

1999/2000 *FINAL*

Hatchery Escapement and Broodstock Report

April 6, 2001

Washington Department of Fish and Wildlife
Hatcheries Division

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The logo is a circular emblem containing a stylized landscape. At the top, there are three evergreen trees. Below them is a mountain range. In the foreground, a large fish is swimming, and a crab is visible at the bottom. The background of the emblem consists of horizontal lines.

*Washington
Department of*
FISH and
WILDLIFE

TOTAL ANADROMOUS ESCAPEMENT BY SPECIES

Species	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
	Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
Spring Chinook Salmon	12,232	1,703	11,534,736	10,560,000	591	328	11,641	1,375
Summer Chinook Salmon	4,388	209	6,644,678	7,435,000	663	82	3,725	127
Fall Chinook Salmon	115,192	4,053	85,997,479	101,095,000	10,446	353	104,746	3,700
Coho Salmon	224,898	27,566	54,795,588	50,336,000	72,576	10,114	152,322	17,452
Chum Salmon	61,513	0	40,849,181	44,155,000	11,566	0	49,947	0
Sockeye Salmon	6,467	0	14,537,700	20,556,000	815	0	5,652	0
Pink Salmon	9,283	0	1,810,500	1,500,000	1,491	0	0	0
Summer Steelhead	14,921	43	5,475,120	6,362,600	9,989	35	4,932	9
Winter Steelhead	12,376	12	7,900,076	7,875,000	6,258	20	6,088	2
Sea-run Cutthroat Trout	10,817	0	423,400	585,000	1,225	0	9,683	0
Dolly Varden/Bull Trout	45	0	0	0	45	0	0	0
Atlantic Salmon	25	0	0	0	0	0	25	0
<i>TOTAL ESCAPEMENT</i>	<i>472,157</i>	<i>33,586</i>	<i>229,968,458</i>	<i>250,459,600</i>	<i>115,665</i>	<i>10,932</i>	<i>348,761</i>	<i>22,665</i>

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

TOTAL RESIDENT ESCAPEMENT BY SPECIES

Species	Total Escapement		Goal**	Upstream/Released	Escapement Less Upstream/Released
	Adults	Eggtake	Eggtake	Adults	Adults
Resident Rainbow Trout	96	128,500	0	96	0
Resident Cutthroat Trout	4,479	1,669,755	1,791,000	4,479	0
German Brown Trout	11	0	0	11	0
Bull Trout (char)	368	0	0	368	0
Kokanee (landlocked sockeye salmon)	150,483	14,852,742	13,900,000	0	150,483
Mountain Whitefish	1,947	0	0	1,947	0
TOTAL ESCAPEMENT	157,384	16,650,997	15,691,000	6,901	150,483

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

TOTAL BROODSTOCK BY SPECIES

Species	Total Broodstock Handled		Goal**	Broodstock Planted
	Adults	Eggtake	Eggtake	Adults
Spring Chinook Salmon	1,295	2,062,000	2,500,000	0
Sea-run Cutthroat Trout	914	244,200	200,000	0
Resident Rainbow Trout	9,572	10,433,374	16,580,000	754
Resident Cutthroat Trout	2,807	650,000	650,000	1,300
German Brown Trout	1,969	1,619,256	1,000,000	1,900
Eastern Brook Trout	168	366,430	900,000	165
Golden Trout	396	25,905	10,000	0
<i>TOTAL BROODSTOCK</i>	<i>16,725</i>	<i>15,375,260</i>	<i>21,830,000</i>	<i>4,119</i>

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

SPRING CHINOOK SALMON

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	2,873	26	1,937,500	2,100,000	0	0	2,873	26
Marblemount	Skagit	3,171	20	1,013,340	590,000	0	0	3,171	20
Minter	White	565	178	0	0	0	0	565	178
Hupp Springs	White	0	0	536,000	725,000	0	0	0	0
<i>SUBTOTAL</i>		<i>6,609</i>	<i>224</i>	<i>3,486,840</i>	<i>3,415,000</i>	<i>0</i>	<i>0</i>	<i>6,609</i>	<i>224</i>
<u>COASTAL REGION</u>									
Sol Duc	Sol Duc	519	14	255,000	250,000	0	0	519	14
<i>SUBTOTAL</i>		<i>519</i>	<i>14</i>	<i>255,000</i>	<i>250,000</i>	<i>0</i>	<i>0</i>	<i>519</i>	<i>14</i>

1) 565 adult fish and 178 jack fish were shipped to Hupp Springs Hatchery to be spawned. Eggtake listed under Hupp Springs, White River stock.

SPRING CHINOOK SALMON Cont.

