dworshak National Fish Hatchery (SOP Section 3.2)</i>					
Clear Creek (Clw)	NC	NC	All BY24 smolts will be reared at Dworshak	NC	NC
Lapwai Creek (Clw)	NC	NC	All BY24 smolts will be reared at Dworshak	NC	NC

4. Fall Chinook

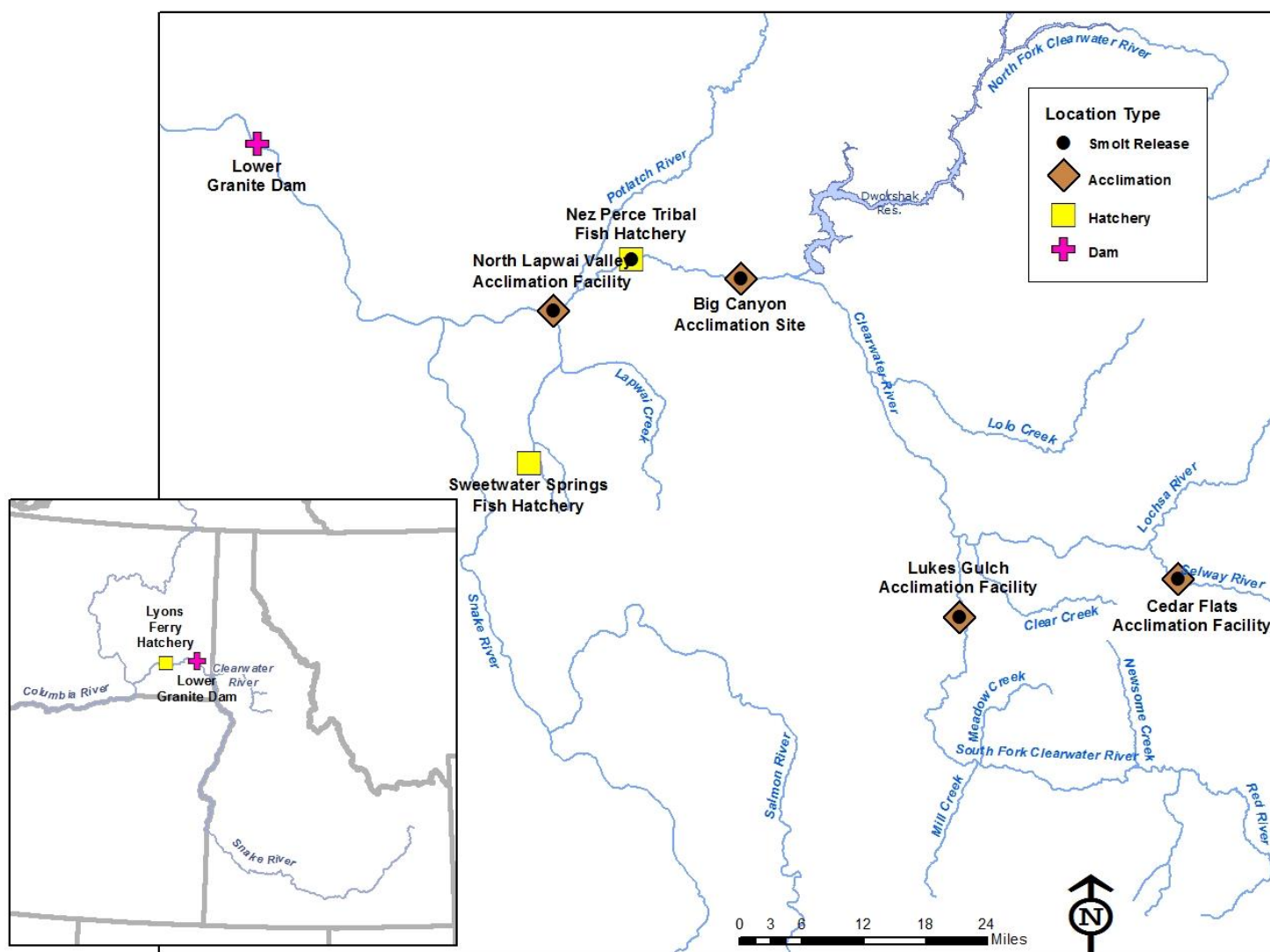


Figure 4.1. Fall Chinook Salmon hatchery and acclimation facilities, and sub-yearling release locations.

