

1997/1998 Final
Hatchery Escapement and Broodstock Report

December 16, 1998

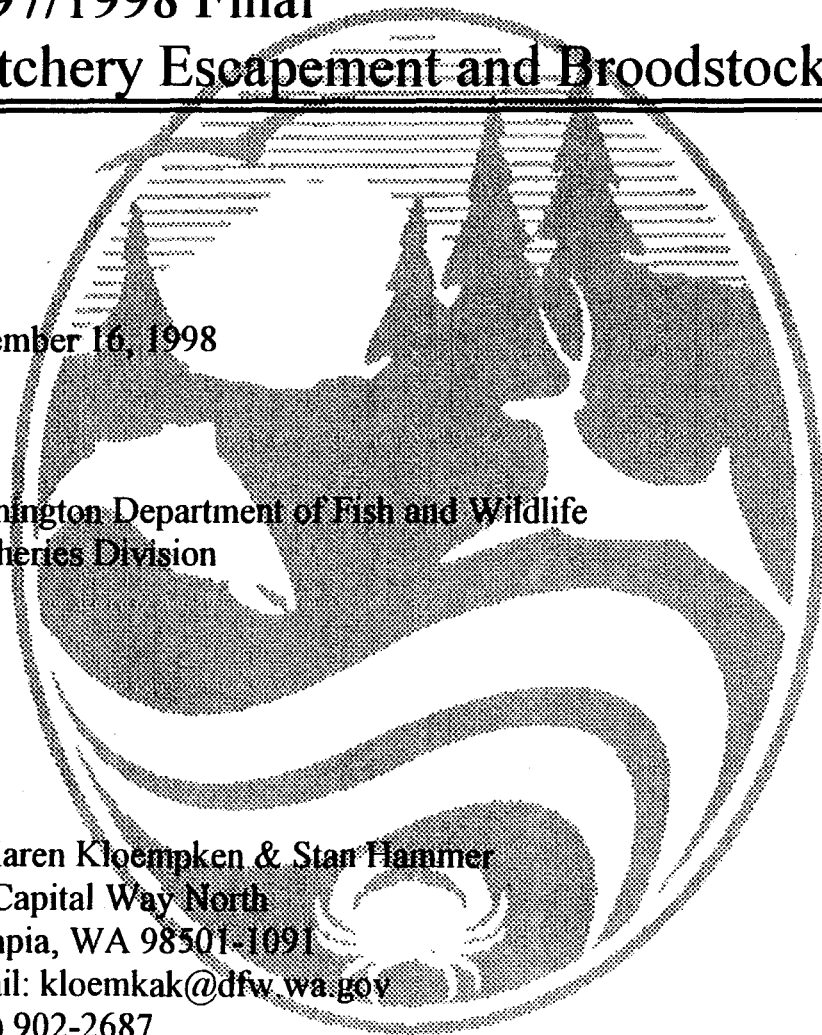
Washington Department of Fish and Wildlife
Hatcheries Division

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TOTAL ESCAPEMENT BY SPECIES

Species	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
	Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
Spring Chinook	12,106	1,539	15,610,400	18,052,000	696	363	11,410	1,176
Summer Chinook	3,222	144	6,338,600	8,170,000	281	50	2,941	94
Fall Chinook	100,707	8,022	103,180,982	119,495,000	21,267	666	79,440	7,356
Coho	209,372	6,497	60,753,314	59,301,000	54,865	2,427	154,507	4,070
Chum	72,218		31,971,200	47,665,000	4,983		67,235	
Sockeye	14,079		10,970,000	19,180,000	4,523		9,556	
Pink	15,514		6,372,100	9,600,000	2,093		13,421	
Summer Steelhead	13,803		7,465,503	5,627,000	6,900		6,903	
Winter Steelhead	5,803		6,887,200	9,830,000	1,648		4,155	
Sea-Run Cutthroat	3,323		878,584	1,170,000	841		2,482	
Dolly Varden/Bull Trout	232		0	0	232		0	
Kokanee	186,116		21,603,825	13,250,000	0		186,116	
TOTAL ESCAPEMENT	636,495	16,202	272,031,708	311,340,000	98,329	3,506	538,166	12,696