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
COLUMBIA RIVER REGION									
Cowlitz Salmon	Cowlitz	1,321	466	2,290,700	1,800,000	91	177	1,230	289
Kalama Falls	Kalama	757	37	630,652	590,000	380	13	377	24
Fallert Creek	Kalama	5	4	0	0	0	0	5	4
Lewis River	Lewis	846	78	0	0	29	4	817	74
Speelyai	Lewis	0	0	1,460,000	1,600,000	0	0	0	0
Klickitat	Klickitat	475	446	860,000	950,000	0	0	475	446
Lyons Ferry	Tucannon	0	0	111,305	155,000	0	0	0	0
	Tucannon Wild	0	0	2,239	0	0	0	0	0
	Rapid River	0	0	1,050,000	0	0	0	0	0
	Ringold	0	0	780,500	1,300,000	0	0	0	0
	Snake	1	0	0	0	0	0	1	0
Lower Granite	Rapid River	578	10	0	0	0	0	578	10
Tucannon	Tucannon Wild	4	0	0	0	0	0	4	0
	Tucannon	92	44	0	0	3	0	89	44
Ringold Springs	Ringold	691	195	0	0	10	102	681	93
Chiwawa	Chiwawa Wild	1	0	0	0	1	0	0	0
Dryden Dam	Wenatchee	2	1	0	0	2	1	0	0
Tumwater Dam	Wenatchee	31	17	0	0	31	17	0	0
Wells - West Ladder	Methow	300	167	0	0	44	14	256	153
Methow	Methow	0	0	607,500	500,000	0	0	0	0
SUBTOTAL		5,104	1,465	7,792,896	6,895,000	591	328	4,513	1,137
TOTAL ESCAPEMENT		12,232	1,703	11,534,736	10,560,000	591	328	11,641	1,375

1) 740 adult fish and 70 jack fish were shipped from Lewis River to Speelyai Hatchery to be spawned. Eggtake listed under Speelyai, Lewis River stock.

2) 136 fish were shipped to Lyons Ferry Hatchery to be spawned. One hatchery jack was a mortality. Eggtake listed under Lyons Ferry, Tucannon stock.

3) 578 adult fish and 10 jack fish trapped at Lower Granite Dam and hauled to Lyons Ferry. Eggtake listed under Lyons Ferry, Rapid River stock.

4) 578 adult fish and 67 jack fish were shipped to Lyons Ferry Hatchery to be spawned. Eggtake listed under Lyons Ferry, Ringold stock.

5) No eggs taken due to low return. All fish were returned to stream.

6) 253 adult fish and 103 jack fish were shipped from Wells Dam West Ladder to Methow Hatchery to be spawned. Eggtake listed under Methow, Methow stock.

SUMMER CHINOOK SALMON

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	77	0	221,178	275,000	0	0	77	0
Wallace River	Skykomish		1,723	89	1,685,000	1,800,000	200	0	1,523	89
Sunset Falls Trap	Skykomish Wild		70	52	0	0	70	52	0	0
SUBTOTAL			1,870	141	1,906,178	2,075,000	270	52	1,600	89
<u>COLUMBIA RIVER REGION</u>										
Dryden Dam	Wenatchee	2	530	4	0	0	22	0	508	4
Tumwater Dam	Unknown	3	7	0	0	0	7	0	0	0
Tumwater Dam	Wenatchee	3	16	0	0	0	16	0	0	0
Tumwater Dam	Wenatchee Wild	3	212	3	0	0	212	3	0	0
Eastbank	Wenatchee		0	0	1,022,050	1,060,000	0	0	0	0
	Methow/Okanagan	4	0	0	1,241,450	1,200,000	0	0	0	0
Wells	Wells		1,216	43	2,475,000	3,100,000	136	27	1,080	16
Wells - East Ladder	Methow/Okanagan	4	537	18	0	0	0	0	537	18
SUBTOTAL			2,518	68	4,738,500	5,360,000	393	30	2,125	38
TOTAL ESCAPEMENT			4,388	209	6,644,678	7,435,000	663	82	3,725	127

- 1) Wild broodstock were captured in the Skagit River then spawned and incubated at Marblemount Hatchery. Eggtake listed under Marblemount, Skagit wild stock.
- 2) Total Dryden Dam escapement includes 508 adult fish and 4 jack fish shipped to Eastbank Hatchery to be spawned. Eggtake listed under Eastbank Hatchery, Wenatchee stock.
- 3) Total Tumwater Dam escapement of 235 adult fish and 3 jack fish was returned to stream. No eggs were taken.
- 4) 537 adult fish and 18 jack fish trapped at the East Ladder of Wells Dam and then transferred to Eastbank Hatchery. Eggtake listed under Eastbank Hatchery, Methow/Okanagan stock.

