

STATE OF WASHINGTON

DEPARTMENT OF FISHERIES
SALMON CULTURE DIVISION

1983 HATCHERY RACK ESCAPEMENT

P. M. HILL
AUGUST 9, 1984

1983 ESCAPEMENT TOTALS

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTREAM	
				ADULTS	JACKS	ADULTS	JACKS
SPRING CHINOOK	17,135	5,693	12,362,400	1,166	622	15,969	5,071
SUMMER CHINOOK	1,690	1,198	3,583,400	177	1,023	1,513	175
SPRING + SUMMER	18,825	6,891	15,945,800	1,343	1,645	17,482	5,246
FALL CHINOOK	71,082	14,250	118,891,600	1,858	4,873	69,224	9,377
COHO	232,392	53,490	120,995,200	41,374 ¹	10,007	191,292	43,483
CHUM	36,971		48,331,100	3,943		33,028	
PINKS	8,831		688,300	7,768		1,063	
GRAND TOTAL	368,101	74,631	304,852,000	56,286	16,525	312,089	58,106

1. 274 WERE NOT ADDED INTO ESCAPEMENT-UPSTREAM IN HIGH WATER.

1983 SPRING & SUMMER CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
SKAGIT	SPS-BUCK CR ¹	17	0	24,300	0	0	17	0
	SPS-CLARK CR	14	1	36,100	0	0	14	1
	SPS-SULFER C ¹	7	0	14,900	0	0	7	0
	SUM	308	57	896,400	0	0	308	57
SKYKOMISH	SUM-SUM FLS	177	116	0	177	116	0	0
	SUM	221	11	440,000	0	0	221	11
HUPP SPS	SPS-WHT RIV ²	24	2	17,800	0	0	24	2
	SPS-WHT RIV ³	53	21	0	0	0	53	21
MINTER CREEK	SPS	27	4	19,900	0	0	27	4
SUBTOTAL	SPS	142	28	113,000	0	0	142	28
	SUM	706	184	1,336,400	177	116	529	68
SOLEDUCK	SPS	70	4	84,000	13	4	57	0
	SUM	143	5	272,000	0	0	143	5
SUBTOTAL	SPS	70	4	84,000	13	4	57	0
	SUM	143	5	272,000	0	0	143	5
DOWLITZ	SPS	13,318	4,580	9,747,000	0	372	13,318	4,208
KALAMA FALLS	SPS	1,755	246	954,400	1,153	246	602	0
SPEELYAI	SPS	103	1	210,000	0	0	103	1
KLICKITAT	SPS	609	834	1,254,000	0	0	609	834
RINGSOLD	SPS	1,138	0	0	0	0	1,138	0
WELLS DAM	SUM	841 ⁴	1,009	1,975,000	0	907	841	102
SUBTOTAL	SPS	16,923	5,661	12,165,400	1,153	618	15,770	5,043
	SUM	841	1,009	1,975,000	0	907	841	102
TOTAL SPS		17,135	5,693	12,362,400	1,166	622	15,969	5,071
TOTAL SUM		1,690	1,198	3,583,400	177	1,023	1,513	175
GRAND TOTAL		18,825	6,891	15,945,800	1,343	1,645	17,482	5,246

1. GAFFED AND SPAWNED AT STREAM SITE.
2. HAULED IN FROM MUD MOUNTAIN DAM.
3. HAULED IN FROM MANCHESTER.
4. 92 WERE VOLUNTEERS.

