

STATE OF WASHINGTON  
DEPARTMENT OF FISHERIES  
SALMON CULTURE DIVISION

AMENDED  
FINAL

1988 HATCHERY RACK ESCAPEMENT

NANCY BARBUTO

APRIL 1989

1988 ESCAPEMENT TOTALS

<u>SPECIES</u>	<u>ADULTS</u>	<u>JACKS</u>	<u>EGGS TAKEN</u>	<u>UPSTREAM</u>		<u>ESC MINUS UPSTRM</u>	
				<u>ADULTS</u>	<u>JACKS</u>	<u>ADULTS</u>	<u>JACKS</u>
SPRING CHINOOK	14,860	3,355	12,797,000	354	42	14,506	3,313
SUMMER CHINOOK	2,252	263	4,801,125	0	0	2,252	263
SPRINGS + SUMMERS	17,112	3,618	17,598,125	354	42	16,758	3,576
FALL CHINOOK	102,633	21,214	153,547,684	1,685	6,541	100,948	14,673
COHO	323,269	70,958	160,611,400	67,097	5,889	256,172	65,069
CHUM	91,027	0	56,599,500	19,045	0	71,982	0
GRAND TOTAL	534,041	95,790	388,356,709	88,181	12,472	445,860	83,318

**1988 SPRING & SUMMER CHINOOK ESCAPEMENT**

<u>HATCHERY NAME</u>	<u>STOCK NAME</u>	<u>ADULTS</u>	<u>JACKS</u>	<u>EGGS TAKEN</u>	<u>UPSTREAM</u>		<u>ESC MINUS UPSTRM</u>	
					<u>ADULTS</u>	<u>JACKS</u>	<u>ADULTS</u>	<u>JACKS</u>
NOOKSACK	SPRINGS	837	142	2,026,800	0	0	837	142
SKAGIT	SPRINGS-CLARK	123	64	22,000	0	0	123	64
	SUMMERS-CLARK	555	24	777,000	0	0	555	24
SKYKOMISH	SPRINGS-SUNSET	202	25	0	202	25	0	0
	SUMMERS	207	49	304,000	0	0	207	49
HUPP SPS	SPRINGS-WHITE	503	58	175,000	0	0	503	58
	SUBTOTAL							
	SPRINGS	1,665	289	2,223,800	202	25	1,463	264
	SUMMERS	762	73	1,081,000	0	0	762	73
SOLEDUCK	SPRINGS	844	7	733,400	0	0	844	7
	SUMMERS	316	0	489,700	0	0	316	0
	SPRINGS-DUNGE	5	0	0	0	0	5	0
	SUBTOTAL							
	SPRINGS	849	7	733,400	0	0	849	7
	SUMMERS	316	0	489,700	0	0	316	0
COWLITZ	SPRINGS	9,080	2,479	5,018,000	0	0	9,080	2,479
KALAMA FALLS	SPRINGS	932	32	954,000	10	13	922	19
LEWIS RIVER	SPRINGS (1)	332	220	0	0	0	332	220
SPEELYAI	SPRINGS	0	0	595,000	0	0	0	0
KLICKITAT	SPRINGS	1,419	301	3,076,000	0	0	1,419	301
LYON'S FERRY	SPRINGS-TUCANN	261	15	196,800	142	4	119	11
WELLS DAM	SUMMERS	1,174	190	3,230,425	0	0	1,174	190
	SUBTOTAL							
	SPRINGS	12,024	3,047	9,839,800	152	17	11,872	3,030
	SUMMERS	1,174	190	3,230,425	0	0	1,174	190
TOTAL SPRINGS		14,538	3,343	12,797,000	354	42	14,184	3,301
TOTAL SUMMERS		2,252	263	4,801,125	0	0	2,252	263
GRAND TOTAL		16,790	3,606	17,598,125	354	42	16,436	3,564