TOTAL BROODSTOCK BY SPECIES

Species	TOTAL BROODSTOCK HANDLED		Goal**	BROODSTOCK PLANTED
	Adults	Eggtake	Eggtake	Adults
Rainbow	17,360	24,285,340	20,380,000	5,248
Cutthroat	7,830	3,010,999	2,758,000	3,961
Lake Trout	302	302,776	100,000	282
Eastern Brook Trout	2,594	929,700	900,000	2,527
German Brown	1,592	1,531,049	1,000,000	1,527
TOTAL BROODSTOCK	29,678	30,059,864	25,138,000	13,545

SPRING CHINOOK

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>PUGET SOUND REGION</u>									
Kendall Creek	Nooksack	1,663	16	1,614,000	1,800,000	0	0	1,663	16
Marblemount	Skagit	1,220	9	798,800	590,000	161	0	1,059	9
Minter	White River	383	114	0	0	0	0	383	114
Hupp Springs	White River	0	0	475,000	(see footnote 3)	0	0	0	0
	SSNP	487	0	610,000	(see footnote 3)	0	0	487	0
Hoodsport	Sol/Quil/Hood	61	1	0	180,000	0	0	61	1
Dungeness	Dungeness - Wild	1,605	146	2,900,000	6,500,000	0	0	1,605	146
SUBTOTAL		5,419	286	6,397,800	9,070,000	161	0	5,258	286
<u>COASTAL REGION</u>									
Solduc	Solduc	198	12	217,000	250,000	0	0	198	12
SUBTOTAL		198	12	217,000	250,000	0	0	198	12

- 1) 383 adult fish and 114 jack fish were shipped to Hupp Springs Hatchery. Eggtake is listed under Hupp Springs, White River stock.
- 2) Captive White River spring chinook were reared and held in saltwater net pens. Mature adult fish were transferred to Hupp Springs Hatchery before spawning.
- 3) Eggtake goal at Hupp Springs Hatchery is 725,000 White River Spring Chinook. Eggtake goal is achieved from both escapement and captive broodstock programs.
- 4) Fish were surplused, program discontinued.
- 5) Captive broodstock were reared and held in freshwater ponds.

SPRING CHINOOK Cont.

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>COLUMBIA RIVER REGION</u>									
Cowlitz Salmon	Cowlitz	1,298	529	2,320,500	2,950,000	4	353	1,294	176
Kalama Falls	Kalama River	468	108	589,800	589,000	0	0	468	108
Lewis River	Lewis River	1	28	0	0	370	9	1,875	19
Merwin	Lewis River	2	0	0	0	0	0	0	0
Speelyai	Lewis River	1,2	0	1,696,000	1,350,000	0	0	0	0
Klickitat	Klickitat		829	544	1,700,000	0	0	829	544
Lyons Ferry	Tucannon	3	0	0	150,000	0	0	0	0
	Ringold	4	0	0	1,503,800	0	0	0	0
Ringold	Ringold	4	952	28	0	0	0	952	28
Eastbank	Chiwawa	5	0	0	307,500	0	0	0	0
Chiwawa	Chiwawa	5	77	0	0	0	0	77	0
Tumwater Dam	Unknown	6	42	1	0	0	0	42	1
Wells - West Ladder	Methow	7	322	0	0	0	0	322	0
Methow	Methow	7	0	0	728,000	0	0	0	0
Tucannon	Tucannon Wild	3	99	0	0	56	0	43	0
	Tucannon Hatchery	3	157	3	0	105	1	52	2
SUBTOTAL		6,489	1,241	8,995,600	8,732,000	535	363	5,954	878
TOTAL ESCAPEMENT		12,106	1,539	15,610,400	18,052,000	696	363	11,410	1,176

1) 912 adult fish and 5 jack fish were shipped to Speelyai Hatchery to be spawned. Eggtake is listed under Speelyai, Lewis River stock.

2) 43 adult fish were shipped from Merwin to Speelyai Hatchery. Eggtake is listed under Speelyai, Lewis River stock.

3) 95 adult fish and 2 jack fish were shipped to Lyons Ferry Hatchery to be spawned. Eggtake is listed under Lyons Ferry, Tucannon stock.

4) 839 adult fish and 18 jack fish were shipped to Lyons Ferry Hatchery. Eggtake is listed under Lyons Ferry, Ringold stock.

5) 77 adult fish were shipped to Eastbank Hatchery to be spawned. Eggtake is listed under Eastbank Chiwawa stock.

6) 42 adult fish and 1 jack fish were trapped at Tumwater Dam and shipped to Eastbank to be spawned. Eggtake is listed under Eastbank Chiwawa stock.