Table 4.1. Fall Chinook Goals for Release in 2025
BY2024 SUB-YEARLINGS

Hatchery Program	Brood Collection Site	Rearing Facility	Release Site	Sub-Yearling Release
NPT	SnakeR	Lyons Ferry	Big Canyon Creek ¹	450,000
				400,000
Total				850,000
NPT	SnakeR	NPTH	NPTH	600,000
	SnakeR		N Lapwai Valley	250,000
	SnakeR		Lukes Gulch	300,000
	SnakeR		Cedar Flats	250,000
Total				1,400,000
Grand Total				2,250,000

¹ Two separate release goals at Big Canyon Creek (different release dates)

4.1. Timeline and Flowchart for Fall Chinook Production

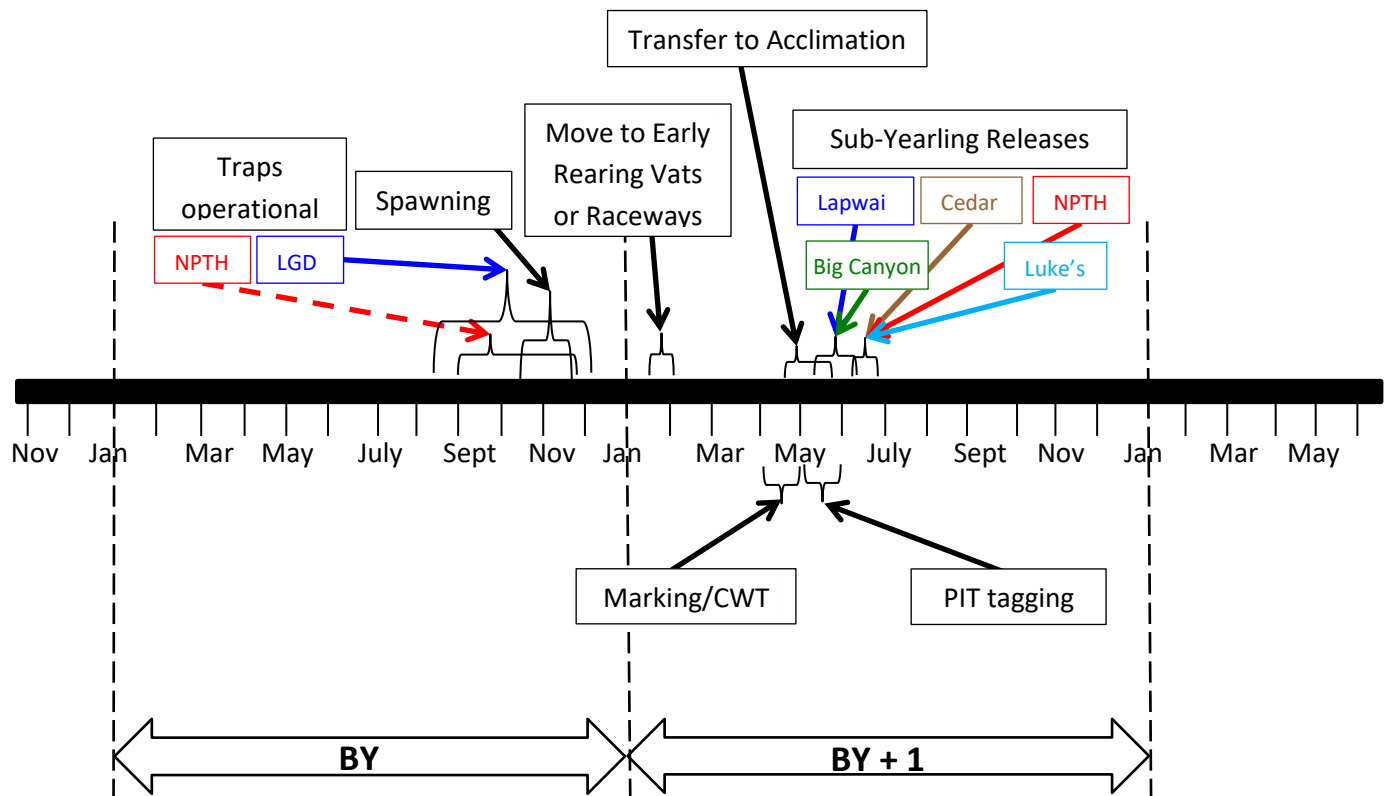


Figure 4.2. Timeline for Sub-Yearling Fall Chinook Production. Date ranges with black labels are shown to include all facilities' operations. Color-coded labels identify activities that have variability in timing for the different facilities.