FALL CHINOOK SALMON

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	15	1	36,075	0	0	0	15	1
Kendall Creek	Nooksack	176	0	140,000	0	0	0	176	0
Samish	Samish	6,786	386	7,337,800	8,000,000	1,691	143	5,095	243
Wallace River	Skykomish	4,700	100	2,046,000	1,760,000	0	0	4,700	100
Sunset Falls Trap	Skykomish Wild	456	11	0	0	456	11	0	0
Issaquah	Issaquah	2,189	57	2,394,500	2,425,000	722	10	1,467	47
Soos Creek	Soos	10,574	4	4,805,000	4,770,000	3,521	0	7,053	4
	Soos Wild	3	0	0	0	3	0	0	0
Cedar River	Cedar Wild	46	0	0	0	46	0	0	0
Minter Creek	Minter	10,343	131	2,988,000	2,500,000	400	0	9,943	131
Coulter Creek	Coulter	1,000	0	980,000	1,200,000	263	0	737	0
Garrison	Chambers	648	124	1,249,000	1,500,000	37	2	611	122
Voight's Creek	Voights	3,464	484	2,444,000	2,500,000	50	0	3,414	484
McAllister	McAllister	2,126	220	1,690,000	1,700,000	453	77	1,673	143
Tumwater Falls	Deschutes	7,160	90	5,636,700	5,700,000	1,413	5	5,747	85
George Adams	George Adams	8,235	234	4,500,000	4,570,000	0	0	8,235	234
Hoodspout	Hood Canal	10,125	848	3,322,000	3,600,000	0	0	10,125	848
Elwha	Elwha	726	0	1,789,350	5,000,000	4	0	722	0
SUBTOTAL		68,772	2,690	41,358,425	45,225,000	9,059	248	59,713	2,442
<u>COASTAL REGION</u>									
Humptulips	Humptulips	260	6	437,000	590,000	0	0	260	6
Lake Aberdeen	Van Winkle	60	0	97,500	75,000	0	0	60	0
Bingham Creek	Satsop	109	0	0	0	101	0	8	0
Forks Creek	Willapa	1,998	10	2,507,000	4,000,000	24	0	1,974	10
Nemah	Nemah	988	10	921,000	2,500,000	50	0	938	10
Naselle	Naselle	1,914	29	1,417,000	7,250,000	0	0	1,914	29
SUBTOTAL		5,329	55	5,379,500	14,415,000	175	0	5,154	55

1) Eggs were incubated at Minter Creek Hatchery. Eggtake listed under Coulter Creek, Coulter stock.

2) Eggs were shipped to McKernan for initial incubation. Eggtake listed under Tumwater Falls, Deschutes stock.

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

FALL CHINOOK SALMON 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	Grays	111	1	0	0	106	1	5	0
Elochoman	Elochoman	2,982	0	3,766,000	2,300,000	580	0	2,402	0
	Rogue	59	0	8,600	0	0	0	59	0
Cowlitz Salmon	Cowlitz	3,108	108	6,809,000	7,660,000	1	72	3,107	36
Cowlitz Trout	Cowlitz	11	0	0	0	6	0	5	0
North Toutle	Toutle	1,076	12	1,899,040	2,900,000	15	2	1,061	10
Kalama Falls	Kalama	1,779	5	3,919,073	4,120,000	207	0	1,572	5
Fallert Creek	Kalama	474	3	238,796	0	0	0	474	3
Lewis River	Lewis Wild	300	30	0	0	293	30	7	0
Washougal	Washougal	1,598	15	2,645,000	4,700,000	0	0	1,598	15
Lyons Ferry	Snake	1,816	434	3,980,445	3,500,000	0	0	1,816	434
Lower Granite Dam	Snake	1,600	334	0	0	0	0	1,600	334
Ringold Springs	Ringold	3,076	108	0	0	0	0	3,076	108
Priest Rapids	Priest Rapids	23,101	258	15,993,600	16,275,000	4	0	23,097	258
SUBTOTAL		41,091	1,308	39,259,554	41,455,000	1,212	105	39,879	1,203
TOTAL ESCAPEMENT		115,192	4,053	85,997,479	101,095,000	10,446	353	104,746	3,700

1) 1,983 total fish hauled from Lower Granite Dam to Lyons Ferry to be spawned. 49 of these fish mixed into LF volunteers by mistake. Eggtake listed under Lyons Ferry, Snake River stock.