SUMMER CHINOOK

Hatchery	Stock		Total Escapement			Goal**	Upstream		Escapement Less Upstream	
			Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>PUGET SOUND REGION</u>										
Marblemount	Skagit Wild	1	78	0	0	275,000	0	0	78	0
	Skagit Hatchery		0	0	244,500	0	0	0	0	0
Whitehorse Pond	Stillaguamish		11	3	0	0	0	0	11	3
Wallace River	Skykomish		923	23	1,695,000	1,810,000	0	0	923	23
Sunset Falls Trap	Skykomish - Wild		210	28	0	0	210	28	0	0
SUBTOTAL			1,222	54	1,939,500	2,085,000	210	28	1,012	26
<u>COLUMBIA RIVER REGION</u>										
Dryden Dam	Wenatchee River	2	118	6	0	0	0	0	118	6
Tumwater Dam	Wenatchee River	3	115	0	0	0	0	0	115	0
Eastbank	Wenatchee River	2	0	0	468,500	1,060,000	0	0	0	0
	Methow/Okanogan	4	0	0	1,113,000	1,200,000	0	0	0	0
Wells	Wells		1,300	29	2,817,600	3,825,000	71	22	1,229	7
Wells - East Ladder	Methow/Okanogan	4	467	55	0	0	0	0	467	55
SUBTOTAL			2,000	90	4,399,100	6,085,000	71	22	1,929	68
TOTAL ESCAPEMENT			3,222	144	6,338,600	8,170,000	281	50	2,941	94

1) Wild broodstock were captured in the Skagit River then spawned and incubated at Marblemount Hatchery.

2) Total Dryden Dam escapement includes 118 adult fish and 6 jack fish that were shipped to Eastbank Hatchery to be spawned. Eggtake listed under Eastbank Hatchery, Wenatchee stock.

3) Total Tumwater Dam escapement includes 115 adult fish that were shipped to Eastbank Hatchery to be spawned. Eggtake goal is listed under Eastbank Hatchery, Wenatchee stock.

4) 467 adult fish and 55 jack fish trapped at the East Ladder of Wells Dam and then transferred to Eastbank Hatchery for spawning. Eggtake listed under Eastbank Hatchery, Methow/Okanogan stock.

FALL CHINOOK

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
PUGET SOUND REGION									
Kendall Creek	Nooksack	1,457	17	1,527,000	(see footnote 4)	0	0	1,457	17
Samish	Samish	16,863	174	11,208,800	14,300,000	2,545	76	14,318	98
Wallace River	Skykomish	2,512	49	2,050,000	3,600,000	0	0	2,512	49
Sunset Falls Trap	Skykomish - Wild	489	17	0	0	489	17	0	0
Issaquah	Issaquah	3,815	125	2,829,000	2,425,000	1,700	116	2,115	9
Soos Creek	Soos Creek	12,053	31	7,178,200	4,770,000	8,470	10	3,583	21
Cedar River	Cedar River - Wild	53	0	0	0	53	0	0	0
Minter Creek	Minter Creek	3,462	337	1,570,000	2,500,000	200	0	3,262	337
Coulter Creek	Coulter Creek	1,580	76	786,000	1,200,000	0	0	1,580	76
Garrison	Chambers Creek	1,453	36	727,500	970,000	100	11	1,353	25
Voights Creek	Voights Creek	3,419	218	2,319,000	3,150,000	480	0	2,939	218
McAllister	McAllister	718	891	572,000	1,700,000	120	225	598	666
Tumwater Falls	Deschutes River	3,953	130	6,728,000	6,000,000	1,151	79	2,802	51
Percival Cove	Deschutes River	1,967	7	0	0	839	7	1,128	0
George Adams	George Adams	1,885	358	2,814,000	4,550,000	0	0	1,885	358
Hoodsport	Hood Canal	5,409	2,933	8,293,800	6,440,000	0	0	5,409	2,933
Elwha	Elwha	938	4	2,102,000	5,000,000	0	0	938	4
SUBTOTAL		62,026	5,403	50,705,300	56,605,000	16,147	541	45,879	4,862

1) Eggs were incubated at Minter Creek Hatchery.

2) Eggs were shipped to McKernan Hatchery for initial incubation. Eggtake is listed under Tumwater Falls.

3) Fish were gaffed and spawned on Elwha River. Eggs were incubated at Hurd Creek Hatchery. Eggtake is listed under Elwha.

4) Eggtake goal is included in Samish's fall chinook eggtake goal.

FALL CHINOOK Cont.