FALL CHINOOK

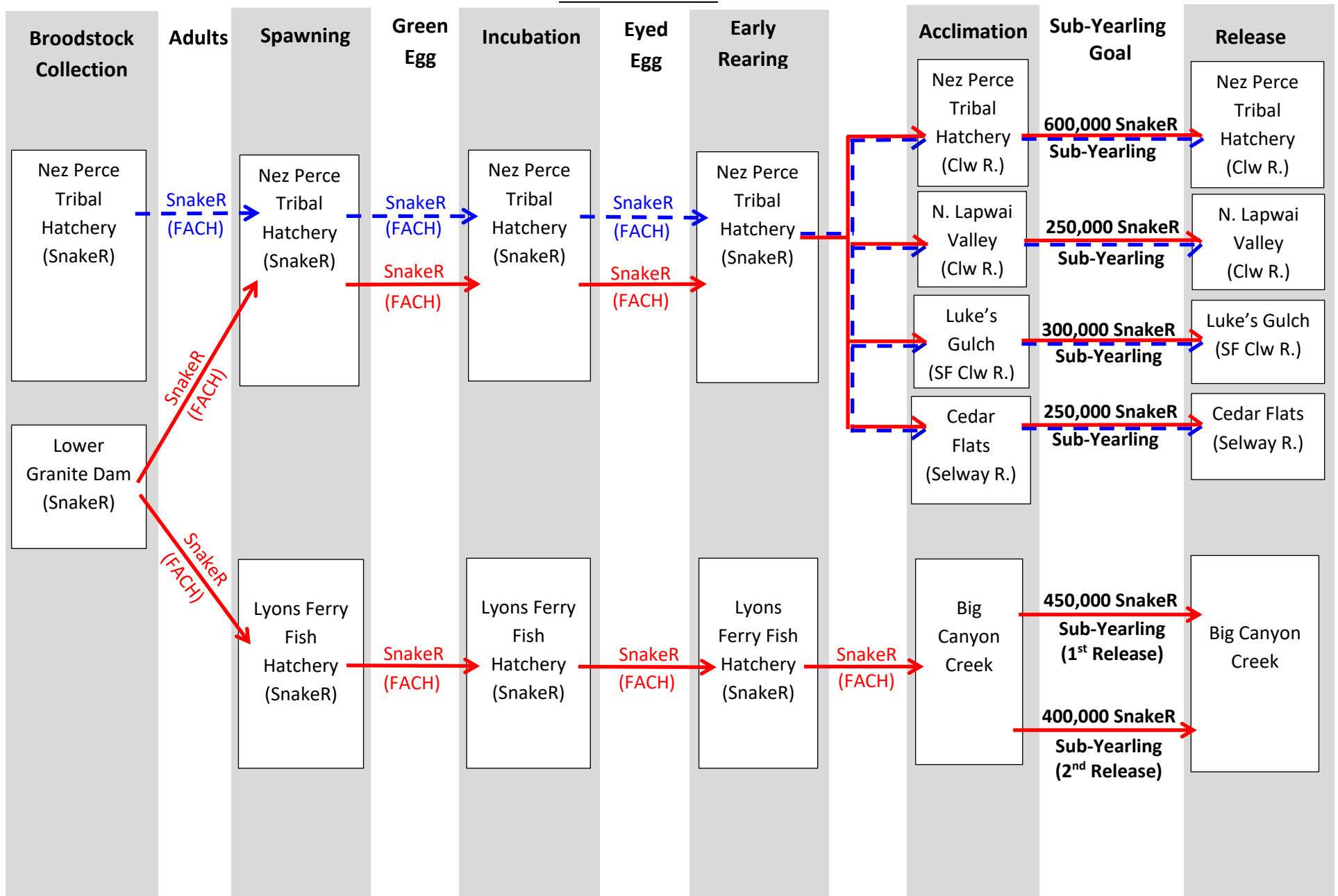


Figure 4.3. Fall Chinook movements in Clearwater. Numbers represent 2025 releases.

4.2. Releases in 2025 (Sub-Yearling BY 2024)

4.2.1. Releases in 2025 (Sub-Yearling BY 2024) – Totals

Table 4.2a. BY2024 SUB-YEARLINGS - Fall Chinook Salmon inventories by life stage, smolts release goals and projected releases in 2025.

Hatchery Prtogram	Species	Brood Collection Site	Rearing Facility	Release Site	Inventory To Date		Release Goals		Projected Sub-Yearling Release		
					Date	Number	Number	Size (FPP)	Dates	Number	Size (FPP)
NPT	FACH	SnakeR	Lyons Ferry	Big Canyon Creek ¹	12/31/2024	455,000	450,000	50.0	5/8/2025	450,000	50.0
					12/31/2024	205,000	400,000	50.0	5/30/2025	200,000	50.0
Total						660,000	850,000			650,000	
NPT	FACH	SnakeR	NPTH	NPTH	12/31/2024	706,599	600,000	50.0	6/11/2025	705,892	50.0
	FACH	SnakeR		N Lapwai Valley	12/31/2024	265,990	250,000	50.0	5/7/2025	265,724	50.0
	FACH	SnakeR		Lukes Gulch	12/31/2024	295,226	300,000	50.0	6/10/2025	294,931	50.0
	FACH	SnakeR		Cedar Flats	12/31/2024	257,040	250,000	50.0	6/9/2025	256,783	50.0
Total						1,524,855	1,400,000			1,523,330	
Grand Total						2,184,855	2,250,000			2,173,330	

¹ Two separate release goals at Big Canyon Creek (different release dates)

Table 4.2b. BY2024 SUB-YEARLINGS - Fall Chinook Salmon Inventory to Date by Mark Type for release in 2025.

