

Fund	04M
EAI	1M0

Program	Index	FY-01			FY-02			BN-Total		
		Allotment	Expenditure	Variance	Allotment	Expenditure	Variance	Allotment	Expenditure	Variance
51102	FP Indirect Recovery	79,340	79,340	0	66,950	16,740	50,210	146,290	96,080	50,210
52102	Fish Health PSRFE	50,550	40,600	9,950	52,320		52,320	102,870	40,600	62,270
53422	PSRFE Marblemount Coho	6,000	6,400	(400)	6,000		6,000	12,000	6,400	5,600
53455	PSRFE Wallace R	220,657	174,202	46,455	238,943	43,373	195,570	459,600	217,575	242,025
53463	PSRFE Wallace R Coho	25,100	25,100	0	25,100		25,100	50,200	25,100	25,100
53465	PSRFE Icy Crk	78,200	95,648	(17,448)	78,200	28,128	50,072	156,400	123,776	32,624
53475	PSRFE Soos Crk Htch	198,800	210,794	(11,994)	198,800	29,521	169,279	397,600	240,315	157,285
53604	PSRFE Garrison Spr Ops	153,600	166,057	(12,457)	126,000	43,953	82,047	279,600	210,010	69,590
53605	DJ Salmon FY18 Garrison Spr Htch	3,539	3,709	(170)	0	0	0	3,539	3,709	(170)
53636	PSRFE Hoodsport Htch	85,200	83,057	2,143	85,200	6,628	78,572	170,400	89,685	80,715
53671	PSRFE Hupp Coho	23,172	30,110	(6,938)	26,828	2,978	23,850	50,000	33,088	16,912
53673	PSRFE Garrison Late-Release	35,933	37,611	(1,678)	22,267	6,168	16,099	58,200	43,779	14,421
53674	PSRFE Minter Crk Hatchery Yearlings	0	0	(0)	0		0	0	0	(0)
53675	PSRFE Minter Crk/Gorst Crk Hatchery	39,535	38,784	751	29,465	0	29,465	69,000	38,784	30,216
54638	PSRFE -Cutthroat Research	0	0	0	0		0	0	0	0
54910	PSRFE Coord	75,253	47,249	28,004	77,601	36,927	40,674	152,854	84,176	68,678
54911	PSRFE Glenwood Springs LLTK	30,000	12,000	18,000	30,000		30,000	60,000	12,000	48,000
54912	PSRFE Goal Development	89,112	28,810	60,302	89,405	133	89,272	178,517	28,942	149,575
54915	PSRFE Mrk	111,600	122,707	(11,107)	111,600	0	111,600	223,200	122,707	100,493
57640	PSRFE Voights Crk Zeroes	64,300	65,979	(1,679)	64,300		64,300	128,600	65,979	62,621
57670	PSRFE Minter Crk Zeroes	31,359	32,049	(690)	53,641	21,348	32,293	85,000	53,397	31,603
Grand Total		1,401,250	1,300,204	101,046	1,382,620	235,897	1,146,723	2,783,870	1,536,101	1,247,769

Proposal for PSFRE funding of increased CWT:

Drop 200k at Icy Creek completely unless PSFRE wants to fund.

Keep 100k yearling at Hoodsport

Fund up to 200k at Tumwater Falls-4-50k uniquely tagged groups-differential survival across release spectrum 1 early 2 normal 1 late timed.

Fund 200k SY out of Hoodsport split into 2-100k groups for early and normal time release, additional funding through a grant for the 100k late release may be forthcoming.

Master Angler Permit Program proposal

What is a Master Angler Permit Program?

The master Angler Permit Program is being developed to promote ethical, responsible, and enhanced fishing opportunities. Master Anglers will promote support from the general public, practice the highest standards for fishing, enhance landowner-angler relations, engage program applicants and participate in volunteer conservation projects that benefit fisheries, fisheries habitat, fishing access on private land, and associated agency priorities.

What is a Master Angler?

Master Anglers are ambassadors to fishing in Washington State and should conduct themselves as role models for the rest of the fishing community. These members give back to the resource through their volunteer work and help promote fishing in our state. They also assist the department in collecting data in areas the department deems necessary.

What does it mean to be a Master Angler?

Being a Master Angler is a privilege, not a right. As such, if a Master Angler is not abiding by the highest ethical standards, they may be suspended or expelled from the program.

Those anglers who choose to enroll in the program should be motivated by giving back to the resource. They should also have a desire to continue to enhance their skills and be a role model of fishing knowledge. Training is only achieved through independent study. This allows the candidate to demonstrate their commitment to giving back the resource.

Master anglers may sometimes be called on to help the department collect data, harvest invasive species, or reach out to the community to educate them in times of need.

What does it take to become a Master Angler?

To become a certified Master Angler, each applicant is required to:

Be a Washington state resident

Demonstrate proficiency with at least one of the following: Saltwater angling, Freshwater river/stream angling, lake angling, and boat handling competency.

Provide at least 20 hours of volunteer service on a project benefiting fishing resources

Attend crime observation and reporting training

Receive a score of at least 80 percent on a written examination.

Sign an agreement to abide by the Master Anger Code of Ethics

Submit to and pass a law enforcement background check.

#	Program	Puget Sound Sport Adults per 100k released
1	Hoodsport Fall Yearling	213
2	Chambers Fall Late-Sub (Jumbo)	170
3	Wallace Summer Yearling	151
4	Chambers Fall Yearling	136
5	Icy Fall Subyearling	123
6	Minter Fall Subyearling	108
7	Gorst Fall Yearling	99
8	UW Fall Subyearling	98
9	Ricks Pond Fall Yearling	97
10	Grovers Fall Subyearling	95
11	Marblemount Spring Yearling	86
12	Bernie Gobin Summer Subyearling	84
13	Chambers Fall Subyearling	83
14	Bernie Gobin Fall Subyearling	77
15	Kalama Cr Fall Subyearling	76
16	Clear Creek Fall Subyearling	71
17	George Adams Subyearling	68
18	Hupp Spring Subyearling	67
19	Voight Fall Subyearling	66
20	Tumwater Fall Yearling	62
21	Soos Fall Subyearling	56
22	White River Spring Yearling	55
23	Tumwater Fall Subyearling	51
24	Diru Creek Fall Subyearling	51
25	Samish Fall Subyearling	49
26	Gorst Fall Subyearling	45
27	Hoodsport Fall Subyearling	44
28	Glenwood Fall Subyearling	44
29	Issaquah Fall Subyearling	43
30	Palmer Fall Subyearling	43
31	Clarks Creek Fall Subyearling	33
32	Upper Puyallup Fall Subyearling	33
33	Wallace Summer Subyearling	25
34	Whatcom Creek Subyearling	24
35	Whitehorse Summer Subyearling	23
36	Marblemount Spring Subyearling	22
37	Hamma Hamma Fall Subyearling	19
38	Lummi SeaPonds Fall Subyearling	18
39	Kendall Creek Spring Subyearling	17
40	Marblemount Fall Subyearling	14
41	Minter Creek Fall Yearling	12
42	Big Beef Creek Fall Subyearling	12
43	McCallister Creek Fall Subyearling	9
44	White River Spring Subyearling	6
45	Marblemount Summer Subyearling	6
46	Hupp Springs Spring Yearling	6
47	Upper Puyallup Spring Subyearling	4
48	Glenwood Fall Yearlings	2
49	Samish Fall Yearling	1

#	Program	PS Sport - May to September Adults per 100k released
1	Hoodsport Fall Yearling	140
2	Chambers Fall Late-Sub (Jumbo)	134
3	Chambers Fall Yearling	109
4	Icy Fall Subyearling	83
5	Minter Fall Subyearling	79
6	Wallace Summer Yearling	74
7	Grovers Fall Subyearling	70
8	Chambers Fall Subyearling	67
9	Gorst Fall Yearling	63
10	Bernie Gobin Fall Subyearling	62
11	Clear Creek Fall Subyearling	59
12	Ricks Pond Fall Yearling	58
13	Kalama Cr Fall Subyearling	55
14	Voight Fall Subyearling	54
15	Bernie Gobin Summer Subyearling	53
16	George Adams Subyearling	52
17	Soos Fall Subyearling	49
18	UW Fall Subyearling	48
19	Tumwater Fall Yearling	47
20	Diru Creek Fall Subyearling	47
21	Hupp Spring Subyearling	44
22	Tumwater Fall Subyearling	41
23	Gorst Fall Subyearling	36
24	Palmer Fall Subyearling	36
25	Hoodsport Fall Subyearling	35
26	Samish Fall Subyearling	34
27	Glenwood Fall Subyearling	32
28	Marblemount Spring Yearling	32
29	Issaquah Fall Subyearling	30
30	Upper Puyallup Fall Subyearling	27
31	White River Spring Yearling	21
32	Clarks Creek Fall Subyearling	20
33	Hamma Hamma Fall Subyearling	15
34	Whatcom Creek Subyearling	14
35	Wallace Summer Subyearling	12
36	Whitehorse Summer Subyearling	11
37	Marblemount Fall Subyearling	10
38	Lummi SeaPonds Fall Subyearling	9
39	McCallister Creek Fall Subyearling	8
40	Minter Creek Fall Yearling	8
41	Big Beef Creek Fall Subyearling	8
42	Kendall Creek Spring Subyearling	7
43	Marblemount Spring Subyearling	7
44	Marblemount Summer Subyearling	5
45	Hupp Springs Spring Yearling	2
46	White River Spring Subyearling	2
47	Glenwood Fall Yearlings	2
48	Samish Fall Yearling	1
49	Upper Puyallup Spring Subyearling	0

