Table 1: Program Spe	ecifics																			1	PHOS/I			
		Broodstock		Allowa		ental Hand Broodsto		SA-listed NO	OR during		N	umber Releas	ed <sup>b</sup>					Prec	ocity		PHOS/			Year for pHOS/PNI
Program	Program Type	Needs HOR/NOR	Timing of Broodstock Collection	Fall Chinook	Spring Chinool	Coho	Chum	Summer Steelhead	Winter Steelhead	Marking/tagging (AD, CWT, Vent)	Annual Release Goal	5-year Average Production Level	Annual Max Production Level	Average Size Goal (fpp)	Release Time <sup>c</sup>	Voltionally Released	Release Location	Annual	5-year max	Site-Specific Measures	Year of Measure Implementation	First Year of Expected Effect	Limits	to Meet Expected Value
Grays River fall Chinook <sup>h, i</sup>	Conservation	154 NOR	Aug - Nov	850	-	1,050	8,750	-	-	100% CWT	361,000	368,220	379,050	80-90	May - July	No	Grays and/or WF Grays R.	<5%	≤3%	Install and operate an improved weir in Grays	2027	2027	PHOS ≤50%	2030
Beaver Creek coho	Integrated	337 NOR	Sept - Dec	770	-	2,500	1,500	-	-	180,000 AD, 45,000 AD+CWT	225,000	229,500	236,250	15	April - May	No	Beaver Creek @ RKm 0.7	<5%	≤3%	Continue operation of Elochoman R. weir	2025	2025	PHOS ≤30%	2028
Beaver Creek summer steelhead	Segregated			See Wash	ougal Sum	ımer Steel	lhead		ļ	100% AD	30,000	30,600	31,500	5.5	April - May	No	Beaver Creek @ RKm	<5%	≤3%	-	-		-	
Beaver Creek winter steelhead	Segregated	140 HOR	Late Nov -	20	-	500	500	-	-	100% AD	130,000	132,600	136,500	5.5	April - May	No	Beaver Creek @ Rkm	<5%	≤3%	-	-		-	-
Abernathy fall Chinook <sup>d, i</sup>	Conservation	48 NOR	Aug - Nov	850	-	1,750	300	-	-	100% CWT	113,000	115,260	118,650	80-90	May - July	TBD	Abernathy Creek @ RKm 4.9	<5%	≤3%	Install and operate weir in Abernathy Creek	2027	2027	PHOS≤50%	2030
Coweeman winter steelhead	Segregated		Se	e Kalama W	/inter Stee	lhead (seg	gregated	)		100% AD	12,000	12,240	12,600	5.5	April - May	Yes	Coweeman R.	<5%	≤3%	Continue pHOS control for winter steelhead program	2025	2025	pHOS ≤5.0%	2028
South Toutle summer steelhead	Segregated			See Wash	ougal Sum	ımer Steel	lhead			100% AD	25,000	25,500	26,250	5.5	April - May	Yes	SF Toutle R. @ RKm 16.1	<5%	≤3%	Continue pHOS control for summer steelhead program	2025	2025	pHOS ≤5.0%	2028
North Fork Toutle coho salmon	Integrated	96 NOR	Mid Aug - Dec	3,400	360	18,300	520	80	80	45,000 AD, 45,000 AD+CWT	90,000	91,800	94,500	15	April - May	Yes	Green R. @ RKm 1.3	<5%	≤3%	Continue status quo pHOS control	2025	2025	pHOS ≤30.0%	2028
North Fork Toutle fall Chinook salmon	Integrated	814 NOR	Mid Aug - Nov	3,400	360	18,300	520	80	80	1,000,000 AD, 100,000 AD+CWT	1,100,000	1,122,000	1,155,000	80	May - July	Yes	Green R. @ RKm 1.3	<5%	≤3%	Continue operation of SF Toutle and Green R. weirs	2025	2025	pHOS ≤30.0%	2029
Kalama fall Chinook salmon	Segregated	1200 HOR	July - Oct	9,200	550	3,150	275	1,500	3,000	1,800,00 AD, 200,000 AD+CWT	2,000,000	2,040,000	2,100,000	80	May - July	Yes	Kalama R. @ RKm 8.2	<5%	≤3%	-	-	-	-	-
Kalama coho salmon	Segregated	585 HOR	Oct - Dec	2,000	500	2,000	25	1,000	3,000	255,000 AD, 45,000 AD+CWT	300,000	306,000	315,000	17	April - May	No	Kalama R. @ RKm 16.1	<5%	≤3%	=	-	-	-	-
Kalama spring Chinook salmon	Segregated	569 HOR	Apr - July	2,000	500	2,000	25	1,000	3,000	425,000 AD, 225,000 Phase 1 <sup>1</sup> : AD+CWT 100,000 AD+CWT	750,000	765,000	787,500	10 Phase 1 <sup>f</sup> :	Last wk of March June	Yes	Kalama R. @ RKm 16.1 and/or Fallert Creek Hatchery @ RKm 8.2	<5%	≤3%	Continue operation of sorting facility at Kalama Falls H.	2025	2025	pHOS ≤10.0%	2028