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
COASTAL REGION									
Humptulips	Humptulips	320	4	673,650	590,000	44	0	276	4
Lake Aberdeen	Van Winkle	145	0	71,000	75,000	92	0	53	0
Bingham Creek	Chehalis	30	0	62,000	225,000	0	0	30	0
	Satsop	32	3	56,000	(Satsop Spring Prog.) 2	0	0	32	3
Satsop Springs	Satsop - Wild	40	0	92,000	400,000	0	0	40	0
Forks Creek	Willapa	2,028	3	3,601,000	4,000,000	376	0	1,652	3
Nemah	Nemah	1,724	11	3,242,000	3,000,000	7	0	1,717	11
Naselle	Naselle	2,815	17	6,743,000	8,850,000	102	0	2,713	17
SUBTOTAL		7,134	38	14,540,650	17,140,000	621	0	6,513	38

1) Fish were netted from Chehalis River then held and spawned at Bingham Creek Hatchery. This is part of Satsop Springs (Enhancement Coop) project.

2) Eggtake goal is included in Satsop Springs, Satsop stock eggtake goal.

FALL CHINOOK Cont.

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream		
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks	
COLUMBIA RIVER REGION										
Grays River	Grays River	1	32	2	32,600	(see footnote 1)	8	0	24	2
Elochoman	Elochoman		3,237	0	2,108,200	5,150,000	1,505	0	1,732	0
	Rogue River		160	0	0	0	100	0	60	0
Cowlitz Salmon	Cowlitz		2,751	133	6,381,000	7,660,000	53	106	2,698	27
Cowlitz Trout	Cowlitz		2	0	0	0	2	0	0	0
North Toutle	Toutle		3,250	4	2,905,392	2,900,000	2,217	0	1,033	4
Kalama Falls	Kalama River		2,302	27	4,472,600	4,120,000	264	0	2,038	27
Fallert Creek	Kalama River		695	26	741,240	2,360,000	344	19	351	7
Lewis River	Lewis River		6	0	0	0	6	0	0	0
Washougal	Washougal		6,121	89	5,065,000	7,060,000	0	0	6,121	89
Lyons Ferry	Snake River	2	1,190	656	0	0	0	0	1,190	656
Ringold	Ringold		965	19	0	0	0	0	965	19
Priest Rapids	Priest Rapids		10,836	1,625	16,229,000	16,500,000	0	0	10,836	1,625
SUBTOTAL			31,547	2,581	37,935,032	45,750,000	4,499	125	27,048	2,456
TOTAL ESCAPEMENT			100,707	8,022	103,180,982	119,495,000	21,267	666	79,440	7,356

1) Eggtake goal at Grays River Hatchery is 1,415,000 tule stock fall chinook.

2) 486 adult fish and 164 jack fish trapped at Lower Granite Dam and shipped to Lyons Ferry, shown under Lyons Ferry Snake River stock.

COHO

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>PUGET SOUND REGION</u>									
Kendall Creek	Nooksack	12,521	388	1,452,500	2,000,000	0	0	12,521	388
Samish	Samish - Wild	5,621	1,053	62,500	333,000	5,534	1,053	87	0
Marblemount	Skagit	3,136	27	1,436,400	885,000	0	0	3,136	27
Wallace River	Skykomish	19,112	150	5,880,800	6,400,000	0	0	19,112	150
Sunset Falls Trap	Skykomish - Wild	15,190	101	0	0	15,190	101	0	0
Issaquah	Issaquah	7,961	2	3,422,000	3,300,000	2,632	0	5,329	2
Soos Creek	Soos Creek	7,490	22	3,178,000	2,825,000	2,134	0	5,356	22
Cedar River	Cedar River - Wild	36	0	0	0	36	0	0	0
Minter Creek	Minter Creek	19,874	124	4,728,000	5,136,000	2,702	0	17,172	124
Coulter Creek	Coulter Creek - Wild	41	0	0	0	41	0	0	0
Lakewood	Chambers Creek	802	101	0	0	802	101	0	0
Garrison	Chambers Creek	3,845	101	0	0	3,089	101	756	0
Voights Creek	Voights Creek	18,452	105	2,014,000	1,700,000	2,300	0	16,152	105
George Adams	George Adams	12,041	241	663,500	590,000	0	0	12,041	241
Hoodspout	Baker	375	0	0	300,000	0	0	375	0
Dungeness	Fall Dungeness	12,234	687	906,000	1,000,000	0	0	12,234	687
SUBTOTAL		138,731	3,102	23,743,700	24,469,000	34,460	1,356	104,271	1,746

COHO Cont.