1983 FALL CHINDOK ESCAPEMENT

HATCHERY NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
				ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	187	1,187	339,000	0	0	187	1,187
SAMISH	19,419	3,710	33,208,800	105	0	19,314	3,710
SKAGIT	523	137	1,330,800	0	0	523	137
SKYKOMISH	951	77	1,535,000	0	0	951	77
ISSAQUAH	6,291	460	9,245,400	286	0	6,005	460
GREEN RIVER	2,888	155	7,091,300	0	0	2,888	155
PUYALLUP	1,959	42	3,573,000	0	0	1,959	42
MINTER CREEK	495	79	1,075,900	0	0	495	79
COULTER CREEK	450	97	840,800	0	0	450	97
DESCHUTES	6,387 ¹	2,186	12,498,900	1,150	2,083	5,237	103
PERCIVAL COVE	19	15	0	19 ²	15	0	0
GARRISON SPS	601	564	1,098,000	6	4	595	560
GEORGE ADAMS	236	246	338,600	0	0	236	246
MCKERNAN	35	86	20,800	0	0	35	86
HOOD CANAL	1,689	987	1,562,400	0	0	1,689	987
ELWHA CHANNEL	1,199 ³	14	2,933,500	0	0	1,199 ³	14
SUBTOTAL	43,329	10,042	76,692,200	1,566	2,102	41,763	7,940
SOLEDUCK	83	2	143,000	0	0	83	2
HUMPTULIPS	627	39	575,600	0	0	627	39
WILLAPA	3,220	41	3,433,700	93	0	3,127	41
NASELLE	926	127	853,400	0	0	926	127
NEMAH	413	36	710,000	0	0	413	36
SUBTOTAL	5,269	245	5,715,700	93	0	5,176	245
GRAYS RIVER	268	6	524,000	0	0	268	6
(ELOKOMIN)			1,498,000	0	0	0	0
ELOKOMIN	2,690 ⁴	1	3,276,000	0	0	2,690 ⁴	1
COWLITZ	5,969	496	8,360,000	0	0	5,969	496
LOWER KALAMA	658	46	669,500	0	0	658	46
SNAKE RIV	223	35	39,500	0	0	223	35
SNA & PRIEST	199	78	131,500	0	0	199	78
KALAMA FALLS	3,774	9	7,323,300	17	8	3,757	1
SNAKE RIV	68	4	60,000	0	0	68	4
SNA & PRIEST	862	30	795,200	0	0	862	30
LEWIS RIVER	434 ⁵	151	414,000	4	0	430	151
WASHOUBAL	3,996	62	6,449,500	150	0	3,846	62
KLICKITAT	147	13	218,400	0	0	147	13
RINGOLD	154	50	370,000	0	0	154	50
PRIEST RAPIDS	1,788	2,371	6,354,800	0	2,371	1,788	0
VOLUNTEER	1,254	611	0 ⁶	28	392	1,226	219
SUBTOTAL	22,484	3,963	36,483,700	199	2,771	22,285	1,92
GRAND TOTAL	71,082	14,250	118,891,600	1,858	4,873	69,224	9,377

1. 1902 FEMALES HAULED IN FROM PERCIVAL COVE AREA.
2. AN ESTIMATED 200-300 ADDITIONAL FISH JUMPED THE SCREENS AND WENT UPSTREAM.
3. 488 WERE GAFFED FROM RIVER.
4. OF THESE 746 WERE HAULED TO GRAYS RIVER FOR HOLDING AND SPANNING.
5. AN ADDITIONAL 12 MALES WERE INADVERTENTLY LEFT OFF ALL PAPERWORK.
6. ALL ADULTS WERE HELD IN THE SAME POND-THE EGGS ARE LISTED TOGETHER.