										625,000 AD, Phase 2 <sup>6</sup> : 125,000 AD+CWT				Phase 2 <sup>6</sup> : 10	Last wk of March		ristency & number							
Kalama summer steelhead	Integrated	90 NOR	Apr - Nov	2,000	500	2,000	25	1,000	3,000	40,000 AD, 50,000 AD+CWT	90,000	91,800	94,500	5.5	April - May	No	Kalama R. @ RKm 16.1	<5%	≤3%	Continue pHOS control and NOR integration	2025	2025	PNI ≥0.67	2028
Kalama winter steelhead (integrated)	Integrated	45 NOR	Late Feb - Apr	2,000	500	2,000	25	1,000	3,000	45,000 AD	45,000	45,900	47,250	5.5-7.5	April - May	Yes	Kalama R. @ RKm 8.2	<5%	≤3%	Continue pHOS control and NOR integration	2025	2025	PNI ≥0.67	2028
Kalama winter steelhead (segregated)	Segregated	150 HOR	Dec - Mar	2,000	500	2,000	25	1,000	3,000	90,000 AD+CWT	90,000	91,800	94,500	5.5	April - May	No	Kalama R. @ RKm 16.1	<5%	≤3%	Continue pHOS control	2025	2025	pHOS ≤5.0% from seg program	2028
Salmon Creek/Klineline winter steelhead	Segregated		Se	e Kalama W	/inter Stee	lhead (seg	gregated	)		100% AD	40,000	40,800	42,000	7	April - May	No	Salmon Creek @ RKm 8.1	<5%	≤3%	Develop monitoring program estimating PHOS and genetic effects from KEWS release at Klineline	-	í	-	-
Washougal fall Chinook salmon	Integrated	978 NOR	Aug - Oct	4,200	-	1,200	275	450	60	1,100,000 AD, 100,000 AD+CWT	1,200,000	1,224,000	1,260,000	80	June	No	Washougal R. @ RKm 32.2	<5%	≤3%	Continue operation of Washougal R. weir	2025	2025	pHOS ≤30.0%	2028
Washougal coho salmon	Integrated	96 NOR	Oct - Dec	4,200	-	1,200	275	450	60	63,000 AD, 45,000 AD+CWT	108,000	110,160	113,400	15	April-May	No	Washougal R. @ RKm 32.2	<5%	≤3%	Continue operation of Washougal R. weir	2025	2025	pHOS ≤30.0%	2028
Washougal summer steelhead (Skamania H.)	Segregated	400 HOR	Apr - Sept	10	-	25	10	200	200	100% AD	70,000	71,400	73,500	5.5	April - May	No	WF Washougal R. @ RKm 1.61 and/or Mainstern Washougal @ RKm 5.63°	<5%	≤3%	Continue pHOS control for summer steelhead program	2025	2025	pHOS ≤5.0%	2028
Washougal winter steelhead (Skamania H.)	Integrated	42 NOR	Dec - May	Se	ee Wash si	ummer sth	hd, coho	, and fall Chi	nook	100% AD	60,000	61,200	63,000	5.5	April - May	No	WF Washougal R. @ RKm 1.61 and/or Mainstem Washougal @ RKm 5.63 <sup>e</sup>	<5%	≤3%	Terminate isolated winter steelhead hatchery program, conduct additional HOS removal when feasible. Initiate integrated winter steelhead hatchery program	2025	2025	PNI ≥0.67	2028
Rock Creek winter steelhead	Segregated		Se	e Kalama W	/inter Stee	lhead (seg	gregated	)		100% AD	20,000	20,400	21,000	5.5	April	No	Rock Creek @ RKm 0.1	<5%	≤3%	-	-	-	-	-
Klickitat coho salmon	Segregated	1,900 HOR			See W	ashougal/	coho			3,330,000 AD, 170,000 AD+CWT	3,500,000	3,570,000	3,675,000	20	April	Partial	Klickitat R. @ RM 42.3, 17.3 and 9.3	<5%	≤3%	-	-	-	-	-
Klickitat Skamania summer steelhead	Segregated			See Wash	ougal Sum	mer Steel	lhead			100% AD	90,000	91,800	94,500	5	April - May	No	Klickitat R. @ RM 28, 25, 18, and 10	<5%	≤3%	-	-	-	-	-
Ringold Springs coho salmon	Segregated	350 HOR	Oct - Dec	2,000	500	2,000	25	1,000	3,000	650,000 AD, 100,000 AD+CWT	750,000	765,000	787,500	15	April - May	Yes	Columbia R. @ RKm 567	<5%	≤3%	-	-	-	-	-
Ringold Springs steelhead	Segregated	373 HOR	Dec - May	-	-	-	-	50	-	180,000 AD and RV	180,000	183,600	189,000	5	April - May	Yes	Columbia R. @ RKm 348.3	<5%	≤3%	=	-	-	-	-