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
COASTAL REGION									
Solduc	Summer	1,509	241	240,000	236,000	0	0	1,509	241
	Fall	2,645	437	960,000	700,000	0	0	2,645	437
Humptulips	Humptulips	6,651	396	2,544,000	2,500,000	0	0	6,651	396
	Late	349	1	239,000	236,000	0	0	349	1
Lake Aberdeen	Van Winkle	98	1	120,000	200,000	0	0	98	1
	Van Winkle Late	15	0	0	0	15	0	0	0
Bingham Creek	Satsop	3,370	101	3,304,000	3,100,000	978	0	2,392	101
	Bingham Late	82	2	105,000	354,000	0	0	82	2
Satsop Springs	Satsop	2,081	6	664,000	(see footnote 1)	0	0	2,081	6
Forks Creek	Willapa	2,721	130	1,034,000	1,825,000	1,340	0	1,381	130
	Willapa Late	232	0	289,000	118,000	0	0	232	0
Nemah	Nemah	2,336	82	570,000	590,000	1,422	67	914	15
Naselle	Naselle	1,204	65	1,058,000	1,400,000	0	0	1,204	65
	Naselle Late	21	1	21,500	118,000	0	0	21	1
SUBTOTAL		23,314	1,463	11,148,500	11,377,000	3,755	67	19,559	1,396

1) Eggtake goal is included in Bingham Creek, Satsop stock eggtake goal.

COHO Cont.

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>COLUMBIA RIVER REGION</u>									
Grays River	Type S	659	0	634,000	500,000	56	0	603	0
Elochoman	Type S	601	0	352,300	590,000	311	0	290	0
	Type N	0	0	0	950,000	0	0	0	0
Cowlitz Salmon	Type N	15,570	1,034	8,133,500	7,300,000	8,512	997	7,058	37
Cowlitz Trout	Type N	124	3	0	0	118	3	6	0
North Toutle	Type S	8,234	35	1,715,614	1,300,000	6,816	0	1,418	35
N.F. Toutle FCF	Type S	1	165	4	0	158	4	7	0
Kalama Falls	Type N	278	6	215,800	1,115,000	22	0	256	6
Fallert Creek	Type S	1,068	282	938,300	700,000	422	0	646	282
Lewis River	Type S	2	5,943	260	0	41	0	5,902	260
	Type N	12,571	307	8,970,000	2,700,000	103	0	12,468	307
Klickitat	Type N	0	0	0	1,800,000	0	0	0	0
Speelyai	Type S	2	0	0	3,239,600	2,200,000	0	0	0
Washougal	Type N	2,111	1	1,662,000	4,300,000	91	0	2,020	1
Lyons Ferry	Type N	3	3	0	0	0	0	3	0
SUBTOTAL		47,327	1,932	25,861,114	23,455,000	16,650	1,004	30,677	928
TOTAL ESCAPEMENT		209,372	6,497	60,753,314	59,301,000	54,865	2,427	154,507	4,070

1) 7 adult fish were shipped to NorthToutle Hatchery to be spawned. Eggtake is listed under North Toutle.

2) 5902 adult fish and 260 jack fish were shipped to Speelyai Hatchery to be spawned. Eggtake is listed under Speelyai.

3) 3 adult fish strays killed at spawning. There were no eggs taken.

CHUM

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>PUGET SOUND REGION</u>						
Kendall Creek	Nooksack	293	249,400	1,800,000	0	293
Samish	Samish	36	0	600,000	34	2
Sunset Falls Trap	Skykomish - Wild	22	0	0	22	0
Minter Creek	Minter	9,746	3,788,000	5,100,000	3,555	6,191
Coulter Creek	Early	203	0	0	141	62
Garrison	Chambers Late	734	103,000	75,000	676	58
George Adams	George Adams	7,181	7,074,000	5,900,000	0	7,181
McKernan	McKernan	12,519	11,972,000	11,800,000	0	12,519
Hoodsport	Hood Canal	40,697	8,588,800	21,800,000	0	40,697
SUBTOTAL		71,431	31,775,200	47,075,000	4,428	67,003

1) Eggtake reduced to what could be incubated at Hoodsport due to pathogen concerns.

CHUM Cont.