1983 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		3,790	4,899	2,600,300	0	0	3,790	4,899
SAMISH		7,177	364	0	7,145	362	32	2
SKAGIT	BAKER	466	10	417,200	274	0	466	10
	CLARK	10,155	2,424	9,157,500	0	0	10,155	2,424
SKYKOMISH		8,471	538	7,453,000	0	0	8,471	538
	SUNS FALLS	15,485	66	1,980,000	5,924	40	9,561	26
ISSAQUAH		11,697	3,170	4,335,700	2,000	100	9,697	3,070
GREEN RIVER		28,577	861	8,214,800	3,000	92	25,577	769
PUYALLUP		14,608	866	9,750,000	438	0	14,170	866
MINTER CREEK		13,334	5,270	7,646,900	1,248	75	12,086	5,195
COULTER CREEK		538	0	0	538	0	0	0
DESCHUTES		4,914	568	0	4,273	527	641	41
GARRISON SPRINGS		4,131	2,444	0	1,689	671	2,442	1,773
GEORGE ADAMS		4,127	1,254	3,085,100	0	0	4,127	1,254
	JOHN'S CREEK	4,405	252	0	3,106	158	1,299	94
MCKERNAN		69	117	0	0	0	69	117
HOOD CANAL		429	37	0	0	0	429	37
DUNGENESS		4,936	763	3,192,000	0	0	4,936	763
ELWHA CHANNEL		1,331	64	765,200	0	0	1,331	64
	SUBTOTAL	138,640	23,967	58,617,700	29,635	2,025	109,279	21,942
SOLEDUCK	SUMMER	4,048	590	3,038,000	28	0	4,020	590
	FALL	861	839	962,000	38	14	823	825
HUMPTULIPS		5,508	43	3,162,900	0	0	5,508	43
SIMPSON		6,766	201	7,805,600	700	20	6,066	181
	BINGHAM	1,418	75	497,100	1,017	49	401	26
	(ADULTS PRELIM)LATE BINGHAM	529	1	408,000	191	1	338	0
SATSOP SPRINGS		603	8	492,000	0	0	603	8
WILLAPA		6,432	429	2,531,200	3,414	217	3,018	212
NASELLE		6,506	740	4,894,100	386	26	6,120	714
NEMAH		5,660	438	2,832,100	1,210	0	4,450	438
	SUBTOTAL	38,331	3,364	26,623,000	6,984	327	31,347	3,037
GRAYS RIVER	TYPE-S	178	112	126,000	0	0	178	112
ELOKOMIN	TYPE-N	495	609	140,700	0	0	495	609
OWLITZ	TYPE-N	24,493	10,111	17,099,000	3,360	6,103	21,133	4,008
LOWER KALAMA	TYPE-S	107	5	99,000	0	0	107	5
	TYPE-N	382	807	220,000	0	0	382	807
KALAMA FALLS	TYPE-S	1,040	112	974,900	132	52	908	60
	TYPE-N	2,363	354	1,224,500	358	107	2,005	247
LEWIS RIVER	TYPE-S	4,315	6,895	1,182,400	0	1,184	4,315	5,711
	TYPE-N	13,410	5,878	9,543,500	46	0	13,364	5,878
SPEELYAI	TYPE-S	50	0	39,000	0	0	50	0
WASHOUGAL	TYPE-S	4,483	440	3,554,000	277	177	4,206	263
	TYPE-N	4,105	836	1,551,500	582	32	3,523	804
	SUBTOTAL	55,421	26,159	35,754,500	4,755	7,655	50,666	18,504
GRAND TOTAL		232,392	53,490	120,995,200	41,374	10,007	191,292	43,483

1. ESTIMATED UPSTREAM IN HIGH WATER, NOT ADDED INTO ESCAPEMENT.

HATCHERY NAME	1983 CHUM ESCAPEMENT		ESC MINUS	
	ADULTS	EGGS TAKEN	UPSTREAM ADULTS	UPSTREAM ADULTS
NOOKSACK	291	701,600	0	291
SAMISH	1,383	356,100	1,182	201
SKAGIT	4	0	0	4
MINTER CREEK	3,953	4,149,100	1,100	2,853
LATES	137	172,500	0	137
COULTER CREEK	2,022	2,550,800	0	2,022
DESCH (ALLISON)	47	75,000	0	47
GARRISON SPS	41	0	41	0
LATES	2,893	1,171,900	1,617	1,276
GEORGE ADAMS	736	1,214,100	0	736
EARLY JOHNS	1,104	1,367,400	0	1,104
LATE JOHNS	226	282,900	0	226
MCKERNAN	2,144	3,527,200	0	2,144
HOOD CANAL	16,614	26,229,700	0	16,614
SUBTOTAL	31,595	41,798,300	3,940	27,655
HUMPTULIPS	428	378,300	0	428
SIMPSON	44	11,500	0	44
SATSOP SPRING	367	323,000	0	367
NASELLE	747	845,300	3	744
NEMAH	3,790	4,974,700	0	3,790
SUBTOTAL	5,376	6,532,800	3	5,373
GRAND TOTAL	36,971	48,331,100	3,943	33,028

1983 PINK ESCAPEMENT				
SKAGIT	128	93,400	0	128
SKYKOMISH	283	218,000	0	283
SUNSET FALLS	7,768	0	7,768	0
MINTER CREEK	147	78,100	0	147
GARRISON SPS	2	3,000	0	2
HOOD CANAL	503	295,800	0	503
GRAND TOTAL	8,831	688,300	7,768	1,063