Note:

\*\*For integrated grograms, NOT collection limited to 33% of annual NOT return for each NOAs population; HORs will be used to backfill to broadstock need

\*\*Part integrated grograms, NOT collection in miles to 33% of annual NOT return for each NOAs population; HORs will be used to backfill to broadstock need

\*\*Palesase location and size at release may be found in the most current Fulure Bood Document. See link Below.

\*\*Early release may occur on the recommendation of fish health specialist or due to environmental conditions; i.e.g., drought)

\*\*2023-2040 Juvenile fail: Thinkow, bry registed trapping will be conducted from day 2-70 (each clemedar years). Up to 50% of out- elimpting natural orgin fry will be used for short-term rearing at Abemathy FTC. Less than 450 chum may be inadevertently collected, transported, and reared.

\*\*Juveniles may be based to a lower portion of the mainters where conditions at the release as les are not conductive to fish release.

\*Institut implementation will require—1-100,000 fas to be released as sub-yearing at 80/pc.

\*\*Long term implementation.\*\*

\*\*The turner number of suvenile Chrishook released will vary based on the projected abundance of natural orgin abundance of natural orgin fry will be used for short-term rearing at Abemathy FTC. Less than 450 chum may be inadevertently collected, transported, and reared.

\*\*Institute implementation will require—1-100,000 fas to be released as sub-yearing at 80/pc.

\*\*Long term implementation will require—1-100,000 fas to be released as sub-yearing at 80/pc.