Hatchery Program	Species	Brood Collection Site	Rearing Facility	Release Site	Inventory to Date						PIT Tags		
					Date	Total	Adipose Fin Clip		No Clip		Total # Tags	Funding Source	
							No CWT	CWT	CWT	No CWT		CSS	BPA
NPT	FACH	SnakeR	Lyons Ferry	Big Canyon Creek ¹	12/31/2024	450,000	0	100,000	0	350,000	11,100	11,100	0
					12/31/2024	400,000	0	100,000	0	300,000	4,500	0	4,500
Total						850,000	0	200,000	0	650,000	15,600	11,100	4,500
NPT	FACH	SnakeR	NPTH	NPTH	12/31/2024	706,599	0	100,000	0	606,599	4,500		4,500
	FACH	SnakeR		N Lapwai Valley	12/31/2024	265,990	0	100,000	0	165,990	4,500		4,500
	FACH	SnakeR		Lukes Gulch	12/31/2024	295,226	0	100,000	0	195,226	4,500		4,500
	FACH	SnakeR		Cedar Flats	12/31/2024	257,040	0	100,000	0	157,040	4,500		4,500
Total						1,524,855	0	400,000	0	1,124,855	18,000	0	18,000
Grand Total						2,374,855	0	600,000	0	1,774,855	33,600	11,100	22,500

¹ Projected marking numbers because marking/tagging occurs in April/May

4.2.2. Releases in 2025 (Sub-Yearling BY 2024) - Narrative

Here are examples of things managers talk about for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Smolt Release Targets**- e.g. Were you below goal? Was you size at release different than SOP target? Did you depart from the mark plan?
- **Fish Health**- any epizootic history, anti-biotic treatments, was production culled at any point
- **Transportation/Releases**- e.g. timing, trucking issues, site access etc.

Release Location	Plan for 2025		Changes/Conditions that Occurred 2024-Early 2025		
	Release Target Sub-YrIng BY24	Transport/Release Sub-YrIng BY24	Fish Feeding Sub-YrIng BY24	Fish/Egg Health Sub-YrIng BY24	Marking Sub-YrIng BY24
<i>Nez Perce Tribal Hatchery (SOP Section 4.2)</i>					
Nez Perce Tribal Hatchery (Clw R.)	NC	NC	NC	NC	NC
N. Lapwai Valley (Clw R.)	NC	NC	NC	NC	NC
Luke’s Gulch (SF Clw R.)	NC	NC	NC	NC	NC
Cedar Flats (Selway R.)	NC	NC	NC	NC	NC
<i>Lyons Ferry Fish Hatchery (SOP Section 4.3)</i>					
Big Canyon Creek Sub-Yearling ¹	NC	NC	NC	NC	CWTs reduced to 100k
Big Canyon Creek Sub Yearling ¹	Additional 200k added to unmarked component	NC	NC	NC	CWT’s reduced to 100k

¹ Two separate release goals at Big Canyon Creek (different release dates)

4.3. Trap Operations and Production Planning for 2025

4.3.1. Trap Operations and Production Planning for 2025 – TOTALS

Table 4.3a. BY 2025 SUB-YEARLINGS - Fall Chinook Production Goals for Release in 2026

Hatchery Program	Species	Brood Collection Site	Rearing Facility	Release Site	2026 Sub-Yearling Release
FCAP	FACH	SnakeR	Lyons Ferry	Big Canyon Creek	450,000
					200,000
Total					650,000
NPTH	FACH	Snake R.	NPTH	NPTH	600,000
	FACH	Snake R.		N Lapwai Valley	250,000
	FACH	Snake R.		Lukes Gulch	300,000
	FACH	Snake R.		Cedar Flats	250,000
Total					1,400,000
Grand Total					2,050,000

4.3.2. Trap Operations and Production Planning for 2025 (Sub-Yearling) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

Rearing Location	Plan for 2025 (BY 2025)				
	Adult Fish Health	Trap Ops	Production target changes	Spawning protocol changes	Disposition of adults
<i>Lower Granite Dam Ladder/Trap (SOP Sections 4.2 and 4.3)</i>					
Nez Perce Tribal Hatchery (SnakeR)	NC	NC	Total Big Canyon Creek release reduced from 850k to 650k due to yearling to sub-yearling transition.	NC	NC
Lyons Ferry Fish Hatchery – Sub-Yearling (SnakeR)	NC	NC	NC	NC	NC
<i>Nez Perce Tribal Hatchery Trap (SOP Section 4.2)</i>					
Nez Perce Tribal Hatchery (SnakeR)	NC	NC	NC	NC	NC

4.4. Early Rearing and Marking Plan for 2025 (Sub-Yearling BY 2024)

4.4.1. Early Rearing and Marking Plan for 2025 (Sub-Yearling BY 2024) – NARRATIVE

Here are examples of things managers were instructed to discuss for each release group, if there are departures from the norm (i.e., SOP). If no departure from the norm, enter NC for “No Change”.

