

STATE OF WASHINGTON  
DEPARTMENT OF FISHERIES  
SALMON CULTURE DIVISION

FINAL  
1986 HATCHERY RACK ESCAPEMENT

PAM ABRAHAMSON

MAY 1987

## 1986 ESCAPEMENT TOTALS

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS	UPSTRM
				ADULTS	JACKS	ADULTS	JACKS
SPS CHINOOK	8,766	5,112	7,086,718	325	23	8,441	5,089
SUM CHINOOK	3,091	565	5,706,900	584	219	2,507	346
SPS + SUM	11,857	5,677	12,793,618	909	242	10,948	5,435
FALL CHINOOK	98,352	24,293	163,335,300	4,939	5,497	93,413	18,796
COHO	430,268	42,628	144,084,400	75,938	6,015	354,330	36,613
CHUM	71,330	0	70,007,400	3,182	0	68,148	0
GRAND TOTAL	611,807	72,598	390,220,718	84,968	11,754	526,839	60,844

1986 SPRING & SUMMER CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	SPS	80	310	182,268	0	0	80	310
SKAGIT	SPS-CLARK	43	4	94,800	0	0	43	4
	SUM-CLARK	300	18	576,800	0	0	300	18
SKYKOMISH	SUM-SUN FLS	530	197	0	530	197	0	0
	SUM	243	6	422,000	0	0	243	6
MINTER CREEK	SPS	183	63	122,850	0	0	183	63
HUPP SPS	SPS-WHITE	103	20	113,500	0	0	103	20
SUBTOTAL	SPS	409	397	513,418	0	0	409	397
	SUM	1,073	221	998,800	530	197	543	24
SOLEDUCK	SPS-DUNGEN	10	0	19,900	0	0	10	0
	SPS	202	5	161,400	101	5	101	0
	SUM	117	26	57,100	54	22	63	4
SUBTOTAL	SPS	212	5	181,300	101	5	111	0
	SUM	117	26	57,100	54	22	63	4
COWLITZ	SPS	5,591	4,101	4,079,000	0	0	5,591	4,101
KALAMA FALLS	SPS	474	47	584,800	93	18	381	29
LEWIS RIVER	SPS (1)	3	145	0	0	0	3	145
SPEELYAI	SPS (2)	391	16	793,000	0	0	391	16
KLICKITAT	SPS	485	401	747,200	0	0	485	401
LYON'S FERRY	SPS-TUCANNON	251	0	188,000	131	0	120	0
RINGOLD	SPS	950	0	0	0	0	950	0
WELLS DAM	SUM	1,901	318	4,651,000	0	0	1,901	318
SUBTOTAL	SPS	8,145	4,710	6,392,000	224	18	7,921	4,692
	SUM	1,901	318	4,651,000	0	0	1,901	318
TOTAL SPS		8,766	5,112	7,086,718	325	23	8,441	5,089
TOTAL SUM		3,091	565	5,706,900	584	219	2,507	346
GRAND TOTAL		11,857	5,677	12,793,618	909	242	10,948	5,435

1 Not included 144 adults and 1 jack shipped to Speelyai  
 2 Includes 144 adults and 1 jack shipped from Lewis

1986 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTR	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		690	492	2,228,900	0	0	690	492
SAMISH		11,032	366	25,525,500	1,595	98	9,437	268
SKAGIT		469	23	1,034,800	0	0	469	23
SKYKOMISH		688	15	1,442,300	0	0	688	15
ISSAQUAH		2,884	25	4,734,300	0	0	2,884	25
GREEN RIVER		10,758	148	22,831,000	0	0	10,758	148
PUYALLUP	CLARK	59	0	126,000	0	0	59	0
	VOIGHT	918	23	2,362,000	0	0	918	23
MCALLISTER		550	485	723,300	8	10	542	475
GARRISON	CHAMBERS	395	93	1,007,600	0	0	395	93
DESCHUTES		4,555	826	11,044,500	153	721	4,402	105
	PERICVAL	35	0	0	35	0	0	0
MINTER CREEK		641	40	1,293,400	0	0	641	40
COULTER CREEK		669	39	1,390,500	0	0	669	39
GEORGE ADAMS		2,972	1,074	5,225,800	0	0	2,972	1,074
MCKERNAN		262	145	363,100	0	0	262	145
HOOD CANAL		1,503	1,120	2,698,000	0	0	1,503	1,120
ELWHA CHAN (1)		1,775	88	2,619,000	0	0	1,775	88
	SUBTOTAL	40,855	5,002	86,650,000	1,791	829	39,064	4,173
SOLEDUCK		86	2	223,600	0	0	86	2
HUMPTULIPS (2)		1,071	55	1,024,500	0	0	1,071	55
	NATIVE	180	5	345,300	0	0	180	5
WILLAPA		4,938	592	6,064,000	250	0	4,688	592
NEMAH		811	458	1,186,600	0	0	811	458
NASELLE		1,948	1,195	1,833,000	1	1	1,947	1,194
	SUBTOTAL	9,034	2,307	10,677,000	251	1	8,783	2,306