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\*

table 2.11 oposeu i leasares anacape	cted pHOS/PNI levels by Watershed. Required actions by hatchery	facility and authorize	d take for Toutle Rein	roduction progra	m also included.	Author's	ed Take Asso	piotod with		
	P		Eve	ected pHOS/PNI I	ovel		ed Take Asso eintroduction			
Lower Columbia River Watersheds	Proposed Measures		Exp	ecieu priOS/PNI i	evet	routte Re	HOR Adult		Hatchery Faci	ity Site Specific Actions
	Action	Year of Implementation	Chinook	Coho	Steelhead	Spring Chinook	Fall Chinook	Coho	Facility	Action
	Installation and operation of an improved weir in Grays River	2027								
Grays/Chinook	Discontinue Grays River coho hatchery program	2025	pHOS = ≤50%	pHOS = ≤10%	-	-	-	-	-	-
	Discontinue Deep River coho net pen program	2027								
Elochoman/Skamokawa	Continued operation of Elochoman River weir	2025	pHOS = <50%	pHOS = s30%	-	-	-	-	Beaver Creek	WDFW will evaluate intake screens and address as needed
Mill/Abernathy/Germany	Installation and operation of weir in Germany and Abernathy Creek	2026 (Germany Cr.), 2027 (Abernathy Cr.)	pHOS = ≤50%	-	-	-	-	-	-	-
Coweemen	Continued operation of Coweeman River weir	2025	pHOS = <10%	pHOS = \$10%	pHOS= ≤5% for segregated winter steelhead	1	-	1		-
South Fork Toutle	Continued operation of South Fork Toutle River weir/Continue pHOS control	2025	pHOS = <30%	pHOS = ≤10%	pHOS = <5%	i	-	1	SF Toutle Acclimation Pond	WDFW will evaluate intake screens and address as needed
North Fork Toutle	Continue operation of North Fork Toutle (Green) River weir	2025	pHOS = ≤30%	pHOS = ≤30% <sup>b</sup>	pHOS = ≤5%	300°	300 <sup>f</sup>	450 <sup>d,f</sup>	North Toutle	Surface intake upgrade - 10 year capital plan
Cowlitz	-	-	pHOS = ≤30%	pHOS = ≤30%	-	-	-		-	-
Kalama	Continued operation of Kalama River weir/Continue pHOS control	2025	Spring Run: pHOS = \$10%		pHOS = <5% for seg programs and PNI		_		Kalama	WDFW will evaluate intake screens and address as needed
	Continue NOR integration for SU SH and WI SH programs		Fall Run: No pHOS limit		≥0.67 for int programs				Fallert Creek	Surface intake upgrade - 10 year capital plan
	Reduce Fallert Creek fall Chinook releases to 2 million smolts	2025								
Lewis	Initiate Lewis River coho program through HGMP submission	2027	pHOS = ≤10%	EF: pHOS = ≤10%	-	-	-	-	-	-
	Continued operation of Cedar Creek weir and Grist Mill trap; Conduct additional HOS removal when feasible.	2025								
	Continue operation of Washougal River weir  Continue pHOS control				pHOS = ≤5% for seg				Washougal	Intake upgrade to be completed 2029
Washougal	Conduct additional HOS removal when able  Terminate segregated WISH Hatchery Program/Initiate integrated  WISH Hatchery Program	2025	pHOS = <30%	pHOS = s30%	programs and PNI ≥0.67 for int programs	•	-	-	Skamania	WDFW will evaluate intake screens and address as needed
Toutle	-	-	-	-	-	-	-		-	-