COHO SALMON

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	2,561	68	700,000	1,025,000	1,192	15	1,369	53
Samish	Samish	453	84	2,000	5,000	450	84	3	0
Marblemount	Skagit	2,702	6	961,760	650,000	172	0	2,530	6
Wallace River	Skykomish	8,312	195	4,270,250	6,341,000	0	0	8,312	195
Sunset Falls Trap	Skykomish Wild	12,824	52	0	0	12,824	52	0	0
Tokul Creek	Snohomish Wild	10	4	0	0	10	4	0	0
Issaquah	Issaquah	2,963	192	2,828,000	3,300,000	19	7	2,944	185
Soos Creek	Soos	8,200	17	2,939,800	2,825,000	5,056	0	3,144	17
Cedar River	Cedar Wild	10	0	0	0	10	0	0	0
Minter Creek	Minter	2,539	360	1,648,000	5,536,000	0	0	2,539	360
Voight's Creek	Voights	9,005	40	1,803,400	1,800,000	2,117	3	6,888	37
George Adams	George Adams	7,334	189	590,000	590,000	0	0	7,334	189
Hoodspout	Hood Canal	55	8	0	0	0	0	55	8
<i>SUBTOTAL</i>		56,968	1,215	15,743,210	22,072,000	21,850	165	35,118	1,050
<u>COASTAL REGION</u>									
Dungeness	Dungeness	2,446	2	661,000	625,000	0	0	2,446	2
Sol Duc	Sol Duc Summer	7,527	194	250,000	236,000	8	0	7,519	194
	Sol Duc Fall	13,511	2,410	710,000	700,000	13	0	13,498	2,410
Humptulips	Humptulips	14,753	234	2,505,000	2,200,000	0	0	14,753	234
	Satsop Late	36	7	6,000	236,000	0	0	36	7
Lake Aberdeen	Van Winkle	508	10	252,500	75,000	87	0	421	10
Bingham Creek	Satsop	7,510	389	2,571,600	1,700,000	2,009	30	5,501	359
	Bingham Late	798	10	675,000	236,000	107	0	691	10
Forks Creek	Willapa	8,891	90	2,023,000	1,825,000	229	0	8,662	90
	Willapa Late	333	0	122,000	118,000	18	0	315	0
Nemah	Nemah	4,742	16	572,000	590,000	184	0	4,558	16
Naselle	Naselle	4,689	72	1,160,000	1,400,000	0	0	4,689	72
	Naselle Late	83	1	82,000	118,000	0	0	83	1
<i>SUBTOTAL</i>		65,827	3,435	11,590,100	10,059,000	2,655	30	63,172	3,405

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

COHO SALMON 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	710	276	292,112	1,000,000	504	0	206	276
Elochoman	Type S	2,132	231	643,000	590,000	1,533	20	599	211
	Type N	2,693	1,133	1,308,000	715,000	877	44	1,816	1,089
Cowlitz Salmon	Type N	34,300	9,987	9,174,000	6,760,000	27,756	9,668	6,544	319
Cowlitz Salmon	Type N Wild	6,029	149	0	0	6,027	149	2	0
Cowlitz Trout	Type N	82	30	0	0	77	30	5	0
North Toutle	Type S	12,416	1,153	2,015,370	1,300,000	10,916	0	1,500	1,153
N.F. Toutle FCF	Type S	92	24	0	0	20	5	72	19
Kalama Falls	Type N	1,095	204	162,496	910,000	1	1	1,094	203
	Type S	1,834	37	0	0	5	0	1,829	37
Fallert Creek	Type N	0	8	0	0	0	0	0	8
Fallert Creek	Type S	4,892	202	2,499,700	700,000	7	0	4,885	202
Lewis River	Type S	14,962	2,343	0	0	161	2	14,801	2,341
	Type N	17,724	6,757	4,967,200	3,500,000	187	0	17,537	6,757
Speelyai	Type S	0	0	3,213,400	2,300,000	0	0	0	0
Washougal	Type N	2,582	378	2,606,000	430,000	0	0	2,582	378
	Type S	539	4	581,000	0	0	0	539	4
Lyons Ferry	Type N	21	0	0	0	0	0	21	0
Lower Granite Dam	Type S	0	1	0	0	0	1	0	0
<i>SUBTOTAL</i>		102,103	22,916	27,462,278	18,205,000	48,071	9,919	54,032	12,997
<i>TOTAL ESCAPEMENT</i>		224,898	27,566	54,795,588	50,336,000	72,576	10,114	152,322	17,452

1) 2,523 adult fish and 30 jack fish were shipped to Speelyai Hatchery to be spawned. Eggtake listed under Speelyai, Type S stock.

CHUM SALMON

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>PUGET SOUND REGION</u>						
Kendall Creek	Nooksack	1,439	1,239,000	2,400,000	250	1,189
Sunset Falls Trap	Skykomish Wild	45	0	0	45	0
Issaquah	Issaquah Wild	1	0	0	1	0
Minter Creek	Minter	18,425	4,916,000	6,100,000	10,338	8,087
Garrison	Chambers Late	274	50,000	75,000	148	126
George Adams	George Adams	4,620	5,573,500	10,000,000	0	4,620
McKernan	McKernan	9,772	11,874,000	17,900,000	0	9,772
Hoodsport	Hood Canal	25,710	16,713,000	7,200,000	0	25,710
<i>SUBTOTAL</i>		60,286	40,365,500	43,675,000	10,782	49,504
<u>COASTAL REGION</u>						
Bingham	Satsop Wild	73	0	0	66	7
Nemah	Nemah Wild	427	271,000	285,000	141	286
Naselle	Naselle Wild	146	0	0	144	2
<i>SUBTOTAL</i>		646	271,000	285,000	351	295
<u>COLUMBIA RIVER REGION</u>						
Grays River	Grays Wild	578	212,681	195,000	432	146
Cowlitz Salmon	Cowlitz Wild	3	0	0	1	2
Merwin	Lewis Wild	1	0	0	0	1
<i>SUBTOTAL</i>		581	212,681	195,000	433	148
<i>TOTAL ESCAPEMENT</i>		61,513	40,849,181	44,155,000	11,566	49,947

1) Eggtake reduced due to virus quarantine.