- **Fish Health** - fish health issues, action taken and how was the treatment implemented, anticipated changes to normal fish health sampling or treatments
- **Fish feeding** - changes of diets of feed manufacturer, growth regimes etc.
- **Rearing conditions** - incubation, water temp, flow, rearing density changes
- **Marking** - e.g. schedule changes, planned changes to fish handling or movement, marking schedule, raceway loading for PBT etc.
- **Current Inventory** - . If projected marking lines up with the current inventory, then no comment is needed at this bullet (enter NC). If current inventory is significantly above or below the projected numbers, then explain why.

Release Location	Plan for 2025 (Sub-Yearling BY 2024)				
	Juvenile Fish Health	Fish Feeding	Rearing Conditions	Marking	Meets Release Target
<i>Nez Perce Tribal Hatchery (SOP Section 4.2)</i>					
Nez Perce Tribal Hatchery (Clw R.)	NC	NC	NC	NC	NC
N. Lapwai Valley (Clw R.)	NC	NC	NC	NC	NC
Luke’s Gulch (SF Clw R.)	NC	NC	NC	NC	NC
Cedar Flats (Selway R.)	NC	NC	NC	NC	NC
<i>Lyons Ferry Fish Hatchery (SOP Sections 4.3)</i>					
Big Canyon Creek Sub-Yearling ¹	NC	NC	NC	CWTs reduced to 100k	NC
Big Canyon Creek Sub-Yearling ¹	NC	NC	NC	CWTs reduced to 100k	NC

¹ Two separate release goals at Big Canyon Creek (different release dates)

5. Lamprey

5.1. Releases in 2025 - Narrative

- **Release Targets-** Release Targets based on maximizing summer collections at Bonneville, The Dalles, and John Day dams (no longer limited by an allocation cap but seek collect as many lamprey as possible since trap efficiencies remain low). Summer trap collections far exceed the carrying capacity of holding tanks at NPTH, so the majority of outplants will be Direct Releases into the mainstem Clearwater River, with Conventional Overwintering decreased.
- **Fish Health-** Transferred from USFWS to WDFW and WSU/WADDL (mortalities only)
- **Transportation/Releases-** Releases of adult lamprey will continue with Direct Releases (trapped current Migration Year fish transported past all eight dams then released back into mainstem river to continue volitional migration) and Conventional Overwintering (trapped fish transported to hatchery and held overwinter in holding tanks then released the following spring in targeted tributaries).

Release Location	Plan for 2025		Changes/Conditions that Occurred 2024-Early 2025		
	Release Target ¹	Transport/Release	Fish Feeding	Fish Health	Marking
<i>Nez Perce Tribal Hatchery (SOP Section 5.1)</i>					
Asotin Creek	50 (MY24 overwintered)				
Potlatch River	50 (MY24 overwintered)				
Big Canyon Creek					
Orofino Creek	50 (MY24 overwintered)				
Lolo Creek	50 (MY24 overwintered)				
Newsome Creek	50 (MY24 overwintered)				
Red River					
Crooked River	50 (MY24 overwintered)				
Wallowa River		100 (MY25 direct release)			
Minam River		100 (MY25 direct release)			
Joseph Creek		100 (MY25 direct release)			
Slate Creek		100 (MY25 direct release)			
SF Salmon River		100 (MY25 direct release)			
Johnson Creek		100 (MY25 direct release)			
Secesh River		100 (MY25 direct release)			
MF Salmon River		100 (MY25 direct release)			
Mainstem Clearwater		4,200 (MY25 direct release)			
TOTAL RELEASED	300	5,000			

¹ Fish have been overwintered at the NPTH unless otherwise noted as a Direct Release.

5.2. Trap Operations for 2025

5.2.1. Trap Operations for 2025 - Narrative Trap operation targets based on maximization of summer collections at Bonneville, The Dalles, and John Day dams which are no longer limited by an allocation cap but seek to trap and collect as many lamprey as possible since trap efficiencies remain low.