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>COASTAL REGION</u>						
Lake Aberdeen	Van Winkle	102	0	0	95	7
Nemah	Nemah - Wild	636	196,000	590,000	413	223
Naselle	Naselle	22	0	0	21	1
SUBTOTAL		760	196,000	590,000	529	231
<u>COLUMBIA RIVER REGION</u>						
Cowlitz Salmon	Cowlitz - Wild	21	0	0	21	0
Cowlitz Trout	Cowlitz	6	0	0	5	1
SUBTOTAL		27	0	0	26	1
TOTAL ESCAPEMENT		72,218	31,971,200	47,665,000	4,983	67,235

SOCKEYE

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>PUGET SOUND REGION</u>						
Baker Spawning Beaches	Baker River	1	2,989	0	0	2,989
Sunset Falls Trap	Skykomish - Wild		14	0	14	0
Cedar River	Cedar River		10,638	10,736,000	4,293	6,345
Issaquah	Issaquah - Wild		103	0	103	0
Minter	Minter - Wild		11	0	11	0
Coulter Creek	Coulter Creek - Wild		6	0	6	0
SUBTOTAL			13,761	10,736,000	4,427	9,334
<u>COLUMBIA RIVER REGION</u>						
Cowlitz Salmon	Cowlitz - Wild		18	0	18	0
Lake Wenatchee - Tumwater Dam	Wenatchee	2	300	234,000	78	222
SUBTOTAL			318	234,000	96	222
TOTAL ESCAPEMENT			14,079	10,970,000	4,523	9,556

- 1) Fish spawned naturally in one of three artificial spawning beaches on the Baker River
2) 300 adult fish trapped at Tumwater Dam and shipped to Lake Wenatchee for spawning.

PINK

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>PUGET SOUND REGION</u>						
Sunset Falls Trap	Skykomish - Wild	1,988	0	0	1,988	0
Cedar River	Cedar River - Wild	5	0	0	5	0
Hurd Creek	Dungeness - Wild 1	0	46,300	0	0	0
Lower Dungeness River Trap	Fall Dungeness - Wild 1	171	0	0	100	71
Minter Creek	Minter Creek	86	42,000	100,000	0	86
Garrison	Chambers	0	0	100,000	0	0
Hoodsport	Hoodsport	13,264	6,372,100	9,500,000	0	13,264
<i>SUBTOTAL</i>		<i>15,514</i>	<i>6,372,100</i>	<i>9,600,000</i>	<i>2,093</i>	<i>13,421</i>
<i>TOTAL ESCAPEMENT</i>		<i>15,514</i>	<i>6,372,100</i>	<i>9,600,000</i>	<i>2,093</i>	<i>13,421</i>

SUMMER STEELHEAD

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>PUGET SOUND REGION</u>						
Whitehorse	Stillaguamish	273	372,600	250,000	0	273
Reiter Ponds	Skykomish	733	756,000	1,077,000	47	686
Tokul Creek	Snohomish	71	0	0	68	3
Sunset Falls Trap	Skykomish - Wild	883	0	0	883	0
<i>SUBTOTAL</i>		1,960	1,128,600	1,327,000	998	962
<u>COASTAL REGION</u>						
Solduc	Quillayute	50	46,200	0	0	50
Bogachiel	Quillayute	161	112,200	200,000	0	161
Lake Aberdeen	Van Winkle	237	276,000	250,000	0	237
Humptulips	Van Winkle	27	0	0	0	27
<i>SUBTOTAL</i>		475	434,400	450,000	0	475

SUMMER STEELHEAD Cont.

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream	
		Adults	Eggtake	Eggtake	Adults	Adults	
COLUMBIA RIVER REGION							
Cowlitz Salmon	Cowlitz	1	1,109	0	0	241	868
Cowlitz Trout	Cowlitz	1	519	998,400	850,000	223	296
North Toutle	Toutle		15	0	0	14	1
Skamania	Skamania		856	875,000	1,100,000	0	856
Lewis River	Lewis River	2	280	0	0	220	60
Merwin	Lewis River	2	935	247,500	250,000	651	284
	Lewis River - Wild		1	0	0	1	0
Ringold Springs	Ringold Springs		434	0	0	433	1
Dryden Dam	Wenatchee	3	30	0	0	0	30
Tumwater Dam	Wenatchee	3	46	0	0	0	46
Eastbank	Wenatchee	3	0	230,000	(See Footnote 4)	0	0
Wells	Wells		467	1,357,400	(See Footnote 4)	3	464
Lyons Ferry	Lyons Ferry		5,956	1,325,230	1,200,000	4,111	1,845
Cottonwood Pond	Wallowa		720	868,973	450,000	5	715
SUBTOTAL			11,368	5,902,503	3,850,000	5,902	5,466
TOTAL ESCAPEMENT			13,803	7,465,503	5,627,000	6,900	6,903

1) 868 fish were shipped to Cowlitz Trout Hatchery for Broodstock and spawning. Eggtake is listed under Cowlitz Trout, Cowlitz stock.