Table 3: Authorized weir encounters as	nd mortalities for Adults, Jacks and Juveniles by watershed.																							
									Authorized \	Weir Encounters and Mo	rtalities*,b													
		NOR Adult & Jack Encou	nters						NOR Juv	enile Encounters					NOR Adult	& Jack Morta	lities				NOR Juve	nile Mortalitie	s	
Lower Columbia River Watersheds	Fall Chinook	Spring Chinook	Coho	Chum	Winter Steelhead	Summer Steelhead	Fall Chinook	Spring Chinook	Coho	Chum	Winter Steelhead	Summer Steelhead	Fall Chinook	Spring Chinook	Coho	Chum	Winter Steelhead	Summer Steelhead	Fall Chinook	Spring Chinook	Coho	Chum	Winter Steelhead	Summer Steelhead
Grays/Chinook	750	-	800	8,500	-	-	100	-	100	0	-	-	≤23	-	≤24	≤255	-	,	s3	-	s3	0	-	-
Elochoman/Skamokawa	750	-	2,000	1,000	-	-	100	-	100	0	-	-	≤23	-	≤60	≤30	-		s3		s3	0	-	-
Mill/Abernathy/Germany	750	-	1,500	250	-	-	100	-	100	0	-	-	≤23	-	≤45	≤8	-	-	≤3	-	≤3	0	-	-
Coweemen	1,600	-	800	100	50	10	100	-	100	0	100	0	≤48	-	≤24	≤3	≤2	1	≤3	-	≤3	0	≤3	0
South Fork Toutle	350	50	5,500	250	50	50	50	50	100	0	50	50	s11	s2	≤165	≤8	≤2	≤2	s2	≤2	≤3	0	≤2	s2
North Fork Toutle	2,700	250	12,300	250	10	10	100	100	100	0	100	0	≤81	≤8	≤369	≤8	1	1	≤3	≤3	≤3	0	≤3	0
Cowlitz		-	-	-	-	-	-	-	-		-		-	-	-	-	-	-		-	-	-	-	-
Kalama	7,200	50	1,150	250	0	500	50	50	100	0	50	50	≤216	s2	≤35	s8	0	≤15	s2	≤2	≤3	0	≤2	≤2
Lewis	1,200	50	1,200	250	250	50	100	50	100	0	50	50	≤36	s2	≤36	s8	≤8	≤2	≤3	≤2	≤3	0	≤2	≤2
Washougal	3,000	-	200	250	10	200	100	-	100	0	100	100	≤90	-	≤6	s8	1	≤6	≤3	-	≤3	0	≤3	≤3
Toutle		-	-	-			-	-	-		-		-	-		-	-	-		-	-	-	-	-

Table 4: Authorized encounters and mo	ortalities via other adult collection methods for Adults, Jack	s and Juveniles by watershe	d.																					
_							Authori	zed Encounters	and Mortalities	via other Adult Collection	n Methods (e.g., sein	ing, angling	g, etc.)											
		NOR Adult & Jack Enc	ounters						NOR Ju	renile Encounters					NOR Adult	& Jack Morta	alities				NOR Juve	nile Mortalitie	s	
Lower Columbia River Watersheds	Fall Chinook	Spring Chinook	Coho	Chum	Winter Steelhead	Summer Steelhead	Fall Chinook	Spring Chinook	Coho	Chum	Summer Wi Steelhead Stee	inter elhead (	Fall Chinook	Spring Chinook	Coho	Chum	Winter Steelhead	Summer Steelhead	Fall Chinook	Spring Chinook	Coho	Chum	Summer Steelhead	Winter Steelhead
Grays/Chinook	100		250	250		-	100	-	100	0	-	-	≤3		s8	≤B	-	-	≤3	-	≤3	0	-	-
Elochoman/Skamokawa		-	-	-	-	-	-	-	-	-	-		-		-		-	-		-	-	-	-	-
Mill/Abernathy/Germany	100	-	250	50	-	-	100	-	100	0	-		≤3	-	s8	≤2		-	≤3	-	≤3	0	-	
Coweemen	100		250	10	10	10	100	-	100	0	0 :	100	≤3	-	s8	1	1	1	≤3	-	≤3	0	0	≤3
South Fork Toutle	100	10	250	10	10	10	50	50	100	0	50	50	≤3	1	s8	1	1	1	s2	≤2	≤3	0	≤2	≤2
North Fork Toutle		-	-	-	-	-	-	-	-	-	-		-	-		-	-	-	-	-	-	-	-	-
Cowlitz		-	-	-	-	-	-	-	-	-	-		-	-		-	-	-	-	-	-	-	-	-
Kalama	500	50	250	10	10	50	50	50	100	0	50	50	s16	s2	s8	1	1	≤2	s2	≤2	≤3	0	≤2	≤2
Lewis	600		600	50	10	50	200	-	200	0	100 1	100	≤12	≤2	s12	≤2	1	s2	≤6	0	≤6	0	≤3	≤3
Washougal	250	-	250	50	50	50	100	-	100	0	100	100	≤8	-	s8	≤2	s2	≤2	≤3	-	≤3	0	≤3	£3
Toutle	250	50	250	10	10	10	100	100	100	0	0 '	100	<8	s2	<8	- 1	- 1	1	≤3	£3	s3	0	0	s3