#	Program	PS Sport - Winter Blackmouth Adults per 100k released
1	Wallace Summer Yearling	77
2	Hoodsport Fall Yearling	73
3	Marblemount Spring Yearling	54
4	UW Fall Subyearling	50
5	Icy Fall Subyearling	40
6	Ricks Pond Fall Yearling	39
7	Gorst Fall Yearling	37
8	Chambers Fall Late-Sub (Jumbo)	36
9	White River Spring Yearling	34
10	Bernie Gobin Summer Subyearling	31
11	Minter Fall Subyearling	28
12	Chambers Fall Yearling	27
13	Grovers Fall Subyearling	25
14	Hupp Spring Subyearling	23
15	Kalama Cr Fall Subyearling	20
16	Chambers Fall Subyearling	16
17	George Adams Subyearling	16
18	Marblemount Spring Subyearling	16
19	Samish Fall Subyearling	15
20	Bernie Gobin Fall Subyearling	15
21	Tumwater Fall Yearling	14
22	Issaquah Fall Subyearling	13
23	Clarks Creek Fall Subyearling	13
24	Voight Fall Subyearling	13
25	Wallace Summer Subyearling	13
26	Clear Creek Fall Subyearling	12
27	Whitehorse Summer Subyearling	12
28	Glenwood Fall Subyearling	11
29	Tumwater Fall Subyearling	11
30	Whatcom Creek Subyearling	11
31	Kendall Creek Spring Subyearling	10
32	Hoodsport Fall Subyearling	9
33	Gorst Fall Subyearling	9
34	Lummi SeaPonds Fall Subyearling	8
35	Palmer Fall Subyearling	7
36	Soos Fall Subyearling	7
37	Upper Puyallup Fall Subyearling	5
38	Marblemount Fall Subyearling	5
39	Hamma Hamma Fall Subyearling	4
40	White River Spring Subyearling	4
41	Minter Creek Fall Yearling	4
42	Diru Creek Fall Subyearling	4
43	Big Beef Creek Fall Subyearling	4
44	Hupp Springs Spring Yearling	4
45	Upper Puyallup Spring Subyearling	4
46	Marblemount Summer Subyearling	2
47	McCallister Creek Fall Subyearling	1
48	Glenwood Fall Yearlings	0
49	Samish Fall Yearling	0

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Fall Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
WHATCOM CR HATCHERY	Whatcom Creek- W	1	-	-	-	-	-	-	1	-	-	-	10/24/18	
SAMISH HATCHERY	Samish River Hatchery Stock- H	7,943	92	8,640,000	50	-	4,547	-	-	-	1,568	1,870	10/24/18	
SAMISH HATCHERY	Unknown Stock- W	367	-	-	-	-	-	-	367	-	-	-	10/24/18	
TOKUL CR HATCHERY	Snoqualmie River Stock- W	51	8	-	-	-	-	-	59	-	-	-	10/09/18	
TOKUL CR HATCHERY	Unknown Stock- H	51	9	-	-	-	-	-	2	-	-	58	10/09/18	
GEORGE ADAMS HATCHERY	Skokomish River- H	23,794	5,292	2,276,048	-	-	3,862	-	-	-	797	24,427	10/22/18	
GEORGE ADAMS HATCHERY	Skokomish River- M	-	-	4,904,017	-	-	-	-	-	-	-	-	10/15/18	
HOODSPORT HATCHERY	Hoodsport Hatchery Stock- H	2,639	1,280	2,357,566	-	-	1,248	-	-	-	74	2,597	10/10/18	
ISSAQUAH HATCHERY	Issaquah Creek- H	1,715	70	-	6	3	1,049	-	25	-	575	127	10/24/18	
ISSAQUAH HATCHERY	Issaquah Creek- M	-	-	2,257,750	-	-	-	-	-	-	-	-	10/16/18	
ISSAQUAH HATCHERY	Issaquah Creek- W	50	1	-	3	-	35	-	2	-	11	-	10/24/18	
CEDAR RIVER HATCHERY	Cedar River- W	34	-	-	-	-	-	-	34	-	-	-	09/27/18	
CEDAR RIVER HATCHERY	Unknown Stock- H	5	-	-	-	-	-	-	5	-	-	-	09/28/18	
SOOS CREEK HATCHERY	Big Soos Creek- H	10,960	1,300	-	91	131	3,495	-	184	263	554	7,542	10/16/18	
SOOS CREEK HATCHERY	Big Soos Creek- M	-	-	8,297,500	-	-	-	-	-	-	-	-	10/10/18	

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Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SOOS CREEK HATCHERY	Big Soos Creek- W	1,129	50	-	-	22	788	-	16	259	87	7	10/22/18	
VOIGHTS CR HATCHERY	Puyallup River- H	5,452	1,026	-	-	-	1,142	-	-	330	1,050	3,956	10/09/18	
VOIGHTS CR HATCHERY	Puyallup River- M	-	-	2,193,000	-	-	-	-	-	-	-	-	10/02/18	
VOIGHTS CR HATCHERY	Puyallup River- W	12	1	-	-	-	13	-	-	-	-	-	10/02/18	
GARRISON HATCHERY	Garrison Springs Hatchery Stock- H	184	293	-	-	-	-	-	-	-	73	404	10/24/18	
TUMWATER FALLS HATCHERY	Deschutes River Hatchery Stock- H	11,445	910	5,555,120	9	15	3,262	-	-	-	16	9,053	10/15/18	
MINTER CR HATCHERY	Minter Creek Hatchery Stock- H	10,931	2,942	1,565,282	-	-	862	-	-	-	509	12,502	10/24/18	
GLENWOOD SPRINGS	Glenwood Springs- H	2	2	-	-	-	-	-	-	-	-	4	10/01/18	Final in-season estimate.
MORSE CREEK HATCHERY	Elwha River- H	13	-	-	9	-	-	-	-	-	4	-	09/23/18	
ELWHA HATCHERY	Elwha River- H	2,367	20	-	1,605	2	-	-	545	-	235	-	10/17/18	
HUMPTULIPS HATCHERY	Humptulips River- H	650	20	-	219	7	330	-	-	-	114	-	10/22/18	
HUMPTULIPS HATCHERY	Humptulips River- M	-	-	474,375	-	-	-	-	-	-	-	-	10/12/18	
MAYR BROTHERS REARIN	Wishkah River- H	14	-	5,000	8	-	4	-	-	-	2	-	10/09/18	
LK ABERDEEN HATCHERY	Wynoochee River- H	175	33	-	-	-	122	-	16	-	13	57	10/22/18	
LK ABERDEEN HATCHERY	Wynoochee River- M	-	-	273,000	-	-	-	-	-	-	-	-	10/22/18	

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Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
LK ABERDEEN HATCHERY	Wynoochee River- W	19	8	-	-	-	20	-	4	-	1	2	10/22/18	
WYNOOCHEE R DAM TRAP	Wynoochee River- H	2	-	-	1	-	-	-	1	-	-	-	10/16/18	
SATSOP SPRINGS PONDS	Satsop River- H	32	-	-	13	-	16	-	-	-	3	-	10/24/18	
SATSOP SPRINGS PONDS	Satsop River- M	-	-	40,000	-	-	-	-	-	-	-	-	10/24/18	
SATSOP SPRINGS PONDS	Satsop River- W	11	-	-	6	-	5	-	-	-	-	-	10/24/18	
FORKS CREEK HATCHERY	Willapa River- H	6,305	145	-	-	-	3,722	-	-	-	1,008	1,720	10/22/18	
FORKS CREEK HATCHERY	Willapa River- M	-	-	5,694,000	-	-	-	-	-	-	-	-	10/17/18	
FORKS CREEK HATCHERY	Willapa River- W	895	12	-	-	-	4	70	884	-	19	-	10/24/18	
NEMAH HATCHERY	Nemah River Hatchery Stock- H	4,370	176	1,062,000	12	2	723	-	-	-	3,609	200	10/22/18	
NEMAH HATCHERY	Nemah River- W	277	7	-	-	-	-	-	275	-	9	-	10/10/18	
NASELLE HATCHERY	Naselle River- H	2,753	136	-	-	-	1,126	-	-	-	624	1,139	10/23/18	
NASELLE HATCHERY	Naselle River- M	-	-	1,972,500	-	-	-	-	-	-	-	-	10/23/18	
NASELLE HATCHERY	Naselle River- W	426	6	-	-	-	-	244	428	-	4	-	10/23/18	
COWLITZ SALMON HATCHERY	Cowlitz River- H	739	119	118,100	417	48	155	-	111	-	127	-	10/24/18	
COWLITZ SALMON HATCHERY	Cowlitz River Hatchery Stock- H	223	88	-	174	82	44	9	-	-	11	-	10/24/18	
COWLITZ SALMON HATCHERY	Cowlitz River- M	-	-	599,900	-	-	-	-	-	-	-	-	10/16/18	

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COWLITZ SALMON HATCHERY	Cowlitz River- W	880	147	-	205	14	69	79	726	-	13	-	10/24/18	
NORTH TOUTLE HATCHERY	Toutle River- H	1,134	65	-	84	11	553	-	-	-	221	330	10/22/18	
NORTH TOUTLE HATCHERY	Toutle River- M	-	-	1,178,977	-	-	-	-	-	-	-	-	10/15/18	
NORTH TOUTLE HATCHERY	Toutle River- W	93	11	-	3	3	21	-	73	-	4	-	10/22/18	
KALAMA FALLS HATCHERY	Kalama Hatchery Stock- H	4,134	133	7,701,450	-	-	3,436	-	1	-	355	475	10/24/18	
KALAMA FALLS HATCHERY	Kalama River- W	498	51	-	-	-	-	-	546	-	3	-	10/24/18	
MODROW TRAP	Kalama Hatchery Stock- H	11,595	245	-	-	-	-	-	4	4,169	43	7,624	10/22/18	Shipped to Kalama Falls Hatchery.
MODROW TRAP	Kalama River- W	1,397	70	-	-	-	-	-	1,463	-	4	-	10/21/18	
LEWIS RIVER HATCHERY	Lewis River- W	11	-	-	-	-	-	-	11	-	-	-	10/16/18	
LEWIS RIVER HATCHERY	Unknown Stock- H	246	3	-	-	-	-	-	-	-	15	234	10/23/18	
MERWIN DAM FCF	Lewis River- W	159	74	-	-	-	-	-	228	-	5	-	10/24/18	
MERWIN DAM FCF	Unknown Stock- H	263	11	-	-	-	-	-	-	1	59	214	10/23/18	Shipped to Lewis River Hatchery.
WASHOUGAL HATCHERY	Washougal River- H	1,293	157	-	292	73	556	-	-	-	40	489	10/16/18	
WASHOUGAL HATCHERY	Washougal River Hatchery Stock- M	-	-	1,119,369	-	-	-	-	-	-	-	-	10/16/18	
WASHOUGAL HATCHERY	Washougal River- W	20	-	-	-	-	18	-	-	-	2	-	10/16/18	