Trapping Location	Plan for 2025				
	Adult Fish Health	Trap Ops	Trapping target changes	Holding protocol changes	Disposition of adults
<i>Primary Trapping Facilities (SOP Sections 5.1)</i>					
Bonneville Dam		3,500			
The Dalles Dam		1,000			
John Day Dam		500			

6. Appendices

6.1. Clearwater Brood Calculators

6.1.1. FULL PRODUCTION Brood Calculator

PROGRAM INPUTS							HISTORICAL HATCHERY PERFORMANCE METRICS (5-YR AVG)						FORM CALCULATED VALUES											
SPECIES	HATCHERY	PROGRAM	Life Stage	PREFERRED TRAPPING SITE	FORMAL RELEASE GOAL (F)	COMANAGER APPROVED CUSHION % (1)	% FEMALES IN BROODSTOCK (H)	% MORTALITY DURING HOLDING (I)	GREEN EGG FECUNDITY (J)	REMAINING AFTER DISEASE CULLING (2)	% SURVIVAL GREEN TO EYED EGG (L)	% SURVIVAL EYED EGG TO RELEASE (M)	RELEASE GOAL WITH CUSHION (N)	EYED EGGS (O)	GREEN EGGS (P)	GREEN EGGS BEFORE DISEASE CULL (Q)	FEMALES SPAWNED (R)	MALES SPAWNED (S)	TOTAL ADULTS SPAWNED (T)	TRAPPED ADULTS NEEDED (U)	ADULTS TRAPPED TO MEET 1:1 RATIO (V)	SMOLTS PER TRAPPED ADULTS NEEDED (W)	NOTE #	
STLHD	DNFH	MS Clearwater at DNFH		DNFH	1,200,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	1,260,000	1,538,462	1,756,235	1,919,382	259	259	518	563	563	2,238		
		Red House Hole - SF Clw		SFCIw Angler	400,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	420,000	512,821	585,412	639,794	87	87	174	189	189	2,222		
		Clear Creek		DNFH	300,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	315,000	384,615	439,059	479,846	65	65	130	142	142	2,218		
		Lolo Creek		SFCIw Angler	200,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	210,000	256,410	292,706	319,897	44	44	88	96	96	2,188		
	CFH	Clearwater		SFCIw Angler	843,000	3%	50.0%	3.5%	7,643	98.4%	79.4%	77.2%	868,290	1,124,146	1,416,336	1,439,365	189	189	378	392	392	2,215		
SP/SU CHIN	DNFH	NF Clearwater (DNFH)		DNFH	1,650,000	4%	50.0%	2.9%	3,792	90.4%	95.0%	91.9%	1,718,750	1,870,239	1,968,673	2,177,736	575	575	1,150	1,185	1,185	1,450	(3)	
		Trans. to NPTH-NPTH		DNFH	200,000	4%	50.0%	2.9%	3,792	90.4%	95.0%	91.9%	208,333	226,696	238,627	263,968	70	70	140	145	145	1,437		
		Trans. to NPTH-Lapwai Creek		DNFH	200,000	4%	50.0%	2.9%	3,792	90.4%	95.0%	91.9%	208,333	226,696	238,627	263,968	70	70	140	145	145	1,437	(4)	
	KNFH	Kooskia NFH		KNFH	650,000	5%	50.0%	10.0%	3,150	94.5%	94.5%	90.0%	684,211	760,234	804,480	851,302	271	271	542	603	603	1,135		
	CFH	Red River		SFCIw	1,280,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	1,280,000	1,400,131	1,512,021	1,647,081	462	462	924	973	973	1,316		
		Selway River-Lower		DNFH	400,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	400,000	437,541	472,507	514,713	145	145	290	306	306	1,307		
		Clear Creek		KNFH/DNFH	720,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	720,000	787,574	850,512	926,483	260	260	520	548	548	1,314		
		NF Clearwater-CFH (Early)		DNFH	389,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	389,000	425,509	459,513	500,558	141	141	282	297	297	1,310	(5)	
		NF Clearwater-CFH (Late)		DNFH	320,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	320,000	350,033	378,005	411,770	116	116	232	245	245	1,306	(6)	
		Powell Pond (SPR)		Powell	640,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	640,000	700,066	756,010	823,541	231	231	462	487	487	1,314		
		Lolo Cr (Clw)	Pre-Smolt	NPTH	150,000	1%	50.0%	4.5%	3,782	92.0%	90.0%	92.0%	151,515	164,690	182,989	198,901	53	53	106	111	111	1,365		
	NPTH	Newsome Cr (SF Clw)	Pre-Smolt	NPTH	75,000	1%	50.0%	4.5%	3,782	92.0%	90.0%	92.0%	75,758	82,345	91,495	99,451	27	27	54	57	57	1,329		
		Lolo Creek	Smolt	NPTH	200,000	1%	50.0%	4.5%	3,782	92.0%	90.0%	92.0%	202,020	219,587	243,986	265,202	71	71	142	149	149	1,356		
FACH	NPTH	Snake River		LGR/NPTH	1,400,000	1%	50.0%	5.0%	4,174	96.0%	90.0%	92.4%	1,414,000	1,529,641	1,699,601	1,770,418	425	425	850	895	895	1,580		
COHO	DNFH	Clearwater			1,050,000	10%	49.3%	15.1%	2,488	97.3%	80.2%	81.2%	1,155,000	1,421,888	1,773,370	1,822,955	733	755	1,488	1,753	1,701	659		
	Cascade FH	Clearwater			500,000			15.0%	2,753				500,000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!		
												CELL FORMULAS	F*(1+G)	N/(M)	O/(L)	P/(K)	ROUNDUP (Q/J,0)	R/(H)-R	R+S	ROUNDUP (T/(1-I),0)	ROUNDUP P/R/(1-H)/(1-I),0)	N/U		