<sup>\*\*\*</sup> incidental take of juvenile Coho at the North Toutle Hatchery is no more than 1,000 encounters and 30 montalities.\*\*

\*\*PHOS only applies to river reaches below the SRS on the NF Toutle.

\*\*Sometimes referred to as isolated

\*\*Five-wear period, after five-years HOR's may be passed upstream to supplement NOR's up to 200 fish.

\*\*Calama Hatchery stock

\*\*North Fork Toutle Hatchery stock

\*\*North Fork Toutle Hatchery stock

\*\*WDFW required to monitor distribution of spawners and progress of progam.

<sup>&</sup>lt;sup>a</sup> During broodstock collection and adult management activities.
<sup>b</sup> Adult management activities include, but are not limited to, broodstock collection, blodata collection, genetic sampling, marking and/or tagging.

Table 5: Incidental take associated with juvenile migrant monitioring in the Elochoman and MAG creeks, as well as RM&E activities related to Kalama River Research Program and North Fork Toutle River FCF.

		Kala	ıma River Re	search Progra	am			Abernati	hy Conserva	ion Hatchery	Program			North	Fork Toutle Rive	r Fish Colle	ction Facilit	y (FCF)
							М	IAG			Eloch/	Skam						
Life Stage	Disposition	Coho	Spring Chinook	Summer Steelhead <sup>a</sup>	Winter Steelhead <sup>a</sup>	LCR Fall Chinook	Coho	CR Chum	Eulachon	LCR Fall Chinook	Coho	CR Chum	Eulachon	Winter Steelhead <sup>c</sup>	Summer Steelhead <sup>c</sup>	Coho <sup>b</sup>	Fall Chinook <sup>b</sup>	Chum
Adult/Jack	Trap/Capture, Handle, Sample, Tag	1	502	1,012	1,552	≤15	45	≤45	≤90	≤5	15	≤15	≤30	1000	40	600	50	20
	Mortality	-	13	16	21	≤3	3	≤3	3	≤1	1	≤1	1	10	1	6	2	1
Juvenile	Trap/Capture, Handle, Sample, Tag	1,300	1,300	6,500	6,500	≤12,000	46,000	≤31,000	0	≤24,000	9,200	≤93,600	0	-	-		-	-
	Mortality	65	65	445 <sup>d</sup>	445 <sup>d</sup>	≤180	427	≤310	0	≤720	92	≤2,808	0	-	-	-	-	-
Egg/Fry	Trap/Capture, Handle, Sample, Tag	200	300	1,500	1,500	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mortality	10	15	115 <sup>d</sup>	115 <sup>d</sup>	-	-	-	-	-	-	-	-	-	-	-	-	-

<sup>&</sup>lt;sup>4</sup>Unable to distinguish WI and SU steelhead as juveniles. Encounters are managed as a combined total. <sup>b</sup>Adult and Jack

Table 6: Incidental take associated with juvenile migrant monitoring on the Grays River and RM&E activities associated with Columbia River Steelhead Population Abundance and Spawning Composition Monitoring