2) 58 fish were shipped to Merwin Hatchery and spawned. Eggtake is listed under Merwin, Lewis River stock.

3) 30 fish shipped from Dryden Dam to Eastbank Hatchery for spawning. 46 fish were shipped from Tumwater Dam to Eastbank for spawning. Eggtake is listed under Eastbank, Wenatchee stock.

4) Eggtake goal for Wells Hatchery is 1,650,000 summer steelhead.

WINTER STEELHEAD

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>PUGET SOUND REGION</u>						
Whitehorse	Stillaguamish	94	108,300	450,000	0	94
Marblemount	Skagit	449	1,295,100	350,000	0	449
Barnaby	Skagit	0	0	750,000	0	0
Reiter Ponds	Skykomish	227	276,500	890,000	64	163
Tokul Creek	Tokul	309	607,100	1,200,000	33	276
Cedar River	Lake Washington - Wild	0	53,000	0	0	0
Ballard Locks	Lake Washington - Wild 1	23	0	0	0	23
Tacoma Headworks Trap	Green River - Wild	8	0	0	8	0
Voights	Voights	22	21,000	0	0	22
Puyallup	Puyallup	49	42,500	0	0	49
Chambers	Chambers	2	0	80,000	2	0
SUBTOTAL		1,183	2,403,500	3,720,000	107	1,076

1) 23 fish were trapped at Ballard Locks and shipped to Cedar River adult pond for spawning. Eggtake is listed under Cedar River.

WINTER STEELHEAD Cont.

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
COASTAL REGION						
Solduc	Solduc - Wild	36	53,300	0	12	24
Bogachiel	Bogachiel	856	1,164,900	1,490,000	0	856
Humtulpis	Humtulpis	339	274,800	225,000	0	339
Lake Aberdeen	Van Winkle	103	152,500	335,000	0	103
	Wynoochee	1	0	250,000	0	0
Wynoochee Dam	Wynoochee	1	158	0	0	158
Bingham Creek	Chehalis - Wild	14	20,000	175,000	0	14
	Satsop - Wild	105	164,800	175,000	49	56
Naselle	Naselle	17	31,000	85,000	1	16
	Naselle - Wild	1	0	0	1	0
Forks Creek	Willapa	42	69,000	75,000	0	42
SUBTOTAL		1,671	2,208,300	2,810,000	63	1,608
COLUMBIA RIVER REGION						
Grays River	Grays River	3	0	0	0	3
Cowlitz Salmon	Cowlitz	2	1,292	0	772	520
	Cowlitz Late		263	0	263	0
	Cowlitz - Wild		94	0	93	1
Cowlitz Trout	Cowlitz	2	513	900,000	286	227
	Cowlitz Late		1	550,500 (See Footnote 4)	0	1
Beaver Creek	Elochoman	174	107,100	450,000	0	174
Kalama Falls	Kalama Falls	92	80,800	0	0	92
Skamania	Skamania	139	91,000	400,000	0	139
Lewis River	Lewis River	3	378	0	64	314
Merwin	Lewis River	2	0	546,000	0	0
SUBTOTAL		2,949	2,275,400	3,300,000	1,478	1,471
TOTAL ESCAPEMENT		5,803	6,887,200	9,830,000	1,648	4,155

1) 158 fish shipped to Lake Aberdeen Hatchery and spawned. Eggtake listed under Lake Aberdeen, Wynoochee stock.

2) 518 fish shipped to Cowlitz Trout Hatchery and spawned. Eggtake listed under Cowlitz Trout, Cowlitz stock.

3) 314 fish shipped to Merwin Hatchery and spawned. Eggtake listed under Merwin, Lewis River stock.

4) Eggtake goal is included under Cowlitz Trout, Cowlitz stock.