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

SOCKEYE SALMON

Hatchery	Stock		Total Escapement			Goal**	Upstream		Escapement Less Upstream	
			Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>PUGET SOUND REGION</u>										
Baker Spawning Beaches	Baker	1	3,511	0	0	1,500,000	0	0	3,511	0
Sunset Falls Trap	Skykomish Wild		4	0	0	0	4	0	0	0
Cedar River	Cedar		2,701	0	14,346,000	18,880,000	710	0	1,991	0
Issaquah	Issaquah Wild		35	0	0	0	31	0	4	0
<i>SUBTOTAL</i>			<i>6,251</i>	<i>0</i>	<i>14,346,000</i>	<i>20,380,000</i>	<i>745</i>	<i>0</i>	<i>5,506</i>	<i>0</i>
<u>COLUMBIA RIVER REGION</u>										
Cowlitz Salmon	Cowlitz		3	0	0	0	3	0	0	0
Lake Wenatchee NP	Wenatchee	2	0	0	191,700	176,000	0	0	0	0
Dryden Dam	Wenatchee		46	0	0	0	46	0	0	0
Tumwater Dam	Wenatchee	2	167	0	0	0	21	0	146	0
<i>SUBTOTAL</i>			<i>216</i>	<i>0</i>	<i>191,700</i>	<i>176,000</i>	<i>70</i>	<i>0</i>	<i>146</i>	<i>0</i>
<i>TOTAL ESCAPEMENT</i>			<i>6,467</i>	<i>0</i>	<i>14,537,700</i>	<i>20,556,000</i>	<i>815</i>	<i>0</i>	<i>5,652</i>	<i>0</i>

1) Fish spawn naturally in one of three artificial spawning beaches on the Baker River.

2) 150 adult fish trapped at Tumwater Dam and shipped to Lake Wenatchee Net Pens to be spawned. Eggtake listed under Lake Wenatchee, Wenatchee stock.

PINK SALMON

Hatchery	Stock	Total Escapement		Goal**	Upstream	Escapement Less Upstream
		Adults	Eggtake	Eggtake	Adults	Adults
<u>PUGET SOUND REGION</u>						
Sunset Falls Trap	Skykomish Wild	962	0	0	962	0
Wallace River	Snohomish Wild	655	0	0	529	126
Minter Creek	Minter	13	1,500	100,000	0	13
Voight's Creek	Voights	12	9,000	100,000	0	12
Hoodsport	Hood Canal	7,639	1,800,000	1,300,000	0	7,639
<i>SUBTOTAL</i>		<i>9,281</i>	<i>1,810,500</i>	<i>1,500,000</i>	<i>1,491</i>	<i>7,790</i>
<u>COLUMBIA RIVER REGION</u>						
Cowlitz Salmon	Unknown	2	0	0	2	0
<i>SUBTOTAL</i>		<i>2</i>	<i>0</i>	<i>0</i>	<i>0</i>	
<i>TOTAL ESCAPEMENT</i>		<i>9,283</i>	<i>1,810,500</i>	<i>1,500,000</i>	<i>1,491</i>	<i>7,790</i>

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

SUMMER STEELHEAD

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>PUGET SOUND REGION</u>									
Reiter Ponds	Snohomish	421	0	577,500	300,000	0	0	421	0
Tokul Creek	Snohomish	305	0	0	0	257	0	48	0
Sunset Falls Trap	Skykomish	716	0	0	0	716	0	0	0
Palmer Ponds	Green	7	0	13,000	0	0	0	7	0
<i>SUBTOTAL</i>		<i>1,449</i>	<i>0</i>	<i>590,500</i>	<i>300,000</i>	<i>973</i>	<i>0</i>	<i>476</i>	<i>0</i>
<u>COASTAL REGION</u>									
Bogachiel	Quillayute	318	0	171,500	200,000	0	0	318	0
Lake Aberdeen	Van Winkle	92	0	167,000	125,000	0	0	92	0
Wynoochee Dam	Van Winkle	19	0	0	0	0	0	19	0
Humptulips	Van Winkle	28	0	0	0	0	0	28	0
<i>SUBTOTAL</i>		<i>457</i>	<i>0</i>	<i>338,500</i>	<i>325,000</i>	<i>0</i>	<i>0</i>	<i>457</i>	<i>0</i>