	i i												- 10					
		Grays C	Conservation	n Hatchery Pro	gram				Colun	ibia Kiver Stee	einead Popul	ation Abunda	nce and Spa	wning Comp M	onitoring			
												Steelhead						
		LCR Fall	LCR Coho	CR Chum	Eulachon	Ca	scade Sum	mer			Cascad	e Winter			Gorge Su	mmer	Gorg	ge Winter
Life Stage	Disposition	Chinook				Kalama	EF Lewis	Washougal	SF/NF Toutle	Coweeman	Kalama	EF Lewis	Salmon Creek	Washougal	Upper Gorge	White Salmon	Upper Gorge	Lower Gorge
Adult/Jack	Trap/Capture, Handle, Sample, Tag	≤5	≤15	≤15	≤30	Included in Kalama River Research	200	600	300	200	Included in Kalama River Research	200	100	600	600	300	200	200
Additionack	Mortality	1	1	1	1	Included in Kalama River Research	4	12	6	4	Included in Kalama River Research	4	2	12	12	6	4	4
Juvenile	Trap/Capture, Handle, Sample. Tag	≤24,000	≤15,000	≤833,000	0	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mortality	≤720	≤150	≤20,000	0	-	-	-	-	-	-	-	-	-	-	-	-	-
Egg/Fry	Trap/Capture, Handle, Sample, Tag	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mortality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 7a: Incidental take for associated RM&E activities related to Steelhead Genetic Monitoring program.

	ilicidelitat take loi assoc					0 1 - 0									Steelhead Gen	tic Monitor	ing Program	1														
									Steell	nead														ı	CR Chinook							
_			Cascade S	Summer					Cascad	le Winter				Gorge	Summer	Gorge	Winter	Cascade	Spring	Gorge Spring		Coastal F	all			Casc	ade Fall				Gorge Fal	ı
Life Stage	Disposition	Kalama	EF Lewis	NF Lewis	Washougal	SF Toutle	NF Toutle	Coweeman	Kalama	NF Lewis	EF Lewis	Salmon Creek	Washougal	Upper Gorge	White Salmon	Upper Gorge	Lower Gorge	Toutle	Kalama	White Salmon	Grays/ Chinook		MAG	AG Toutte Coweeman Kalama Lewis Salmon Washougat Go				Upper Gorge	Lower Gorge	White Salmon		
Adult/Jack	Trap/Capture, Handle, Sample, Tag	-	-	-	-	-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-
	Mortality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Juvenile	Trap/Capture, Handle, Sample, Tag	7,400	7,400	7,400	7,400	14,800	14,800	14,800	7,400	7,400	7,400	14,800	7,400	7,400	7,400	7,400	7,400	2,000	2,000	2,000	10,000	10,000	10,000	20,000	10,000	8,000	10,000	10,000	10,000	10,000	10,000	10,000
	Mortality	104	104	104	104	208	208	208	104	104	104	208	104	104	104	104	104	80	80	80	400	400	400	800	400	320	400	400	400	400	400	400
Egg/Fry	Trap/Capture, Handle, Sample, Tag	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mortality	-	-		-	-	-	-	-	-	-	-	-					-	-			-	-	-	-	-	-	-	-	-	-	

Table /b:	incidental take for associ	ateu Kriat acti	vittes retatet	i to Steemeat	J Genetic Pion	itoring program																			
												Steelhead C	enetic Mon	itoring Program	1										
						(	CR Chum											LCF	t Coho						
			Coast				Case	cade			Gor	rge		Coast					Cas	cade				G	Gorge
Life Stage	Disposition	Grays/ Chinook	Eloch/ Skam	MAG	Toutle	Coweeman	Kalama	Lewis	Salmon	Washougal	Lower Gorge	Upper Gorge/ White Salmon	Grays/ Chinook	Eloch/ Skam	MAG	SF Toutle	NF Toutle	Coweeman	Kalama	NF Lewis	EF Lewis	Salmon	Washougal	Lower Gorge	Upper Gorge/ White Salmon
Adult/Jack	Trap/Capture, Handle, Sample, Tag	-	-	-	-	-			-		-		-	-	-	-	-	-	-	-	-	-	-	-	-
	Mortality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Juvenile	Trap/Capture, Handle, Sample, Tag	100	100	100	20	20	20	20	20	20	100	20	10,000	10,000	10,000	10,000	10,000	10,000	8,000	10,000	10,000	7,400	10,000	10,000	10,000
	Mortality	10	10	10	2	2	2	2	2	2	10	2	400	400	400	400	400	400	320	400	400	104	400	400	400
Egg/Fry	Trap/Capture, Handle, Sample, Tag	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mortality	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-		-	-		-		-