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Fall Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
WASHOUGAL RIVER FISH WEIR	Washougal River- H	1,316	192	-	-	-	-	-	3	1,450	31	24	10/12/18	Shipped to Washougal Hatchery.
WASHOUGAL RIVER FISH WEIR	Washougal River- W	123	17	-	-	-	-	-	119	20	1	-	10/12/18	Shipped to Washougal Hatchery.
LYONS FERRY HATCHERY	Snake River- H	2,176	177	-	2,038	-	104	-	-	-	7	204	10/23/18	
LYONS FERRY HATCHERY	Snake River- M	-	-	592,000	-	-	-	-	-	-	-	-	10/23/18	
LYONS FERRY HATCHERY	Snake River- U	113	5	-	-	-	105	-	-	-	8	5	10/23/18	
PRIEST RAPIDS HATCHERY	Priest Rapids- H	6,676	726	-	2,551	-	189	-	-	-	86	4,576	10/23/18	
PRIEST RAPIDS HATCHERY	Priest Rapids- M	-	-	453,227	-	-	-	-	-	-	-	-	10/23/18	
PRIEST RAPIDS HATCHERY	Priest Rapids- U	757	-	-	752	-	-	-	-	-	5	-	10/22/18	

Spring Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
KENDALL CR HATCHERY	Nooksack River- H	1,708	68	-	-	-	1,048	-	-	-	386	342	08/29/18	
KENDALL CR HATCHERY	Nooksack River- M	-	-	1,973,035	-	-	-	-	-	-	-	-	08/28/18	
KENDALL CR HATCHERY	Nooksack River- W	9	-	-	-	-	9	-	-	-	-	-	08/22/18	
MARBLEMOUNT HATCHERY	Marblemount Hatchery Stock- H	2,303	30	2,014,958	-	-	830	-	-	-	100	1,403	09/06/18	

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Spring Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
MINTER CR HATCHERY	White River- H	1,552	537	691,200	-	-	462	-	-	-	419	1,208	10/04/18	
HURD CR HATCHERY	Dungeness River- H	117	-	-	51	-	17	-	49	-	-	-	08/28/18	
HURD CR HATCHERY	Dungeness River- M	-	-	46,600	-	-	-	-	-	-	-	-	08/28/18	
HURD CR HATCHERY	Dungeness River- W	37	-	-	22	-	1	-	14	-	-	-	08/28/18	
COWLITZ SALMON HATCHERY	Cowlitz River Hatchery Stock- H	2,591	119	2,832,200	-	-	1,523	-	993	-	172	22	10/06/18	
COWLITZ SALMON HATCHERY	Cowlitz River- W	154	10	-	-	-	-	-	164	-	-	-	09/25/18	
KALAMA FALLS HATCHERY	Cowlitz River- H	2	-	-	-	-	-	-	2	-	-	-	08/13/18	
KALAMA FALLS HATCHERY	Kalama Hatchery Stock- H	1,193	81	1,475,444	-	-	895	-	-	-	361	18	09/18/18	
KALAMA FALLS HATCHERY	Kalama River- W	62	2	-	-	-	-	-	59	-	5	-	10/04/18	
MODROW TRAP	Kalama Hatchery Stock- H	7	-	-	-	-	-	-	7	-	-	-	08/17/18	
LEWIS RIVER HATCHERY	Lewis River Hatchery Stock- H	919	14	-	-	-	-	-	370	533	30	-	08/28/18	Shipped to Speelyai Hatchery.
LEWIS RIVER HATCHERY	Lewis River- W	2	-	-	-	-	-	-	1	1	-	-	06/06/18	Shipped to Speelyai Hatchery.
MERWIN DAM FCF	Lewis River Hatchery Stock- H	2,013	66	-	-	-	-	-	326	1,739	13	1	09/02/18	Shipped to Lewis River and Speelyai Hatchery.
MERWIN DAM FCF	Lewis River- W	27	1	-	-	-	-	-	9	19	-	-	08/24/18	Shipped to Speelyai Hatchery.

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Spring Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SPEELYAI HATCHERY	Lewis River Hatchery Stock- H	1,598	36	2,498,000	-	-	1,343	262	-	-	278	13	09/18/18	
SPEELYAI HATCHERY	Lewis River- W	19	1	-	-	-	-	-	20	-	-	-	07/05/18	
LYONS FERRY HATCHERY	Tucannon River Stock- H	258	59	-	-	-	106	-	182	-	28	1	09/18/18	
LYONS FERRY HATCHERY	Tucannon River Stock- M	-	-	266,000	-	-	-	-	-	-	-	-	09/18/18	
LYONS FERRY HATCHERY	Tucannon River Stock- W	51	7	-	-	-	31	-	21	-	6	-	09/18/18	
TUCANNON HATCHERY	Tucannon River Stock- H	264	77	-	-	-	-	-	3	300	-	38	08/29/18	Shipped to Lyons Ferry Hatchery.
TUCANNON HATCHERY	Tucannon River Stock- W	79	11	-	-	-	-	-	15	75	-	-	09/11/18	Shipped to Lyons Ferry Hatchery.
EASTBANK HATCHERY	Chiwawa River- H	62	-	16,000	5	-	56	-	-	-	-	1	09/11/18	
EASTBANK HATCHERY	Chiwawa River- W	37	-	65,800	-	-	31	4	4	-	2	-	09/11/18	
EASTBANK HATCHERY	Nason Creek- H	56	1	122,000	-	-	54	1	-	-	2	1	09/11/18	
EASTBANK HATCHERY	Nason Creek- W	74	-	128,800	5	-	53	11	15	-	1	-	09/18/18	
EASTBANK HATCHERY	Wenatchee River- H	30	19	-	-	-	-	-	49	-	-	-	10/10/18	
EASTBANK HATCHERY	Wenatchee River- W	11	5	-	-	-	-	-	16	-	-	-	09/28/18	
CHIWAWA HATCHERY	Chiwawa River- H	61	-	-	-	-	-	-	61	-	-	-	07/07/18	

WDFW In-Season Hatchery Escapement Report

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Spring Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
CHIWAWA HATCHERY	Chiwawa River- W	38	4	-	-	-	-	-	4	38	-	-	07/07/18	Shipped to Eastbank Hatchery.

Summer Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
MARBLEMOUNT HATCHERY	Skagit River- H	4	-	-	-	-	4	-	-	-	-	-	10/09/18	
MARBLEMOUNT HATCHERY	Skagit River- M	-	-	238,733	-	-	-	-	-	-	-	-	10/09/18	
MARBLEMOUNT HATCHERY	Skagit River- W	75	-	-	-	-	75	7	-	-	-	-	10/09/18	
WHITEHORSE POND	Stillaguamish River- H	8	98	-	-	-	-	-	86	20	-	-	10/05/18	
WHITEHORSE POND	Stillaguamish River- W	1	2	-	-	-	-	-	2	1	-	-	09/24/18	
SUNSET FALLS FCF	Skykomish River- H	4	4	-	-	-	-	-	8	-	-	-	09/17/18	
SUNSET FALLS FCF	South Fork Skykomish River- W	93	25	-	-	-	-	-	118	-	-	-	10/11/18	
WALLACE R HATCHERY	Skykomish River- H	4,416	338	-	-	-	2,109	-	28	-	1,310	1,307	10/22/18	
WALLACE R HATCHERY	Skykomish River- M	-	-	4,427,334	-	-	-	-	-	-	-	-	10/01/18	
SOLDUC HATCHERY	Sol Duc River- H	603	82	-	-	-	566	-	-	-	71	48	10/03/18	
SOLDUC HATCHERY	Sol Duc River- M	-	-	1,094,400	-	-	-	-	-	-	-	-	10/03/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Summer Chinook

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SOLDUC HATCHERY	Sol Duc River- W	47	1	-	-	-	43	-	-	-	5	-	10/03/18	
EASTBANK HATCHERY	Chelan Falls Channel Eastbank- H	384	-	-	384	-	-	-	-	-	-	-	08/01/18	
EASTBANK HATCHERY	Methow Okanogan Mixed- W	136	-	-	131	-	-	-	-	-	5	-	08/23/18	
EASTBANK HATCHERY	Wenatchee River- H	158	38	-	3	-	-	-	193	-	-	-	10/12/18	
EASTBANK HATCHERY	Wenatchee River- W	238	8	-	212	-	-	-	33	-	1	-	10/11/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SAMISH HATCHERY	Samish- W	584	12	-	-	-	-	-	596	-	-	-	10/24/18	
BAKER LK HATCHERY	Baker River- U	76	-	-	76	-	-	-	-	-	-	-	10/19/18	
MARBLEMOUNT HATCHERY	Skagit River- H	1,260	140	-	243	-	-	-	-	-	-	1,157	10/03/18	
SUNSET FALLS FCF	South Fork Skykomish River- W	7,727	60	-	-	-	-	-	7,629	158	-	-	10/12/18	Shipped to Wallace River Hatchery.
WALLACE R HATCHERY	Skykomish River- H	2,125	1	-	2,051	-	-	-	-	-	75	-	10/24/18	
GEORGE ADAMS HATCHERY	George Adams Hatchery Stock- H	1,081	133	356,352	-	-	329	-	-	-	6	879	10/22/18	
HOODSPORT HATCHERY	Unknown Stock- H	16	3	-	-	-	-	-	-	-	-	19	10/10/18	
ISSAQUAH HATCHERY	Issaquah Creek- H	560	20	-	525	16	-	-	-	-	11	28	10/24/18	
ISSAQUAH HATCHERY	Issaquah Creek- W	35	-	-	35	-	-	-	-	-	-	-	10/22/18	
SOOS CREEK HATCHERY	Green River- H	1,000	300	-	990	300	-	-	-	10	-	-	10/15/18	
SOOS CREEK HATCHERY	Green River- W	1,000	300	-	1,000	300	-	-	-	-	-	-	10/15/18	
VOIGHTS CR HATCHERY	Puyallup River- H	2,237	19	-	1,300	-	511	-	-	-	3	442	10/23/18	
VOIGHTS CR HATCHERY	Puyallup River- M	-	-	590,000	-	-	-	-	-	-	-	-	10/23/18	
GARRISON HATCHERY	Chambers Creek- W	30	1	-	-	-	-	-	31	-	-	-	10/24/18	
GARRISON HATCHERY	Unknown Stock- H	9	-	-	-	-	-	-	9	-	-	-	10/24/18	