(1) All adults shipped to and spawned at Speelyai

1988 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
GLENWOOD SPRNGS		384	155	1,025,000	0	0	384	155
NOOKSACK		670	742	1,404,000	0	0	670	742
SAMISH		4,428	4,391	8,797,000	0	0	4,428	4,391
SKAGIT	CLARK CRK	736	104	1,219,000	0	0	736	104
SKYKOMISH	MAY-WALL	915	64	1,548,000	0	0	915	64
	SUNSET FLS	483	52	0	483	52	0	0
ISSAQUAH		1,359	635	2,293,000	0	0	1,359	635
GREEN RIVER		10,436	1,242	17,955,734	0	0	10,436	1,242
PUYALLUP	VOIGHT	1,128	51	1,672,000	0	0	1,128	51
MCALLISTER		2,667	774	5,493,400	0	0	2,667	774
GARRISON	CHAMBERS	755	364	1,761,000	14	15	741	349
DESCHUTES		6,456	6,456	12,276,650	154	6,126	6,302	330
MINTER CREEK		693	355	1,090,000	0	0	693	355
COULTER CREEK		304	18	538,000	10	0	294	18
GEORGE ADAMS		4,439	336	3,638,400	0	0	4,439	336
MCKERNAN		491	50	288,800	0	0	491	50
HOOD CANAL		5,259	553	8,932,000	0	0	5,259	553
ELWHA CHAN		2,538	10	5,907,000	0	0	2,538	10
SUBTOTAL		44,141	16,352	75,838,984	661	6,193	43,480	10,159
SOLEDUCK		171	1	346,000	0	0	171	1
HUMPTULIPS		160	0	409,600	0	0	160	0
	NATIVE	107	0	542,100	0	0	107	0
WILLAPA		8,649	420	9,717,000	722	0	7,927	420
NEMAH		4,320	103	5,935,000	84	0	4,236	103
NASELLE		4,489	185	4,630,000	116	7	4,373	178
SUBTOTAL		17,896	709	21,579,700	922	7	16,974	702
GRAYS RIVER		1,357	90	2,753,000	0	0	1,357	90
ELOKOMIN		4,705	42	9,008,500	0	0	4,705	42
COWLITZ		13,798	953	12,969,000	0	0	13,798	953
LOWER KALAMA		658	26	802,000	0	0	658	26
KALAMA FALLS		3,438	36	5,411,500	0	0	3,438	36
LEWIS RIVER		52	37	0	51	36	1	1
WASHOUGAL		5,219	225	6,600,000	0	0	5,219	225
LYONS FERRY		1,403	1,059	2,568,000	0	0	1,403	1,059
PRIEST RAPIDS		9,966	1,685	16,017,000	51	305	9,915	1,380
SUBTOTAL		40,596	4,153	56,129,000	102	341	40,494	3,812
GRAND TOTAL		102,633	21,214	153,547,684	1,685	6,541	100,948	14,673