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

SUMMER STEELHEAD 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	Grays	12	0	0	0	12	0	0	0
Kalama Falls	Kalama Wild	1	159	0	64,100	90,000	153	0	6
Kalama Falls	Kalama		1,234	0	0	0	1,234	0	0
Cowlitz Salmon	Cowlitz		205	36	0	0	205	31	0
	Cowlitz Wild		5	0	0	0	5	0	0
Cowlitz Trout	Cowlitz		1,168	0	1,046,000	952,000	497	0	671
North Toutle	Toutle		3	0	0	0	3	0	0
North Toutle FCF	Toutle		53	0	0	0	46	0	7
Skamania	Skamania		607	2	600,000	1,100,000	0	0	607
Lewis River	Lewis		645	4	0	0	614	4	31
	Lewis Wild		2	0	0	0	2	0	0
Merwin	Lewis		479	0	332,800	250,000	0	0	479
Ringold Springs	Skamania		379	0	0	0	373	0	6
	Wells		3,094	0	163,366	0	2,861	0	233
Dryden Dam FCF	Wenatchee	2	153	0	0	0	36	0	117
Tumwater Dam FCF	Wenatchee	2	12	0	0	0	12	0	0
Eastbank	Wenatchee	2	0	0	267,550	460,000	0	0	0
Wells	Wells		452	0	543,500	1,250,000	77	0	375
Lyons Ferry	Lyons Ferry		3,953	1	871,856	1,200,000	2,820	0	1,133
Tucannon	Tucannon Wild		54	0	80,798	85,600	11	0	43
Dayton Ponds Trap	Touchet Wild	3	55	0	53,139	0	35	0	20
Cottonwood Pond	Wallowa		291	0	523,011	350,000	20	0	271
SUBTOTAL			13,015	43	4,546,120	5,737,600	9,016	35	3,999
TOTAL ESCAPEMENT			14,921	43	5,475,120	6,362,600	9,989	35	4,932

1) 42 fish live-spawned and returned to Kalama River. Eggtake listed under Kalama Falls, Kalama wild stock..

2) 152 adult fish hauled to Eastbank for spawning. Eggtake listed under Eastbank, Wenatchee stock.

3) 35 adult fish live-spawned and returned to the Touchet River. Eggtake listed under Lyons Ferry, Touchet wild stock.

WINTER STEELHEAD

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream		
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks	
<u>PUGET SOUND REGION</u>										
Dungeness	Dungeness	6	0	7,000	11,000	0	0	6	0	
Whitehorse	Stillaguamish	188	0	269,100	360,000	50	0	138	0	
Marblemount	Skagit	69	0	131,130	250,000	0	0	69	0	
Barnaby	Skagit	27	0	49,950	500,000	0	0	27	0	
Tokul Creek	Snohomish	403	0	955,500	1,200,000	120	0	283	0	
Cedar River	Lake Washington Wild	1	0	0	0	0	0	0	0	
Ballard Locks	Lake Washington Wild	1	3	0	0	3	0	0	0	
Palmer Ponds	Green		14	23,300	0	0	0	14	0	
Garrison Springs	Chambers Wild		2	0	0	2	0	0	0	
Voight's Creek	Puyallup	2	93	0	0	0	0	93	0	
Puyallup	Puyallup	2	17	128,000	500,000	0	0	17	0	
<i>SUBTOTAL</i>			816	0	1,556,980	2,810,000	175	0	641	0

- 1) 3 fish were trapped at Ballard Locks and shipped to Cedar River adult ponds to be spawned. Due to small run size and genetic concerns, fish were released back into the Cedar River.
2) Fish spawned at Voight's Creek Hatchery; eggs transferred to Puyallup Hatchery. Eggtake listed under Puyallup Hatchery, Puyallup stock.

WINTER STEELHEAD Cont.

Hatchery	Stock	Total Escapement			Goal**	Upstream		Escapement Less Upstream		
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks	
COASTAL REGION										
Elwha	Elwha	116	1	0	0	8	0	108	1	
Sol Duc	Sol Duc Wild	40	0	76,000	80,000	4	0	36	0	
Bogachiel	Bogachiel	1,285	0	1,891,000	900,000	0	0	1,285	0	
Humptulips	Van Winkle	937	1	254,000	125,000	0	0	937	1	
Lake Aberdeen	Van Winkle	188	0	220,500	300,000	0	0	188	0	
	Wynoochee	1	0	492,000	0	0	0	0	0	
Wynoochee Dam	Wynoochee	1	298	0	0	0	0	298	0	
Eight Creek Pond Trap	Chehalis Wild	2	53	0	0	20	0	33	0	
Bingham Creek	Satsop		146	0	172,000	175,000	29	0	117	0
	Chehalis Wild	2	0	0	51,500	175,000	0	0	0	0
	Skookumchuck	3	0	0	219,000	200,000	0	0	0	0
Skookumchuck Dam	Skookumchuck	3	616	0	0	487	0	129	0	
Forks Creek	Willapa		211	0	87,000	75,000	65	0	116	0
Naselle	Naselle		68	0	77,000	85,000	0	0	68	0
	Naselle Wild		2	0	3,000	0	0	2	0	
Nemah	Nemah		10	0	15,000	15,000	0	0	10	0
SUBTOTAL			3,970	2	3,558,000	2,130,000	613	0	3,327	2

1) 298 adult fish were trapped at Wynoochee Dam and shipped to Lake Aberdeen Hatchery to be spawned. Eggtake listed under Lake Aberdeen, Wynoochee stock.

2) 53 adult steelhead spawned at Eight Creek; eggs shipped to Bingham Creek. Eggtake listed under Bingham Creek, Chehalis wild stock.