WDFW In-Season Hatchery Escapement Report

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Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
TUMWATER FALLS HATCHERY	Unknown Stock- H	121	-	-	2	-	-	-	-	-	-	119	10/15/18	
MINTER CR HATCHERY	Minter Creek- H	6,831	293	-	1,614	121	-	-	-	-	62	5,327	10/24/18	
MINTER CR HATCHERY	Minter Creek- W	99	-	-	46	-	-	-	50	-	3	-	10/24/18	
DUNGENESS HATCHERY	Dungeness River Hatchery Stock- H	100	-	-	100	-	-	-	-	-	-	-	10/22/18	
MORSE CREEK HATCHERY	Morse Creek- W	1	-	-	-	-	-	-	1	-	-	-	09/25/18	
MORSE CREEK HATCHERY	Unknown Stock- H	2	-	-	-	-	-	-	2	-	-	-	10/06/18	
HUMPTULIPS HATCHERY	Humptulips River- H	100	25	-	100	25	-	-	-	-	-	-	10/22/18	
MAYR BROTHERS REARIN	Wishkah River- H	125	-	-	125	-	-	-	-	-	-	-	10/09/18	
LK ABERDEEN HATCHERY	Wynoochee River- H	23	-	-	23	-	-	-	-	-	-	-	10/14/18	
WYNOOCHEE R DAM TRAP	Wynoochee River- W	30	8	-	-	-	-	-	38	-	-	-	10/16/18	
FORKS CREEK HATCHERY	Willapa River- H	550	91	-	341	-	104	-	-	-	108	88	10/22/18	
FORKS CREEK HATCHERY	Willapa River- M	-	-	112,000	-	-	-	-	-	-	-	-	10/22/18	
FORKS CREEK HATCHERY	Willapa River- W	8	-	-	-	-	8	-	-	-	-	-	10/22/18	
NEMAH HATCHERY	Nemah River- W	4	-	-	-	-	-	-	4	-	-	-	10/15/18	
NEMAH HATCHERY	Unknown Stock- H	3	-	-	-	-	-	-	-	-	1	2	10/02/18	

WDFW In-Season Hatchery Escapement Report

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Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
NASELLE HATCHERY	Naselle River- H	1,807	1,031	-	1,000	-	352	-	-	-	484	1,002	10/23/18	
NASELLE HATCHERY	Naselle River- M	-	-	396,000	-	-	-	-	-	-	-	-	10/23/18	
NASELLE HATCHERY	Naselle River- W	27	35	-	-	-	16	-	40	-	6	-	10/23/18	

Summer Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SOLDUC HATCHERY	Sol Duc River- H	-	-	240,000	-	-	-	-	-	-	-	-	10/09/18	
SOLDUC HATCHERY	Solduc Hatchery- H	624	266	-	-	-	160	-	-	-	-	730	10/10/18	

Type N Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
COWLITZ SALMON HATCHERY	Cowlitz River Hatchery Stock- H	2,178	5,920	-	753	52	-	-	7,292	-	1	-	10/24/18	
COWLITZ SALMON HATCHERY	Cowlitz River- W	404	115	-	-	-	-	-	519	-	-	-	10/24/18	
COWLITZ SALMON HATCHERY	Upper Cowlitz River- H	2,596	5,730	-	1	3	-	-	8,322	-	-	-	10/24/18	
COWLITZ SALMON HATCHERY	Upper Cowlitz River- W	252	91	-	181	28	-	-	132	-	2	-	10/23/18	

WDFW In-Season Hatchery Escapement Report

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Type N Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
KALAMA FALLS HATCHERY	Kalama Hatchery Stock-H	8	62	-	6	3	-	-	-	-	-	61	10/22/18	
KALAMA FALLS HATCHERY	Kalama River- W	6	2	-	-	-	-	-	8	-	-	-	10/18/18	
MODROW TRAP	Kalama Hatchery Stock-H	170	14	-	-	-	-	-	183	-	1	-	10/21/18	
MODROW TRAP	Kalama River- W	29	2	-	-	-	-	-	31	-	-	-	10/14/18	
LEWIS RIVER HATCHERY	Lewis River- H	11	45	-	3	-	-	-	-	-	-	53	10/23/18	
MERWIN DAM FCF	Lewis River- H	6	64	-	-	-	-	-	8	-	-	62	10/23/18	
MERWIN DAM FCF	Lewis River- W	5	1	-	-	-	-	-	6	-	-	-	10/23/18	
WASHOUGAL RIVER FISH WEIR	Washougal River- H	100	2	-	-	-	-	-	101	-	1	-	10/13/18	
WASHOUGAL RIVER FISH WEIR	Washougal River- W	2	3	-	-	-	-	-	5	-	-	-	10/13/18	

Type S Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
NORTH TOUTLE HATCHERY	Toutle River- H	286	177	-	284	11	-	-	-	-	2	166	10/22/18	
NORTH TOUTLE HATCHERY	Toutle River- W	40	22	-	10	3	-	-	48	-	-	1	10/22/18	
KALAMA FALLS HATCHERY	Kalama River- W	10	2	-	-	-	-	-	12	-	-	-	10/24/18	

WDFW In-Season Hatchery Escapement Report

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Type S Coho

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
KALAMA FALLS HATCHERY	Unknown Stock- H	5	10	-	-	-	-	-	-	-	1	14	10/15/18	
MODROW TRAP	Kalama River- W	18	2	-	-	-	-	-	20	-	-	-	09/30/18	
MODROW TRAP	Unknown Stock- H	45	4	-	-	-	-	-	49	-	-	-	09/30/18	
LEWIS RIVER HATCHERY	Lewis River Hatchery Stock- H	2,970	3,006	-	-	-	-	-	900	1,173	201	3,702	10/23/18	Shipped to Speelyai Hatchery.
LEWIS RIVER HATCHERY	Lewis River- W	23	-	-	-	-	-	-	23	-	-	-	10/23/18	
MERWIN DAM FCF	Lewis River Hatchery Stock- H	768	976	-	-	-	-	-	446	263	68	967	10/24/18	Shipped to Lewis River and Speelyai Hatchery.
MERWIN DAM FCF	Lewis River- W	89	308	-	-	-	-	-	396	-	1	-	10/24/18	
SPEELYAI HATCHERY	Lewis River Hatchery Stock- H	1,319	72	1,222,000	348	47	948	-	-	-	40	8	10/24/18	
RINGOLD SPRINGS HATCHERY	Unknown Stock- H	1	-	-	-	-	-	-	1	-	-	-	10/03/18	
PRIEST RAPIDS HATCHERY	Unknown Stock- H	12	1	-	-	-	-	-	12	-	-	1	10/02/18	
PRIEST RAPIDS HATCHERY	Unknown Stock- W	4	-	-	-	-	-	-	4	-	-	-	10/08/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Sockeye

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
BAKER LK HATCHERY	Baker River- H	14	-	-	-	-	-	-	-	-	14	-	07/30/18	
BAKER LK HATCHERY	Baker River- M	-	-	1,508,099	-	-	-	-	-	-	-	-	10/16/18	
BAKER LK HATCHERY	Baker River- U	9,011	-	-	8,369	-	617	467	-	-	25	-	10/16/18	
SUNSET FALLS FCF	Unknown Stock- U	51	-	-	-	-	-	-	51	-	-	-	09/17/18	
GEORGE ADAMS HATCHERY	Unknown Stock- U	2	-	-	-	-	-	-	-	-	-	2	08/01/18	
CEDAR RIVER HATCHERY	Cedar River- M	-	-	1,276,800	-	-	-	-	-	-	-	-	10/01/18	
CEDAR RIVER HATCHERY	Cedar River- U	2,525	-	-	1,164	-	732	-	-	-	629	-	10/27/18	
MINTER CR HATCHERY	Unknown Stock- U	2	-	-	-	-	-	-	2	-	-	-	08/27/18	
NASELLE HATCHERY	Unknown Stock- U	1	-	-	-	-	-	-	1	-	-	-	08/23/18	
COWLITZ SALMON HATCHERY	Unknown Stock- U	14	-	-	-	-	-	-	14	-	-	-	10/11/18	
KALAMA FALLS HATCHERY	Unknown Stock- W	3	1	-	-	-	-	-	4	-	-	-	09/11/18	
LEWIS RIVER HATCHERY	Unknown Stock- U	1	-	-	-	-	-	-	1	-	-	-	08/14/18	
MERWIN DAM FCF	Unknown Stock- U	25	-	-	-	-	-	-	25	-	-	-	10/07/18	
EASTBANK HATCHERY	Lake Wenatchee- W	1,265	-	-	-	-	-	-	1,265	-	-	-	10/02/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