## 1988 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	KENDALL	5,152	8,703	3,568,200	0	0	5,152	8,703
SAMISH		5,851	469	0	5,851	469	0	0
SKAGIT	BAKER	65	0	9,200	0	0	65	0
	CLARK	8,327	243	7,064,000	0	0	8,327	243
SKYKOMISH	MAY-WALL	22,941	129	26,160,300	175	25	22,766	104
	SUNSET FA	17,935	212	0	17,935	212	0	0
ISSAQUAH		18,781	7,132	7,896,000	4,600	0	14,181	7,132
GREEN RIVER		25,157	147	10,330,000	3,582	10	21,575	137
PUYALLUP		5,117	826	3,800,000	700	0	4,417	826
GARRISON SPS		715	353	16,000	677	344	38	9
MINTER CREEK		25,637	2,054	8,766,000	1,950	0	23,687	2,054
DESCHUTES		7584	49	0	7095	38	489	11
GEORGE ADAMS		3,549	128	2,163,000	0	0	3,549	128
MCKERNAN		10	2	0	0	0	10	2
HOOD CANAL		2,131	824	374,000	0	0	2,131	824
DUNGENESS		1,950	159	2,441,600	0	0	1,950	159
SUBTOTAL		150,902	21,430	72,588,300	42,565	1,098	108,337	20,332
SOLEDUCK	SUMMER	1,912	1,184	1,746,900	400	0	1,512	1,184
	FALL	2,149	1,129	2,731,500	0	0	2,149	1,129
	SHALE CRK	2,045	2	2,796,500	0	0	2,045	2
HUMPTULIPS		27,108	3,560	18,389,000	0	0	27,108	3,560
SIMPSON		12,945	17	10,510,000	1,898	10	11,047	7
	BINGHAM	10,678	217	0	9,672	192	1,006	25
	LATE BING	214	0	206,000	0	0	214	0
WILLAPA		12,394	7,648	3,057,000	676	100	11,718	7,548
NEMAH		3,900	737	1,690,800	948	0	2,952	737
NASELLE		13,773	3,644	6,837,000	31	272	13,742	3,372
SUBTOTAL		87,118	18,138	47,964,700	13,625	574	73,493	17,564
GRAYS RIVER	TYPE-S	3,035	1,609	2,813,000	300	0	2,735	1,609
ELOKOMIN	TYPE-S	3,754	764	1,824,400	0	0	3,754	764
	TYPE-N	2,766	2,127	3,330,000	175	0	2,591	2,127
COWLITZ	TYPE-N	30,888	11,104	13,601,000	5,135	3,719	25,753	7,385
LOWER KALAMA	TYPE-S	1,143	28	888,000	208	3	935	25
KALAMA FALLS	TYPE-S	4,877	86	985,000	1,778	0	3,099	86
	TYPE-N	1,922	1,329	1,138,000	26	482	1,896	847
LEWIS RIVER	TYPE-S	3,198	450	390,000	1,285	0	1,913	450
	TYPE-N	27,765	13,634	11,420,000	1,579	0	26,186	13,634
SPEELYAI	TYPE-S	1,799	14	2,294,000	0	0	1,799	14
WASHOUGAL	TYPE-S	580	24	255,000	0	0	580	24
	TYPE-N	3,000	215	1,120,000	237	11	2,763	204
KLICKITAT	TYPE-S	522	6	0	184	2	338	4
SUBTOTAL		85,249	31,390	40,058,400	10,907	4,217	74,342	27,173
GRAND TOTAL		323,269	70,958	160,611,400	67,097	5,889	256,172	65,069

1988 CHUM ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		400	0	424,000	0	0	400	0
SAMISH		704	0	464,000	0	0	704	0
SKAGIT		78	0	78,000	0	0	78	0
SKYKOMISH	SUNSET FLS	29	0	0	29	0	0	0
GARRISON SPS	CHAMBERS CR	5,284	0	104,000	5,243	0	41	0
MINTER CREEK		425	0	187,000	0	0	425	0
COULTER CREEK		2,884	0	1,390,000	1,500	0	1,384	0
GEORGE ADAMS		962	0	522,600	0	0	962	0
	JOHN'S CRK	4,885	0	2,456,200	700	0	4,185	0
MCKERNAN		3,717	0	2,992,700	0	0	3,717	0
HOOD CANAL		57,139	0	42,836,000	5,500	0	51,639	0
SUBTOTAL		76,507	0	51,454,500	12,972	0	63,535	0
NEMAH		7,668	0	3,205,000	4,500	0	3,168	0
NASELLE		6,852	0	1,940,000	1,573	0	5,279	0
SUBTOTAL		14,520	0	5,145,000	6,073	0	8,447	0
GRAND TOTAL		91,027					71,982	0

*Priest*  
*Jacks 1391 from 1685*  
*Adults 9928 from 9966*