3) 616 adult fish were trapped/spawned at Skookumchuck Dam; eggs were shipped to Bingham Creek. Eggtake listed under Bingham Creek, Skookumchuck stock.

WINTER STEELHEAD Cont.

Hatchery	Stock		Total Escapement			Goal**	Upstream		Escapement Less Upstream	
			Adults	Jacks	Eggtake	Eggtake	Adults	Jacks	Adults	Jacks
<u>COLUMBIA RIVER REGION</u>										
Beaver Creek	Elochoman	1	404	0	0	0	0	0	404	0
Elochoman	Elochoman	1	41	0	562,000	370,000	10	0	31	0
	Elochoman Wild	2	71	0	52,504	0	71	0	0	0
Grays River	Grays		405	0	108,403	0	347	0	58	0
Cowlitz Salmon	Cowlitz		613	0	0	0	613	0	0	0
	Cowlitz Late	3	677	0	0	0	292	0	385	0
	Cowlitz Wild		119	0	0	0	119	0	0	0
	Cowlitz Late Wild		218	0	0	0	218	0	0	0
Cowlitz Trout	Cowlitz		2,762	9	941,800	672,000	2,487	9	275	0
	Cowlitz Late		413	0	636,000	1,108,000	185	0	228	0
Kalama Falls	Kalama	4	376	1	84,346	90,000	204	1	172	0
	Kalama Wild	5	836	0	47,943	45,000	835	0	1	0
Skamania	Skamania		254	0	54,500	400,000	0	0	254	0
Lewis River	Lewis		65	0	0	0	65	0	0	0
	Lewis Wild		24	0	0	0	24	0	0	0
Merwin	Lewis		312	0	297,600	250,000	0	0	312	0
								10		
<i>SUBTOTAL</i>			7,590	10	2,785,096	2,935,000	5,470	20	2,120	0
<i>TOTAL ESCAPEMENT</i>			12,376	12	7,900,076	7,875,000	6,258	20	6,088	2

1) Beaver Creek Hatchery was closed. Eggs were transferred to Elochoman Hatchery. Eggtake listed under Elochoman Hatchery, Elochoman stock.

2) 71 adult fish live-spawned and returned to the Elochoman River. Eggtake listed under Elochoman Hatchery, Elochoman wild stock.

3) 385 adult fish shipped to Cowlitz Trout Hatchery to be spawned. Eggtake listed under Cowlitz Trout Hatchery, Cowlitz late stock.

4) Hatchery fish were caudal fin marked, Floy tagged and returned to river downstream of Kalama Falls Hatchery.

5) 24 fish live-spawned and returned to river above Kalama Falls Hatchery. Eggtake listed under Kalama Falls Hatchery, Kalama wild stock.

ANADROMOUS BROODSTOCK

Hatchery	Stock	Total Broodstock Handled			Goal**	Broodstock Planted	
		Adults	Jacks	Eggtake	Eggtake	Adults	Jacks
<u>Sea-run Cutthroat Trout</u>							
Eells Springs	Hood Canal	914	0	244,200	200,000	0	0
TOTAL		914	0	244,200	200,000	0	0
<u>Spring Chinook Salmon</u>							
Dungeness	Dungeness Wild	1,2	0	2,062,000	2,500,000	0	0
Hurd Creek	Dungeness Wild	1	964	0	0	0	0
SSNP	Dungeness Wild	2	331	0	0	0	0
TOTAL		1,295	0	2,062,000	2,500,000	0	0
TOTAL ANADROMOUS BROODSTOCK		2,209	0	2,306,200	2,700,000	0	0

- 1) Captive broodstock were reared in freshwater ponds at Hurd Creek. Adult fish were shipped to Dungeness to be spawned. Eggtake listed under Dungeness, Dungeness wild stock.
2) Captive broodstock were reared in saltwater pens at SSNP. Adult fish were shipped to Dungeness to be spawned. Eggtake listed under Dungeness, Dungeness wild stock.

ANADROMOUS GAMEFISH

Hatchery	Stock		Total Escapement		Goal**	Upstream	Escapement Less Upstream
			Adults	Eggtake	Eggtake	Adults	Adults
<u>Sea-run Cutthroat Trout</u>							
Samish	Samish Wild		31	0	0	31	0
Issaquah	Issaquah Wild		1	0	0	1	0
Soos Creek	Soos		62	0	0	62	0
Cedar River	Cedar		3	0	0	3	0
Garrison Springs	Chambers Wild		41	0	0	41	0
Minter	Minter Wild		130	0	0	130	0
Lake Aberdeen	Wynoochee		156	38,000	0	143	13
Beaver Creek	Elochoman		196	0	100,000	0	196
Cowlitz Salmon	Cowlitz	1	36	0	0	0	36
	Cowlitz Wild		92	0	0	92	0
Cowlitz Trout	Cowlitz	1	7,687	370,400	485,000	113	7,574
Skamania	Skamania		794	15,000	0	0	794
Lewis River	Lewis		1,468	0	0	580	979
Merwin	Lewis		120	0	0	29	91
TOTAL			10,817	423,400	585,000	1,225	9,683
<u>Atlantic Salmon</u>							
Minter Creek	Unknown	2	25	0	0	0	25
TOTAL			25	0	0	0	25
<u>Dolly Varden/Bulltrout (char)</u>							
Sunset Falls Trap	Skykomish Wild		45	0	0	45	0
TOTAL			45	0	0	45	0
TOTAL ANADROMOUS GAMEFISH			10,817	423,400	585,000	1,225	9,683