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Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
MINTER CR HATCHERY	Minter Creek- U	3	-	-	-	-	-	-	-	-	1	2	10/18/18	
MORSE CREEK HATCHERY	Morse Creek- U	3	-	-	-	-	-	-	3	-	-	-	09/01/18	
NEMAH HATCHERY	Nemah River- U	1	-	-	-	-	-	-	1	-	-	-	10/03/18	
NASELLE HATCHERY	Naselle River- M	-	-	2,500	-	-	-	-	-	-	-	-	10/23/18	
NASELLE HATCHERY	Naselle River- U	9	-	-	-	-	2	-	7	-	-	-	10/23/18	
COWLITZ SALMON HATCHERY	Cowlitz River- W	13	-	-	-	-	-	-	13	-	-	-	10/18/18	
KALAMA FALLS HATCHERY	Kalama River- W	1	-	-	-	-	-	-	1	-	-	-	08/27/18	
MODROW TRAP	Kalama River- W	9	-	-	-	-	-	-	9	-	-	-	09/19/18	

WDFW In-Season Hatchery Escapement Report

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Summer Steelhead

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SUNSET FALLS FCF	Reiter Ponds Hatchery Stock- H	127	-	-	-	-	-	-	-	-	5	122	08/30/18	
SUNSET FALLS FCF	Skykomish River- W	216	-	-	-	-	-	-	216	-	-	-	10/11/18	
WALLACE R HATCHERY	Reiter Ponds Hatchery Stock- H	313	-	-	-	-	-	-	-	-	5	308	10/13/18	
WALLACE R HATCHERY	Skykomish River- W	2	-	-	-	-	-	-	2	-	-	-	09/12/18	
REITER PONDS	Reiter Ponds Hatchery Stock- H	431	-	-	271	-	-	-	-	-	-	160	10/01/18	
SOOS CREEK HATCHERY	Soos Creek Hatchery Stock- H	28	-	-	28	-	-	-	-	-	-	-	10/11/18	
BOGACHIEL HATCHERY	Bogachiel River Hatchery Stock- H	157	-	-	38	-	-	-	6	-	-	113	10/03/18	
HUMPTULIPS HATCHERY	Humptulips Hatchery Stock- H	150	-	-	150	-	-	-	-	-	-	-	10/02/18	
LK ABERDEEN HATCHERY	Lake Aberdeen Hatchery Stock- H	172	1	-	78	-	-	-	52	-	-	43	10/22/18	
WYNOOCHEE R DAM TRAP	Lake Aberdeen Hatchery Stock- H	22	-	-	22	-	-	-	-	-	-	-	10/16/18	
NASELLE HATCHERY	Unknown Stock- W	1	-	-	-	-	-	-	1	-	-	-	09/13/18	
COWLITZ TROUT HATCHERY	Cowlitz River Hatchery Stock- H	1,056	-	-	1,044	-	-	-	-	-	12	-	10/16/18	

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Summer Steelhead

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
COWLITZ SALMON HATCHERY	Cowlitz River Hatchery Stock- H	1,320	-	-	-	-	-	-	840	20	1	459	10/24/18	
COWLITZ SALMON HATCHERY	Unknown Stock- W	4	-	-	-	-	-	-	4	-	-	-	10/23/18	
NORTH TOUTLE HATCHERY	Skamania Hatchery Stock- H	1	-	-	-	-	-	-	-	-	-	1	09/24/18	
NORTH TOUTLE HATCHERY	Unknown Stock- W	2	-	-	-	-	-	-	2	-	-	-	10/11/18	
KALAMA FALLS HATCHERY	Kalama River- H	461	-	-	26	-	-	-	-	-	16	419	10/24/18	
KALAMA FALLS HATCHERY	Kalama River- W	266	-	-	52	-	-	-	202	-	12	-	10/21/18	
KALAMA FALLS HATCHERY	Skamania Hatchery Stock- H	112	-	-	-	-	-	-	2	-	9	101	10/22/18	
MODROW TRAP	Kalama River- H	600	-	-	-	-	-	-	600	-	-	-	10/20/18	
MODROW TRAP	Kalama River- W	188	-	-	-	-	-	-	184	-	4	-	10/21/18	
MODROW TRAP	Skamania Hatchery Stock- H	44	-	-	-	-	-	-	44	-	-	-	10/13/18	
LEWIS RIVER HATCHERY	Merwin Hatchery Stock- H	311	-	-	-	-	-	-	60	-	1	250	10/23/18	
MERWIN HATCHERY	Merwin Hatchery Stock- H	366	-	-	348	-	-	-	-	-	18	-	10/12/18	
MERWIN DAM FCF	Lewis River- W	16	-	-	-	-	-	-	16	-	-	-	10/21/18	
MERWIN DAM FCF	Merwin Hatchery Stock- H	3,841	-	-	-	-	-	-	700	476	37	2,628	10/23/18	Shipped to Merwin Hatchery.

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Summer Steelhead

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
WASHOUGAL HATCHERY	Skamania Hatchery Stock- H	3	-	-	-	-	-	-	-	-	-	3	06/19/18	
WASHOUGAL HATCHERY	Washougal River- W	125	-	-	-	-	-	-	125	-	-	-	07/11/18	
WASHOUGAL RIVER FISH WEIR	Skamania Hatchery Stock- H	205	-	-	-	-	-	-	205	-	-	-	10/14/18	
WASHOUGAL RIVER FISH WEIR	Washougal River- W	38	-	-	-	-	-	-	38	-	-	-	10/13/18	
SKAMANIA HATCHERY	Skamania Hatchery Stock- H	957	-	-	858	-	-	-	-	-	96	3	10/20/18	
SKAMANIA HATCHERY	Washougal River- W	8	-	-	-	-	-	-	8	-	-	-	10/13/18	
RINGOLD SPRINGS HATCHERY	Ringold Hatchery Stock- H	55	-	-	-	-	-	-	55	-	-	-	10/10/18	
PRIEST RAPIDS HATCHERY	Unknown Stock- H	5	-	-	-	-	-	-	5	-	-	-	09/25/18	
PRIEST RAPIDS HATCHERY	Unknown Stock- W	2	-	-	-	-	-	-	2	-	-	-	09/13/18	
EASTBANK HATCHERY	Wenatchee River- H	38	-	-	29	-	-	-	9	-	-	-	10/08/18	
EASTBANK HATCHERY	Wenatchee River- W	50	-	-	34	-	-	-	15	-	1	-	10/11/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Anadromous Coastal Cutthroat

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
MINTER CR HATCHERY	Minter Creek- W	36	-	-	3	-	-	-	30	-	3	-	10/09/18	
COWLITZ TROUT HATCHERY	Cowlitz River Hatchery Stock- H	546	-	-	541	-	-	-	-	-	5	-	10/20/18	
COWLITZ SALMON HATCHERY	Cowlitz River Hatchery Stock- H	4	-	-	-	-	-	-	4	-	-	-	08/22/18	
COWLITZ SALMON HATCHERY	Cowlitz River- W	100	-	-	-	-	-	-	100	-	-	-	10/22/18	
MERWIN DAM FCF	Lewis River- W	29	-	-	-	-	-	-	29	-	-	-	10/23/18	

Lahontan Cutthroat

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
OMAK HATCHERY	Lake Lenore- H	1,243	-	628,000	-	-	60	568	1,183	-	-	-	04/10/18	Final in-season estimate.

Westslope Cutthroat

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
CHELAN HATCHERY	Twin Lakes- H	423	-	262,500	-	-	60	770	363	-	-	-	06/11/18	Final in-season estimate.
SPOKANE HATCHERY	Kings Lake- W	-	-	327,000	-	-	-	654	-	-	-	-	05/23/18	Final in-season estimate.

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Dolly/Bull Trout

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SUNSET FALLS FCF	Skykomish River- W	9	-	-	-	-	-	-	9	-	-	-	10/09/18	
TUCANNON HATCHERY	Tucannon River Stock-W	93	-	-	-	-	-	-	93	-	-	-	08/13/18	
EASTBANK HATCHERY	Wenatchee River- W	2	-	-	-	-	-	-	2	-	-	-	08/22/18	
CHIWAWA HATCHERY	Chiwawa River- W	99	-	-	-	-	-	-	99	-	-	-	07/07/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Whitefish

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SUNSET FALLS FCF	Skykomish River- W	82	-	-	-	-	-	-	82	-	-	-	09/17/18	
COWLITZ SALMON HATCHERY	Cowlitz River- W	1,349	-	-	-	-	-	-	1,349	-	-	-	08/31/18	
EASTBANK HATCHERY	Wenatchee River- W	51	-	-	-	-	-	-	51	-	-	-	10/12/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Kokanee

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
SPEELYAI HATCHERY	Lake Merwin- M	-	-	140,000	-	-	-	-	-	-	-	-	10/03/18	
SPEELYAI HATCHERY	Lake Merwin- U	410	-	-	-	-	288	-	122	-	-	-	10/03/18	
CHELAN PUD HATCHERY	Chelan River- M	-	-	130,000	-	-	-	-	-	-	-	-	09/24/18	
CHELAN PUD HATCHERY	Chelan River- W	790	-	-	-	-	60	957	174	-	-	556	09/24/18	
OMAK HATCHERY	Palmer Lake- H	1,100	-	336,800	-	-	1,024	-	76	-	-	-	10/03/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Sucker: General

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
COWLITZ SALMON HATCHERY	Cowlitz River- W	32	-	-	-	-	-	-	32	-	-	-	09/27/18	
EASTBANK HATCHERY	Wenatchee River- W	137	-	-	-	-	-	-	137	-	-	-	09/10/18	

WDFW In-Season Hatchery Escapement Report

CAUTION - All Numbers represent preliminary estimates only

Northern Pikeminnow

Facility	Stock-BO	Adult Total	Jack Total	Total Eggtake	On Hand Adults	On Hand Jacks	Lethal Spawned	Live Spawned	Released	Live Shipped	Mortality	Surplus	Date	Comments
EASTBANK HATCHERY	Wenatchee River- W	52	-	-	-	-	-	-	52	-	-	-	09/05/18	

JAY INSLEE
Governor



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Agreement to boost salmon returning to Pacific Northwest waters

Pacific Salmon Treaty agreement finalized; agreement will support improved salmon recovery to benefit orcas

Gov. Jay Inslee announced today that representatives from the United States and Canada have agreed to recommend their governments approve new coast-wide fishing agreements under the Pacific Salmon Treaty.