(1) In the 2013 AOP process, the co-managers approved a 10% cushion to meet release targets

50

(1) In the 2013 AOP process, the co-managers approved a 10% cushion to meet release targets

(2) Culling of eggs for BKD, IHN, etc.

(3) Includes the New Production started in BY2015. Added production by increasing densities to 65k in all B-Bank rcwys.

(4) New production started in BY2015, Lapwai release group.

(5) NEW PRODUCTION in 2015. First timing rearing smolt in the adult holding ponds

(6) NEW PRODUCTION in 2015. Increasing rearing densities across raceways and spreading the new smolts across release groups

6.1.2. US v OR Brood Calculator

PROGRAM INPUTS							HISTORICAL HATCHERY PERFORMANCE METRICS (5-YR AVG)						FORM CALCULATED VALUES																																										
SPECIES	HATCHERY	PROGRAM	Life Stage	PREFERRED TRAPPING SITE	FORMAL RELEASE GOAL (F)	COMANAGER APPROVED CUSHION % (1)	% FEMALES IN BROODSTOCK (H)	% MORTALITY DURING HOLDING (I)	GREEN EGG FECUNDITY (J)	REMAINING AFTER DISEASE CULLING (2)	% SURVIVAL GREEN TO EYED EGG (L)	% SURVIVAL EYED EGG TO RELEASE (M)	RELEASE GOAL WITH CUSHION (N)	EYED EGGS (O)	GREEN EGGS (P)	GREEN EGGS BEFORE DISEASE CULL (Q)	FEMALES SPAWNED (R)	MALES SPAWNED (S)	TOTAL ADULTS SPAWNED (T)	TRAPPED ADULTS NEEDED (U)	ADULTS TRAPPED TO MEET 1:1 RATIO (V)	SMOLTS PER TRAPPED ADULTS NEEDED (W)	NOTE #																																
STLHD	DNFH	MS Clearwater at DNFH		DNFH	1,200,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	1,260,000	1,538,462	1,756,235	1,919,382	259	259	518	563	563	2,238																																	
		Red House Hole - SF Clw		SFClw Angler	400,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	420,000	512,821	585,412	639,794	87	87	174	189	189	2,222																																	
		Clear Creek		DNFH	300,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	315,000	384,615	439,059	479,846	65	65	130	142	142	2,218																																	
		Lolo Creek		SFClw Angler	200,000	5%	50.0%	7.9%	7,417	91.5%	87.6%	81.9%	210,000	256,410	292,706	319,897	44	44	88	96	96	2,188																																	
	CFH	Clearwater		SFClw Angler	843,000	3%	50.0%	3.5%	7,643	98.4%	79.4%	77.2%	868,290	1,124,728	1,416,534	1,439,567	189	189	378	392	392	2,215																																	
SP/SU CHIN	DNFH	NF Clearwater (DNFH)		DNFH	1,350,000	4%	50.0%	2.9%	3,792	90.4%	95.0%	91.9%	1,406,250	1,530,196	1,610,732	1,781,784	470	470	940	969	969	1,451	(3)																																
		Trans. to NPTH-NPTH		DNFH	200,000	4%	50.0%	2.9%	3,792	90.4%	95.0%	91.9%	208,333	226,696	238,627	263,968	70	70	140	145	145	1,437																																	
		Trans. to NPTH-Lapwai Creek		DNFH	200,000	4%	50.0%	2.9%	3,792	90.4%	95.0%	91.9%	208,333	226,696	238,627	263,968	70	70	140	145	145	1,437	(4)																																
	KNFH	Kooskia NFH		KNFH	650,000	5%	50.0%	10.0%	3,150	94.5%	94.5%	90.0%	684,211	760,234	804,480	851,302	271	271	542	603	603	1,135																																	
	CFH	Red River		SFClw	1,100,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	1,100,000	1,203,238	1,299,393	1,415,461	397	397	794	836	836	1,316																																	
		Selway River-Lower		DNFH	400,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	400,000	437,541	472,507	514,713	145	145	290	306	306	1,307																																	
		Clear Creek		KNFH/DNFH	635,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	635,000	694,596	750,104	817,107	230	230	460	485	485	1,309																																	
		NF Clearwater-CFH (Baffle)		DNFH	0	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	0	0	0	0	0	0	0	0	0	#DIV/0!	(5)																																
		NF Clearwater-CFH (Regular)		DNFH	0	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	0	0	0	0	0	0	0	0	0	#DIV/0!	(6)																																
		Powell Pond (SPR)		Powell	640,000	0%	50.0%	5.0%	3,568	91.8%	92.6%	91.4%	640,000	700,066	756,010	823,541	231	231	462	487	487	1,314																																	
	NPTH	Lolo Cr (Clw)	Pre-Smolt	NPTH	150,000	1%	50.0%	4.5%	3,782	92.0%	90.0%	92.0%	151,515	164,690	182,989	198,901	53	53	106	111	111	1,365																																	
		Newsome Cr (SF Clw)	Pre-Smolt	NPTH	75,000	1%	50.0%	4.5%	3,782	92.0%	90.0%	92.0%	75,758	82,345	91,495	99,451	27	27	54	57	57	1,329																																	
		Lolo Creek		NPTH	200,000	1%	50.0%	4.5%	3,782	92.0%	90.0%	92.0%	202,020	219,587	243,986	265,202	71	71	142	149	149	1,356																																	
FACH	NPTH	Snake River		LGR/NPTH	1,400,000	1%	50.0%	5.0%	4,167	96.0%	90.0%	92.4%	1,414,000	1,529,641	1,699,601	1,770,418	425	425	850	895	895	1,580																																	
COHO	DNFH	Clearwater			1,050,000	10%	49.3%	15.1%	2,488	97.3%	80.2%	81.2%	1,155,000	1,421,888	1,773,370	1,822,955	733	755	1,488	1,753	1,701	659																																	
	Cascade FH	Clearwater			500,000								500,000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!																																	
										CELL FORMULAS				F*(1+G)				N/(M)				O/(L)				P/(K)				ROUNDUP (Q/I,0)				R/(H)-R				R+S				ROUNDUP P (T/(1-I),0)				ROUNDUP P (R/(1-H)/(1-I),0)				N/U					