1) 36 adults were trapped at Cowlitz Salmon Hatchery and shipped to Cowlitz Trout Hatchery to be spawned. Eggtake listed under Cowlitz Trout Hatchery, Cowlitz stock.

2) Killed and examined according to current agency policy.

RESIDENT GAMEFISH BROODSTOCK

Hatchery	Stock	Total Broodstock Handled		Goal**	Broodstock Planted
		Adults	Eggtake	Eggtake	Adults
Rainbow Trout					
Lakewood	South Tacoma	828	905,204	800,000	0
Goldendale	Goldendale	2,936	4,501,168	7,780,000	754
Spokane	Spokane	5,808	5,027,002	8,000,000	0
TOTAL		9,572	10,433,374	16,580,000	754
Cutthroat Trout					
Eells Springs	Tokul Coastal	2,807	932,035	650,000	1,300
TOTAL		2,807	932,035	650,000	1,300
German Brown Trout					
Ford	Ford	1,969	1,619,256	1,000,000	1,900
TOTAL		1,969	1,619,256	1,000,000	1,900
Golden Trout					
Reiter Ponds	Tokul	396	25,905	10,000	0
TOTAL		396	25,905	10,000	0
Eastern Brook Trout (char)					
Ford	Ford	168	366,430	900,000	165
TOTAL		168	366,430	900,000	165
TOTAL RESIDENT GAMEFISH BROODSTOCK		14,912	13,377,000	19,140,000	4,119

** Eggtake goals developed in WDFW, 1999 Future Brood Document.

TOTAL RESIDENT GAMEFISH ESCAPEMENT

Hatchery	Stock		Total Escapement		Goal**	Returned to	Escapement
			Adults	Eggtake	Eggtake	stream/lake	Less returned to
			Adults	Eggtake	Eggtake	Adults	Adults
Rainbow Trout							
Marblemount	Ross Lake Wild	1	5	5,500	0	5	0
Cedar River	Cedar Wild	1	5	0	0	5	0
Colville	Phalon Lake Redband Wild	2	86	123,000	0	86	0
TOTAL			96	128,500	0	96	0
Cutthroat Trout							
Bingham Creek	Satsop Coastal Wild	1	27	0	0	27	0
Chelan	Twin Lake Westslope Wild	2	1,970	668,317	700,000	1,970	0
Omak	Lake Lenore Lahontan	2	462	586,632	591,000	462	0
Colville	Kings Lake Westslope	2	2,020	414,806	500,000	2,020	0
TOTAL			4,479	1,669,755	1,791,000	4,479	0
German Brown Trout							
Cowlitz Salmon	Cowlitz Wild	1	7	0	0	7	0
Cowlitz Trout	Unknown	1	4	0	0	4	0
TOTAL			11	0	0	11	0

1) Returned to stream.

2) Live-spawned and returned to lake.

TOTAL RESIDENT GAMEFISH ESCAPEMENT Cont.

Hatchery	Stock		Total Escapement		Goal**	Returned to	Escapement
			Adults	Eggtake	Eggtake	stream/lake	Less returned to
			Adults	Eggtake	Eggtake	Adults	Adults
Bull Trout (char)							
Chiwawa	Chiwawa Wild	1	359	0	0	359	0
Lake Wenatchee	Wenatchee Wild	1	9	0	0	9	0
TOTAL			368	0	0	368	0
Kokanee(landlocked sockeye salmon)							
Chambers Creek	Summit Lake		2,783	529,650	800,000	0	2,783
Speelyai	Lewis		328	0	0	0	328
	Lewis Wild		1,068	181,200	0	0	1,068
Lake Whatcom	Lake Whatcom		146,270	14,132,892	13,100,000	0	146,270
Colville	Lake Roosevelt		34	9,000	0	0	34
TOTAL			150,483	14,852,742	13,900,000	0	150,483
Mountain Whitefish							
Cowlitz Salmon	Cowlitz Wild	1	1,877	0	0	1,877	0
Dryden Dam	Wenatchee Wild	1	2	0	0	2	0
Tumwater Dam	Wenatchee Wild	1	68	0	0	68	0
TOTAL			1,947	0	0	1,947	0
TOTAL RESIDENT GAMEFISH ESCAPEMENT			157,384	16,650,997	15,691,000	6,901	150,483

1) Returned to stream.

** Eggtake goals developed in WDFW, 1999 Future Brood Document.