The agreement outlines each nation's fishery management plans for chinook, coho and chum stocks from 2019 to 2028. If approved, the treaty will result in more salmon returning to Washington and Oregon waters, where many populations are listed for protection under the federal Endangered Species Act.

"This step comes at a crucial time as we continue to see declines in chinook salmon populations around Puget Sound," Inslee said. "As we work with our international partners to send more fish into our waters, it becomes even more crucial that state leaders do what's necessary to protect and restore habitat and address the dire needs of these fish."

Principles of the treaty, originally agreed upon in 1985, define the obligation of Canada and the United States to conduct their fisheries in a manner that prevents overfishing and allows each country to receive benefits equivalent to the production of salmon originating in each nation's waters.

"I praise the efforts of the joint U.S. - Canada Pacific Salmon Commission for approving strong recommendations to the Pacific Salmon Treaty. Successful updates to the Treaty through 2028 will help ensure long term sustainable and healthy salmon populations that are vital to the people of the Pacific Northwest, and to the entire ecosystem," Oregon Governor Kate Brown said.

The governments of Canada and the United States must approve the recommendations of the Pacific Salmon Commission before implementation can occur in 2019. The U.S. commissioners include representatives from Washington state, Oregon, Alaska and Northwest and Columbia

River Treaty Tribes. Phil Anderson, former director of the Washington state Department of Fish and Wildlife, is the lead negotiator for the United States.

“We faced some very challenging issues in these negotiations,” Anderson said. “I appreciate everyone’s willingness to work together to come up with a plan that will create a better future for salmon in Washington.”

The most significant changes in the treaty involve chinook salmon, which migrate from Washington’s rivers and streams north to the marine waters of British Columbia and southeast Alaska. While feeding in those waters, the fish are vulnerable to fisheries in British Columbia and Alaska.

Under the new terms, Canada will reduce its chinook fisheries by as much as 12.5 percent from 2009–2015 levels while Alaska will cut fisheries to reduce impacts to chinook by as much as 7.5 percent from 2009 levels during years when poor salmon runs are expected. Fisheries in Washington will remain tightly constrained unless runs exceed management objectives.

“This agreement corresponds with the efforts I asked state agencies to take earlier this year to benefit southern resident killer whales and salmon,” Inslee said. “Additional federal funding is essential in order to make the key conservation work possible to recover salmon, and in turn, our orcas.”

The governor established a task force to address threats to killer whales such as the lack of salmon and toxic contaminants in the water. More information can be [found here](#).

As part of the agreement, U.S. commissioners will seek additional federal funding for salmon habitat improvement, habitat protection, and hatchery conservation programs within Puget Sound.

Details about the federal funding are expected to be finalized within the next month. U.S. commissioners anticipate a funding request that is equal to or more than the 2009 one-time request of \$50 million.

Agenda
Pacific Salmon Treaty Briefing

Date: Sept. 28, 2018

Time: 9AM – Noon

Location: Rooms 175 A&B, Natural Resource Building, Olympia

- 1) Fishery and Stock Context for Pacific Salmon Treaty
- 2) Chapter Updates for 2019-2028
 - Chinook
 - Coho
 - Chum
- 3) Federal Funding Request
 - One-time Funding
 - Puget Sound Chinook Habitat Restoration
 - Mark-Selective Fishery Implementation
 - Improved Access to Southeast Alaska Hatchery-Origin Chinook
 - Annual Funding
 - Southern Resident Killer Whale Prey
 - Hatchery Conservation Programs
 - Habitat Protection
 - Improved Scientific Basis for Management
 - State and Tribal Implementation
- 4) Future Coordination – We Need Your Help

Pacific Salmon Treaty 2019 – 2028

September 26, 2018

Summary

- 1) **Problem of Interceptions.** The majority of salmon originating in Washington rivers and streams migrate north and are vulnerable to fisheries north of our border.
- 2) **Last in Line Bears Conservation Burden.** Absent an agreement with Canada and Alaska that limits the interceptions of Washington-origin fish, the entire conservation burden falls on Washington. Conversely, stocks originating in Canada can be vulnerable to Washington and Alaska fisheries.
- 3) **Management Failure.** Uncontrolled interceptions will result in conservation and allocation concerns and the collapse of our management structure. That is where we found ourselves in the early 1980's.
- 4) **1985 Pacific Salmon Treaty (PST)** provides a coordinated management framework based on two underlying principles:

- “prevent overfishing and provide for optimum production”; and
- “provide for each Party to receive benefits equivalent to the production of salmon originating in its waters”.

Specific management obligations are identified in seven species-fishery chapters that are regularly updated (often at 10-year intervals).

- 5) **All species-fishery chapters (except Fraser sockeye and pink salmon) are expiring at the end of 2018.** Successful negotiation of chapters essential to:
 - Limit interceptions in southeast Alaskan (SEAK) and Canadian fisheries;
 - Provide certainty regarding fishery levels;
 - Maintain North-South sharing agreement stipulated in *Yakima v. Baldrige*; and
 - Allow disbursement of funds from the PST Northern and Southern endowment funds.
- 6) **The Pacific Salmon Commission completed negotiations** in early July, and the proposed chapter updates have been transmitted to the U.S. and Canadian governments.
- 7) **Substantial work remains** to secure approval by the U.S., Canadian, and tribal governments, complete the biological opinion, and obtain implementation funding.
- 8) **Next 10-years Critical for Puget Sound Chinook.** Habitat protection, substantive habitat restoration, and reduced pinniped predation are essential to complement the fishery actions, stop the decline in spawners, and promote rebuilding.

Chinook Salmon Migration



What did we achieve?

- 1) **Responsive to Climate Change: Yes.** Chinook provisions require annual Pacific Salmon Commission (Commission) engagement to adaptively manage Treaty implementation. Coho provisions take into account data uncertainty and changing environmental conditions.
- 2) **Reduce Puget Sound Chinook Interceptions: Yes.** Approximately a 12.5% reduction is required in fisheries where Puget Sound (PS) Chinook are most heavily impacted (southern Canadian fisheries).
- 3) **Reduce Coastal/Columbia R. Chinook Interceptions: Yes.** In addition to the 12.5% reduction in southern Canadian fisheries, the updated chapter requires up to a 7.5% reduction in SEAK fisheries, further reducing fishery exploitation rates on far north migrating Washington coastal and Columbia River stocks.
- 4) **Modify Review Process for Management Objectives: Yes.** Chapter 3 now identifies the abundance triggers for fishery actions in southern U.S. (SUS) fisheries for Skagit Spring and Skagit Summer/Fall Chinook salmon. A new protocol for the Chinook Technical Committee (CTC) facilitates Commission consideration of triggers for other stocks.
- 5) **Maintain Limits on Canadian Coho Fisheries: Yes.** Fishery provisions were maintained with substantive process improvements.
- 6) **Simplify: Yes.** Chinook and coho chapters were significantly simplified and clarified.

Renegotiation – What’s Our Objectives (2016 Presentation to Fish & Wildlife Commission)

- Consider responsiveness to climate change/environmental conditions
- Puget Sound Chinook: Reduce interceptions in Canadian fisheries
- Washington Coastal Chinook: Reduce interceptions in northern fisheries
- Southern US Fisheries: Clarify obligations for stocks not meeting management objectives
- Management Objectives: Modify review process to facilitate approval of Washington’s management objectives
- Maintain current structure of Coho and Chum annexes.
- Simplify the annexes as needed to improve implementation.

Chinook Salmon (Chapter 3)

- 1) **Puget Sound Chinook Focus of Negotiations.** NOAA Fisheries set a sideboard for the U.S. position by stating “a simple roll over of the current agreement would be problematic” due to the declining status of PS Chinook salmon. Presentations by the Parties in January 2017 highlighted concerns regarding the status of Salish Sea stocks south and north of the U.S.-Canada border as well as the West Coast of Vancouver Island (WCVI) stock.
- 2) **U.S. Objective – PS Rebuilding Exploitation Rates.** A Rebuilding Exploitation Rate (RER) is a population-specific exploitation rate metric used by NOAA Fisheries as a guidepost to evaluate proposed management regimes. Not all RERs need to be achieved for a fishery regime to be consistent with ESA requirements. A U.S. objective was to reduce exploitation rates so that RERs were achieved, on average, for PS populations.

Summary (U.S. January 2017 Presentation)

- Survival rates remain low
- Fishery exploitation rates
 - Long-term reduction
 - Mixed signal in 2009-2014
- Fewer natural spawners for 6 of 7 stocks
- 8 populations below critical threshold
- Improved stock assessments needed

Pacific Salmon Commission, January 11, 2017

Canadian Stocks of Concern (Canada January 2017 Presentation)

- CTC Chapter 3 Performance Evaluation:
 - Cowichan (Lower Georgia Strait Natural)
 - Harrison (Fraser Late Natural)
- Wild Salmon Policy Assessment:
 - WCVI Falls
 - Upper Georgia Strait
 - Fraser Spring Age 1.2
 - Fraser Spring Age 1.3
 - Fraser Summer Age 1.3

- 3) **2019 – 2028 Canadian Fishery Obligations.** Fishery impacts to PS stocks occur primarily in southern British Columbia fisheries (WCVI troll and sport, Georgia Strait and Juan de Fuca sport). Washington coastal and Columbia River stocks are also exploited in the WCVI sport and troll fisheries.

The WCVI troll and outside sport fishery is managed based on the aggregate abundance of stocks, referred to as Aggregate Abundance Based Management (AABM). The negotiated agreement requires a 12.5% reduction in the allowable catch relative to the current agreement at the abundance levels that have generally occurred in recent years. Reductions of 2.4% - 4.8% are required at higher abundance levels:

Abundance Index (AI)	Reduction in Allowable Catch From Current Chapter
AI < 0.93	12.5%
0.93 < AI ≤ 1.12	4.8%
1.12 < AI	2.4%

The remainder of southern British Columbia fisheries have PST exploitation rate limits on individual stocks (Individual Stock Based Management or ISBM). For U.S. stocks not meeting agreed management objectives, the allowable exploitation rate is 87.5% of the 2009-2015 average (12.5% reduction from recent levels).