<sup>&</sup>lt;sup>c</sup>Adult
<sup>d</sup> Includes some intentional lethal sampling

## **Table 8: Reporting Requirements**

	Reported Data	Reporting Specifications	Timeframe
	Number released		
	Dates <sup>b</sup>	Actual and proposed	
Dalassa Data	Locations		
Release Data	Size at release	Average	
	Precocial males	Estimated proportion released from each program	
	Tag/mark Information	Include proportion of unmarked fish released	
	Spawning distribution among populations	initial properties of annual real non-released	1
	Origin		
	Surival		A
Adult Data	Contribution to fisheries	By brood year and program	Annually - Including prior
Addit Data	Escapement		Fiscal Year <sup>a</sup>
	pHOS and/or gene flow	For ESA-listed salmonid populations affected by straying MA programs	
		FOI ESA-listed Satitionia populations affected by straying MA programs	
	Incidental take		
	Detected pathogens	Report in tables grouped by operators	
	Frequency of pathogen detection		
	Water withdrawal <sup>c</sup>	Report on each hatchery and acclimation Facility, including monthly estimates of surface water	
		withdrawls (in cfs) and ratio of withdrawal compared to the maximum water rights permit.	
		Estimated and the second secon	
	Intake screen	For intake screens that are not in compliance with current NMFS screening criteria, by January 1, 2027,	One-Time Report
		develop and submit, for NMFS concurrence, plans for upgrading the facility to meet the criteria	
	NPDES compliance records		
	,		
Facility Operations			
	Number of fish encountered and killed at weirs	HOS removal activities and broodstock collection locations/activities. Report on species, origin, life	
		stage, and release condition; including handling-related mortality by species.	
	Deviation of weir operation from HOF	Communicate any changes by April 30th of that year.	
	Solidan of Holi operation Holi Holi	osiminamoato any sinangoo by ripin ooti or that your	
	Population productivity and spawner distribution at weirs	Estimates	
	a optication productivity and spawner distribution at wells	Estimates	
			Annually - Including prior
	Incidental take		Fiscal Year a
	Kalama River Research Program		ristal Tedi
]	North Fork Toutle FCF operations		
	Spring/fall Chinook and coho reintroduction above SRS	Report on Results/Important Findings: e.g. estimate changes in spawner distribution at weirs (when	
	LCR fall Chinook salmon conservation programs	applicable), population productivity and handling mortalities by species at each weir.	
RM&E Activities	Lower Columbia River and tributary fishery monitoring		
	Incidental take		
	L	L	
]	PHOS survey protocols, geneflow monitoring methods and RM&E protocols and statements of	On, or before January 1 of each year for NMFS concurrence. On, or before, March 1 of each year if	
]	work	protocols and methods deviate from methods used in the analysis of the Opinion.	
			1
	Findings on annual surveys, or other acceptable methods, to determine timing, abundance,		
Other	origin and distribution of Chinook, coho, chum, and summer/winter steelhead.		
		If methods or models are modified, NMFS will be notified within the calendar year of performing the	
	Describes methods and models used to estimate/predict pHOS for LCR coho and Chinook	modification. Completed prior to 2026	One-Time Report
		mounisation. Completed prior to 2020	

## Notes:

<sup>&</sup>lt;sup>a</sup> Reporting timeframe and duration may be adjusted by NMFS.

<sup>&</sup>lt;sup>b</sup> If feasible communicate early release of hatchery fish prior to release, but after release is allowable in cases of emergency.

<sup>&</sup>lt;sup>c</sup> Refer to <u>Hatchery Operation Framework for the Mitchell Act-funded hatchery programs</u> (12-2024), within the Biological Assessment, for water rights and allowances.