(1) In the 2013 AOP process, the co-managers approved a 10% cushion to meet release targets

(2) Culling of eggs for BKD, IHN, etc.

(3) Includes the New Production started in BY2015. Added production by increasing densities to 65k in all B-Bank rcwys.

(4) New production started in BY2015, Lolo release group.

(5) NEW PRODUCTION in 2015. First timing rearing smolt in the adult holding ponds

(6) NEW PRODUCTION in 2015. Increasing rearing densities across raceways and spreading the new smolts across release groups

6.2. Sites, release numbers for adult Spring Chinook Salmon, when all Clearwater Basin Production Programs are above broodstock, harvest and C&S needs.*

Release Location	Hatchery Source	Guideline Range	Proposed Max
<i>Selway Basin</i>			
McGruder	RR, NPTH, Clear, DNFH, KNFH	800 - 1,000	6,000
O'Hara Creek	RR, NPTH, Clear, DNFH	200	
Lower Selway	RR, NPTH, Clear, DNFH, KNFH	0 - 2,000	3,400
<i>SF Clearwater R.</i>			600
Mill Creek	RR, NPTH, Clear, DNFH	150	
Meadow Creek	RR, NPTH, Clear, DNFH	150 - 300	
SF Clearwater R.	RR, NPTH, Clear, DNFH	0 - 500	
Crooked River	RR, NPTH, Clear, DNFH	0 - 500	
Lolo Creek	RR, NPTH, Clear, DNFH	0 - 500	
<i>Lochsa River</i>			
Main Lochsa, Badger Cr., Boulder Cr.	RR, NPTH, Clear, DNFH	500	
	TOTAL	1,800 - 4,650	10,000

*Release Locations are not prioritized. If guideline range is likely to be exceeded, co-managers will discuss disposition of excess fish.

*Weekly conference calls are scheduled for Tuesdays, to keep all parties updated, informed, and coordinated on in-season run development, harvest estimates, broodstock collection, outplanting plans, etc...

6.3. Proposed hatchery identifying marks for adult spring Chinook salmon outplanting in the Clearwater River.

Hatchery / Location	Mark	Purpose
Dworshak	left opercle v-notch	outplant
Kooskia	1) 1 right opercle v-notches	outplant / fishery recycle
	2) if recycle returnees - additional opercle v-notch	outplant / fishery recycle
Clear Creek above weir	right opercle v-notch	natural spawners
Lochsa (Powell satellite)	left opercle punch	fishery recycle / outplant
Red River/Crooked River	1) right opercle punch	fishery recycle
	2) 2 right opercle punches	outplant (early)
Rapid River	dorsal punch	Clearwater (Selway) outplants
Lolo Cr. weir	right opercle punch	Broodstock collection for NPTH
NPTH	left opercle punch	outplant / fishery recycled to Lenore Boat Launch