- 4) **2019 – 2028 SEAK Fishery Obligations.** The SEAK fishery is managed as an AABM fishery and impacts far north migrating Washington Coastal and Columbia stocks. The negotiated reductions in the allowable catch relative to the current agreement range from 7.5% at low to moderate abundance to 1.5% at high abundance:

Abundance Index (AI)	Reduction in Allowable Catch From Current Chapter
AI < 1.805	7.5%
1.805 < AI ≤ 2.2	3.25%
2.2 < AI	1.5%

- 5) **2019 - 2028 Southern U.S. Fishery Obligations.** The PST identifies stock-specific fishery exploitation rate limits in SUS ISBM fishery for stocks not meeting agreed management objectives. In general, the limits are the 2009-2015 average rate with reductions from that level for some stocks to account for fisheries that occurred during that period. Several examples are provided below:

Stock	US ISBM Limit Relative to 2009-2015 Exploitation Rates	Management Objective
Nooksack Spring	100% 2009-15 Average	To be Determined
Skagit Spring	95% 2009-15 Average	690
Skagit Summer/Fall	95% 2009-15 Average	9,202
Stillaguamish	100% 2009-15 Average	To be Determined
Snohomish	100% 2009-15 Average	To be Determined
Grays Harbor	85% 2009-15 Average	13,326
Queets Fall	85% 2009-15 Average	2,500

Quillayute Fall	85% 2009-15 Average	3,000
Hoh Fall	85% 2009-15 Average	1,200
Upriver Brights	85% 2009-15 Average	40,000
Coweeman	100% 2009-15 Average	To be Determined
Mid-Columbia Summers	85% 2009-15 Average	12,143
Cowichan (Canada)	95% of 2009-15 Average	6,500
Nicola (Canada)	95% of 2009-15 Average	To be Determined
Harrison (Canada)	95% of 2009-15 Average	75,100

- 6) **Benefits to PS Stocks.** Preliminary analysis indicates that the negotiated agreement will significantly reduce fishery exploitation rates on PS Chinook relative to the 2009 agreement. The analysis projects that RERs will be achieved for 67% of the PS populations, versus 17% for the 2009 agreement as negotiated, and 42% as implemented (the Parties did not always fish up to the fishery limits).

Stock Group	Population	RER	Projected Exploitation Rate		
			2009 As Negotiated	2009 As Implemented	2019 Negotiated
NPS Natural Spr	Suiattle R.	0.53	0.42	0.38	0.34
NPS Natural Spr	Upper Cascade R.	0.49	0.42	0.38	0.34
PS Natural S/F	Skykomish R.	0.31	0.76	0.25	0.21
NPS Natural Spr	Upper Sauk R.	0.39	0.42	0.38	0.35
PS Natural S/F	Upper Skagit R.	0.47	0.57	0.46	0.42
PS Natural S/F	Lower Sauk R.	0.44	0.57	0.46	0.42
PS Natural S/F	NF Stillaguamish R.	0.39	0.90	0.44	0.38
PS Natural S/F	Snoqualmie R.	0.22	0.76	0.25	0.21
PS Natural S/F	SF Stillaguamish R.	0.28	0.90	0.44	0.38
PS Natural S/F	Lower Skagit R.	0.27	0.57	0.46	0.42
NPS Natural Spr	NF Nooksack R.	0.05	0.59	0.50	0.43
NPS Natural Spr	SF Nooksack R.	0.05	0.59	0.50	0.43

- 7) **ISBM Accountability Provisions.** The performance of ISBM fisheries will receive more scrutiny in 2019-2028 than under the current agreement. If the running three-year average exceeds the limit by more than 10%, the management entity is required to provide the Commission with the actions that will be taken to minimize the deviations in subsequent years. To assist in those discussions, the PSC Chinook Technical Committee (CTC) will recommend improvements to pre-season, in-season, and other management tools.

- 8) **AABM Accountability Provisions.** The performance of AABM fisheries will also be monitored by the Commission. Accountability measures include:

- If the actual catch exceeds the pre-season catch limit, the overage shall be paid back in the subsequent fishing year.
- If in two consecutive years, the North British Columbia (NBC) or WCVI AABM fishery catches exceed the post-season limit by more than 10%, or in the SEAK AABM fishery the pre-season tier and catches exceed the post-season tier, the

management entity is required to provide the Commission with the actions that will be taken to minimize the deviations in subsequent years. To assist in those discussions, the CTC will recommend improvements to pre-season, in-season, and other management tools.

- 9) **SEAK Abundance Index.** The abundance index for the SEAK fishery will be predicted based upon catch-per-unit-effort in the winter troll fishery. The expectation is that this will be more effective in predicting the significant variation in survival rates that has been occurring. The performance of this method will be monitored and in 2022 (and 2025) the Commission will determine if the CPUE-based method should be maintained, use of the PSC Chinook Model resumed, or if an alternative method should be implemented.
- 10) **Incidental Mortality Limits.** For the first time, the Chinook Chapter places limits on the incidental mortality in AABM fisheries. The limit is 59,400 Chinook salmon in the SEAK AABM fishery and 38,600 for the combined aggregate of the WCVI and NBC AABM fisheries.

Coho Salmon (Chapter 5)

Summary – the Coho Chapter has been simplified and clarified, but the fishery provisions remain similar.

- 1) **Interior Fraser Coho.** The Interior Fraser Coho Management Unit (IFMU) will remain in *low status* (with existing exploitation rate (ER) caps) until such a time as Canada develops and adopts scientifically-reviewed status determination methods for the IFMU. Additionally:
 - There will be opportunities for U.S. technical and policy review regarding Canada’s status determination methods, through meetings of the bilateral Coho Technical Committee and Coho Working Group.
 - Until such a time as status determination methodologies have been developed for other Canadian management units (MUs), Chapter 5 provisions will be implemented based on the status of IFMU and US MUs.
 - Management to MUs, other than IFMU and existing US MUs, requires bilateral discussion, and will occur consistent with the provisions of Chapter 5. Further, timing of bringing on other Canadian MUs for management purposes in the Southern Coho Agreement will be included in the bilateral discussions.
- 2) **Reduce Number of Canadian MUs.** The four Canadian MUs in the previous Coho Chapter (Lower Fraser, Interior Fraser, Strait of Georgia Mainland, and Strait of Georgia Vancouver Island) will be reduced to three MUs. The two Strait of Georgia (SoG) MUs (SoG Mainland and SoG Vancouver Island) have been combined into one Strait of Georgia MU.
- 3) **Reliable Preseason Information.** To provide a reliable basis for fishery planning, in any given year, the Parties shall not change the status or associated ER caps for an MU after March 31st (typically two weeks following the mid-March manager-to-manager pre-

season information exchange). The other elements of the mid-March information exchange currently described in Paragraph 8(g) within Chapter 5 will be carried forward.

- When methodologies to establish status benchmarks and associated ER caps have been established for other Canadian MUs (other than IFMU), the US shall provide estimates of its impacts on these MUs by April 30th in addition to the IFMU.
 - By June 30th of each year, Canada shall provide the US with projected exploitation rates for its fisheries on US MUs specified in Paragraph 8(a) for the coming season. Likewise, by April 30th of each year, the US will provide Canada with projected exploitation rates for its fisheries on IFMU for the coming season.
- 4) **Exploitation Rate Trends.** If a producing country identifies concerns about increasing trends in ERs on the producing country’s MU by the intercepting country over two or more years, bilateral discussions of the appropriate response will be initiated for implementation in the following year.
- 5) **Limited flexibility:** The US and Canada agreed to include chapter language committing the parties to work together in developing bilateral guidance on the approach to implementing paragraphs 11(b) and 11(c) of the current chapter – requesting decreases or increases in allowable ERs, respectively.

Chum Salmon (Chapter 6)

Summary – the updated chapter adds a second fishing tier that allows a catch of up to 160,000 chum salmon (increase of 30,000) in commercial fisheries in the San Juans. However, in the lower tier, the allowable catch was reduced to 125,000 (decrease of 5,000), and the abundance breakpoint was increased from 900,000 to 1,050,000 Fraser chum salmon.

Table 1. Summary of U.S.-Canada bilaterally agreed breakpoints and allocations for U.S. Area 7/7A Chum Fisheries (in numbers of Chum) within the newly negotiated Chapter 6 of the PST (Chum Chapter; years 2019-2028) and compared to the current Chum Chapter (years 2009-2018).

Item	Current Chum Chapter		NEW Chum Chapter ^{1/}	
	Breakpoints and Allocations	Payback Trigger ^{2/}	Breakpoints and Allocations	Payback Trigger ^{2/}
1st Fraser Chum run size breakpoint	900,000		1,050,000	
Resulting US 7/7A Allocation (ceiling)	130,000	+5,000	125,000	+10,000
2nd Fraser Chum run size breakpoint	n/a		1,600,000	
Resulting US 7/7A Allocation (ceiling)	n/a		160,000	+10,000

^{1/} Bilateral Southern Panel final agreement, January 11, 2018.

^{2/} Number of fish over catch ceiling triggering payback calculation

- 1) **Two Tiered Management.** A second management tier was added to allow a higher level of harvest in the U.S. Area 7/7A Chum Fishery in years of relatively higher Fraser Chum

abundance. Lower harvest levels are expected in years of lower Fraser chum run size. Table 1 provides a summary of this two-tiered management approach.