ANADROMOUS GAMEFISH (including Kokanee)

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream	
		Adults	Eggtake	Eggtake	Adults	Adults	
Sea-Run Cutthroat							
Samish	Samish - Wild	421	0	0	403	18	
Sunset Falls	Skykomish - Wild	2	0	0	2	0	
Minter	Minter	235	0	0	235	0	
Tumwater Falls Trap-Wild	Deschutes	5	107	0	107	0	
Eells Springs	Hood Canal	1	561	192,384	0	561	
Hoodsport	Hood Canal - Wild		11	0	11	0	
Lake Aberdeen	Coastal	1	549	214,600	0	549	
Cowlitz Salmon	Cowlitz	2	0	0	0	0	
Cowlitz Trout	Cowlitz - Wild	2	444	311,400	83	361	
Beaver Creek	Elochoman		216	51,600	0	216	
Skamania	Skamania		644	85,200	0	644	
Lewis River	Lewis River	3	133	0	0	133	
Merwin	Lewis River	3	0	23,400	0	0	
TOTAL			3,323	878,584	1,170,000	841	2,482
Dolly Varden/Bulltrout							
Sunset Falls Trap	Skykomish - Wild		42	0	42	0	
Chiwawa	Chiwawa - Wild	4	190	0	190	0	
TOTAL			232	0	0	232	0

1) Captive broodstock Sea-Run Cutthroat program.

2) 210 adults shipped from Cowlitz Salmon Hatchery to Cowlitz Trout Hatchery. Eggtake listed under Cowlitz Trout Hatchery.

3) 133 adults shipped from Lewis River Hatchery to Merwin Hatchery. Eggtake listed under Merwin Hatchery.

4) Fish trapped at Chiwawa Ponds Trap

5) Fish trapped by Hatchery personel.

ANADROMOUS GAMEFISH (including Kokanee) Cont.

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
Kokanee						
Merwin	Lake Merwin - Wild	1	341	0	0	341
Speelyai	Lake Merwin - Wild		576	69,000	150,000	576
Lake Whatcom	Lake Whatcom		185,540	21,534,825	13,100,000	185,540
TOTAL			186,116	21,603,825	13,250,000	186,116
Atlantic Salmon						
		2				
Sunset Falls Trap			1	0	0	1
Soos Creek			1	0	0	1
Cedar River			18	0	0	18
Minter Creek			25	0	0	25
Mcallister			2	0	0	2
Hurd Creek			4	0	0	4
Elwha			2	0	0	2
TOTAL			53	0	0	53

1) 268 adult fish shipped from Lewis River Hatchery to Speelyai. Eggtake listed under Speelyai Hatchery.

2) All Atlantic salmon killed per WDFW policy.

GAMEFISH

Hatchery	Stock		TOTAL BROODSTOCK HANDLED		Goal**	BROODSTOCK PLANTED
			Adults	Eggtake	Eggtake	Adults
Rainbow						
Cedar River	Cedar River - Wild	1	9	0	0	9
Lakewood	South Tacoma		5,549	6,282,800	2,900,000	3,410
Goldendale	Goldendale		2,964	7,208,287	7,780,000	1,408
Spokane	Spokane		5,904	8,332,936	8,000,000	188
Colville	Phalon - Wild	1	233	89,267	100,000	233
Eells Springs	Mt. Whitney		2,701	2,372,050	1,600,000	0
TOTAL			17,360	24,285,340	20,380,000	5,248
Cutthroat						
Eells Springs	Tokol Coastal		2,731	787,696	767,000	0
	Hood Canal Coastal		1,073	19,238	200,000	0
Bingham Creek	Satsop Coastal - Wild	1	64	0	0	64
Chelan	Twin Lake Westslope - Wild		2,099	1,015,490	700,000	2,099
Omak	Lake Lenore Lahontan	1	606	999,915	591,000	546
Colville	Kings Lake Westslope	1	1,257	188,660	500,000	1,252
TOTAL			7,830	3,010,999	2,758,000	3,961
Mountain Whitefish						
Cowlitz Salmon	Cowlitz - Wild	1	482	0	0	482
TOTAL			482	0	0	482

1) Fish were returned to stream.

GAMEFISH Cont.

Hatchery	Stock	TOTAL BROODSTOCK HANDLED		Goal**	BROODSTOCK PLANTED
		Adults	Eggtake	Eggtake	Adults
Lake Trout					
Ford	Ford	302	302,776	100,000	282
TOTAL		302	302,776	100,000	282
Eastern Brook Trout					
Ford	Ford	2,594	929,700	900,000	2,527
TOTAL		2,594	929,700	900,000	2,527
German Brown					
Ford	Ford	1,592	1,531,049	1,000,000	1,527
TOTAL		1,592	1,531,049	1,000,000	1,527