- For aggregate chum run sizes (through Johnstone Strait) above the *Inside Southern Chum Critical Threshold* of 1.0 million, the catch ceiling for the U.S. chum salmon fishery in Areas 7 and 7A will be 125,000 chum salmon. This ceiling of 125,000 could be subsequently revised based on Fraser Chum terminal run size updates as specified below. U.S. chum fisheries in Areas 7 and 7A may not occur prior to October 10th in any given year.
- For Fraser Chum terminal run sizes above 1.05 million, the catch ceiling for the U.S. chum salmon fishery in Areas 7 and 7A will remain at 125,000 chum salmon. The current agreement allows a catch of 130,000 when the Fraser Chum run size exceeds 900,000.
- For Fraser Chum terminal run sizes above 1.6 million, the catch ceiling for the Areas 7 and 7A fishery will be 160,000 chum salmon. The current agreement does not provide for an increase in allowable catch at higher Fraser Chum run sizes.

Next Steps

- 1) **NOAA Fisheries Section 7 Consultation.** NOAA Fisheries must complete a biological opinion to assess the consistency of updated chapters with ESA requirements for listed salmon, Southern Resident Killer Whales (SRKW), and other ESA-listed species.
- 2) **Approval by U.S. and Canada.** Approval by the U.S. and Canada of the updates proposed by the Pacific Salmon Commission will occur through a series of internal processes and the exchange of diplomatic notes. The Canadian process includes a period of Parliamentary consideration which may be challenging to complete by January 2019. In the U.S., since we are only amending an annex to the Treaty, as envisioned in the Treaty itself, the amendments do not require advice and consent from the Senate and will instead be concluded as an executive agreement. In the event that all of these steps cannot be completed by January 2019, the Parties have agreed to abide by the updated chapters until the approval process has been completed.
- 3) **Implementation Funding.** Substantial new funding is needed to implement the PST and ensure consistency with ESA requirements. Securing this funding will require broad stakeholder support and substantial work with the Congressional delegations of Alaska, Washington, and Oregon. Package elements under consideration include:
 - Puget Sound Critical Stock Program. Funding will be requested for habitat restoration, habitat protection, and hatchery conservation programs for the South Fork Nooksack, South Fork Stillaguamish, Dungeness, and Mid-Hood Canal populations.
 - SRKW Prey. Funding will be requested to increase hatchery production of Chinook salmon to increase the prey base for SRKW.
 - Improve Access to Southeast Alaska Hatchery Production. Funding will be requested to mark all Chinook salmon released from hatcheries in southeast

Alaska, pay for ongoing hatchery programs, and maintain production at the Little Port Walter Hatchery.

- Improved Stock Assessment. Funding will be requested to improve the scientific basis of fishery management.
 - Mass Marking and Selective Fisheries. Funding will be requested to support bilateral investments in mass marking and improved assessment of mark-selective fisheries.
 - Agency Implementation Funding. Funding will be requested to facilitate implementation of the PST by each of the management entities, including a \$7.3 million increase in federal funding to WDFW.
- 4) Fishery Implementation.** At WDFW, it will be important to update and document the preseason fishery planning process (North of Falcon) to address the new ISBM obligations for SUS fisheries. SUS fisheries will be scrutinized more intensely than under the current PST.

Pacific Salmon Treaty 2019 - 2028

A shared commitment to a better future for salmon



Background on Pacific Salmon Treaty

The Pacific Salmon Treaty is critical to meeting the provisions of the federal Endangered Species Act (ESA), addressing tribal fishing rights, and maintaining sustainable U.S. fisheries that provide 26,700 full time equivalent jobs and \$3.4 billion in economic value annually.

The treaty, signed by United States and Canada in 1985, provides a framework for the two countries to cooperate on the management of Pacific salmon. The treaty is revisited roughly every 10 years to reflect current conditions and address new challenges.

Pacific salmon are highly-migratory, often spending years at sea and travelling thousands of miles before returning to their native rivers to spawn.

A high degree of cooperation is required between the nations to prevent overfishing, provide optimum production and ensure that each country receives benefits that are equivalent to the production of salmon in its waters.

Revamped Treaty for a Dynamic New Decade

Representatives from the United States and Canada agreed in September 2018 to recommend their governments approve new coast-wide fishing agreements under the Pacific Salmon Treaty.

During talks to revise the treaty, commissioners were confronted with dynamic environmental conditions such as wide swings in salmon survival rates, changes in salmon migration patterns, and continued declines in the productivity of wild Chinook salmon in the Salish Sea. The plight of southern resident killer whales, which depend on Chinook salmon for prey, has provided an eye-opening example of the challenges.

Commissioners are recommending fishery reductions for both nations, new conservation objectives for several salmon populations, enhanced stock assessments to inform decision-makers in both countries, and the resources to ensure the effective implementation of fisheries that target marked hatchery-origin salmon.

Investing in the Future

Securing the benefits from our international commitment to a better future for salmon and southern resident killer whales requires investing in the revamped Treaty – an initial one-time investment to ensure a successful start, and an ongoing investment to fund the complex implementation of an international treaty.

Revamped treaty provides hope for salmon, but successful launch requires one-time funding of \$57.1 million

- Restore Puget Sound habitat
- Maintain & improve hatchery production of Southeast Alaska Chinook
- Mark 100% of hatchery production of Southeast Alaska Chinook
- Establish funding to support mark-selective fisheries

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**The updated treaty addresses conservation needs of the stocks
and the PST's objectives to prevent overfishing, provide for optimum production,
and for each party to receive benefits equal to the production of salmon originating in their waters.**

Initial funding

The request of \$57.1 million in short-term funding (fiscal years 2020–2021) is similar to the amount sought for the 2009 update to the treaty and about 40 percent of the funding provided for the 1999 update. The funding will provide:

- \$31.2 million for habitat restoration projects for at-risk Puget Sound Chinook salmon stocks. These habitat improvements are designed to help increase the number of salmon returning to Puget Sound and are essential in offsetting impacts to Chinook through fisheries. Although a number of projects have been identified, such as providing fish passage on the South Fork Nooksack River in the north Sound, the specific projects will vary based on when federal funding is available.
- \$22.4 million for both marking and production of Southeast Alaska hatchery-origin Chinook.
- \$3.5 million for equipment and short-term studies to ensure effective implementation of mark-selective fisheries.



Photo by Ken Rea

Fiscal Years 2020 through 2029

The 30-year history of the Pacific Salmon Treaty is impressive. Both nations have worked hard to put the “fish wars,” including blockage of marine traffic, in the past. But for most of the last decade, the level of annual federal funding to implement the treaty has not kept up with inflation or rising costs. Recent year funding has been slightly higher.

Commissioners are requesting an increase in annual funding to fulfill the obligations of the revised treaty and associated ESA-consultation. A portion of the request will go toward filling existing gaps in fishery sampling and monitoring, estimating spawners, assessing fishery exploitation rates, and other activities essential to effectively implementing the treaty:

- + \$14.3 million for states
- + \$900,000 for tribes
- + \$150,000 for the Pacific States Marine Fisheries Commission

Additionally, beyond the FY18 base funding, new funding is needed to implement these complementary actions:

- + \$1.49 million to preserve at-risk Puget Sound Chinook salmon stocks through hatchery conservation programs. The programs target stocks that are at high risk of going extinct, such as South Fork Nooksack, South Fork Stillaguamish, Mid-Hood Canal, and Dungeness populations.
- + \$2.33 million to aid local efforts to protect habitat and promote public support for salmon and killer whale-friendly environmental conditions.
- + \$5.6 million to increase hatchery production to provide increased prey for southern resident killer whales. The state of Washington will also seek state funding for increases in hatchery production for this purpose.
- + \$5.44 million to provide a sound scientific basis for management through improved estimates of Chinook salmon catch, spawners, and fishery exploitation rates.

Draft Proposal for SRKW Increases of Chinook Brood Year 2018 (FY19)

Facility Name	Operator	Species	Current Program	Max Production	FPP	Brood source	Rearing Facility	Release Facility	Production Increase for SRKW
Skookum .Cr	Lummi Nation	Late Spring Chinook	0	500,000	200	South Fork Nooksack	Skookum Cr.	Upper South fork Nooksack	500,000
Skookum .Cr	Lummi Nation	Late Spring Chinook	1,000,000	1,500,000	80	South Fork Nooksack	Skookum Cr.	Skookum Cr.	500,000
Kendall	WDFW	Spring Chinook	200,000	700,000	80	Kendall	Kendall	Kendall	500,000
Whatcom Cr.	WDFW/Bellingham Tech College	Fall Chinook	0	500,000	80	Samish	Whatcom Cr.	Whatcom Cr.	500,000
Samish	WDFW	Fall Chinook	4,000,000	5,000,000	80	Samish	Samish	Samish	1,000,000
Wallace River	WDFW	Summer Chinook	1,000,000	1,400,000	70	Wallace River	Wallace River	Wallace River	400,000
Wallace River	WDFW	Summer Chinook	500,000	600,000	8	Wallace River	Wallace River	Wallace River	100,000
Bernie Gobin	Tulalip	Summer Chinook	2,400,000	4,400,000	80	Wallace River	Bernie Gobin	Tulalip Bay	625,000
Soos/Palmer	WDFW	Fall Chinook	4,200,000	6,200,000	80	Green River	Palmer	Palmer	2,000,000
Marblemount	WDFW	Spring Chinook	787,500	2,000,000	8	Marblemount	Marblemount	Marblemount	400,000
Lewis River	WDFW	Spring Chinook	1,350,000	1,750,000	80	Lewis River	Speelyai	Lewis River	400,000
Forks Creek	WDFW	Spring Chinook	0	1,000,000	80	Kalama	Forks Creek	Forks Creek	1,000,000
Minter/Hupp	WDFW	Spring Chinook	400,000	500,000	80	Minter	Hupp	Hupp	100,000
Sol Duc	WDFW	Summer Chinook	70,000	1,320,000	50	Sol Duc	Sol Duc/Bear Springs	Sol Duc	500,000
Sol Duc	WDFW	Summer Chinook	250,000	325,000	8	Sol Duc	Sol Duc/Bear Springs	Sol Duc	75,000
Bear Springs	Quileute Tribe	Summer Chinook	60,000	140,000	8	Sol Duc	Sol Duc/Bear Springs	Sol Duc/Bear Springs	75,000
Chinook Total			16,217,500	27,835,000					8,675,000



Learn to Fish

CHUM

S A L M O N