1986 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
GRAYS RIVER		1,210	253	1,836,900	0	0	1,210	253
	SKAMAKAWA	504	8	676,700	173	1	331	7
ELOKOMIN		1,514	139	2,572,700	0	0	1,514	139
COWLITZ		10,757	1,923	14,557,000	0	0	10,757	1,923
LOWER KALAMA		2,495	169	3,850,000	0	0	2,495	169
KALAMA FALLS		3,672	173	7,049,000	216	75	3,456	98
	SNAKE-LV (3)	274	1	840,000	0	0	274	1
	SNAKE-RV	302	0		0	0	302	0
LEWIS		113	91	0	103	63	10	28
SPEELYAI		9	8	0	9	8	0	0
WASHOUGAL		10,402	586	11,790,000	652	107	9,750	479
KLICKITAT		202	45	117,900	0	0	202	45
LYONS FERRY		457	1,148	592,000	0	0	457	1,148
RINGOLD		1,430	710	0	0	0	1430	710
PRIEST RAPIDS		14,865	11,588	22,126,100	1,583	4,323	13,282	7,265
ROCKY REACH		257	142	0	161	90	96	52
SUBTOTAL		48,463	16,984	66,008,300	2,897	4,667	45,566	12,317
GRAND TOTAL		98,352	24,293	163,335,300	4,939	5,497	93,413	18,796

- 1 181 males and 324 females gaffed
- 2 On-site spawn 6 males and 8 females
- 3 Includes Snake-RV egg count

1986 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	KENDALL	4,350	1,952	3,353,600	1,000	500	3,350	1,452
SAMISH		5,645	485	0	5,645	485	0	0
SKAGIT	BAKER	178	0	67,500	0	0	178	0
	CLARK *	12,970	303	4,989,000	0	0	12,970	303
SKYKOMISH (1)		24,130	132	12,840,000	7,000	0	17,130	132
	SUNS FLS	18,918	93	0	18,918	93	0	0
ISSAQUAH (2)		19,929	5,516	2,835,500	8,000	0	11,929	5,516
GREEN RIVER		15,343	172	5,031,700	5,100	0	10,243	172
PUYALLUP		13,816	4,611	9,666,000	1,000	0	12,816	4,611
GARRISON SPS		475	91	0	473	91	2	0
DESCHUTES		6	0	0	6	0	0	0
MINTER CREEK		15,124	9,165	7,144,900	900	0	14,224	9,165
GEORGE ADAMS		14,755	1,065	1,708,800	0	0	14,755	1,065
	JOHNS CREEK	140	38	0	140	38	0	0
MCKERNAN		292	98	0	0	0	292	98
HOOD CANAL		7,045	1,702	588,000	0	0	7,045	1,702
DUNGENESS		1,177	2	1,689,900	0	0	1,177	2
ELHWA	FALL	375	4	350,000	45	0	330	4
SUBTOTAL		154,668	25,429	50,264,900	48,227	1,207	106,441	24,222
SOLEDUCK	SUMMER	8,932	2,156	6,030,000	497	0	8,435	2,156
	FALL	794	23	940,000	0	0	794	23
	QUILLEUTE	175	0	139,100	0	0	175	0
HUMPTULIPS		24,469	81	6,065,000	0	0	24,469	81
SIMPSON		11,688	598	7,705,000	4,009	124	7,679	474
	BINGHAM	3,270	149	357,500	2,535	128	735	21
	LATE BING	1,021	1	836,000	299	0	722	
WILLAPA (3)		19,806	171	4,241,000	6,070	0	13,736	171
NEMAH (4)		18,945	754	6,702,800	4,710	0	14,235	754
NASELLE		32,687	1,351	13,258,000	0	0	32,687	1,351
SUBTOTAL		121,787	5,284	46,274,400	18,120	252	103,667	5,031

## 1986 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS	UPSTR
					ADULTS	JACKS	ADULTS	JACKS
GRAYS RIVER	TYPE-S	1,883	92	1,892,000	0	0	1,883	92
ELOKOMIN	TYPE-N	5,458	682	3,935,000	0	0	5,458	682
COWLITZ	TYPE-N	54,685	9,103	13,409,000	4,897	4,293	49,788	4,810
LOWER KALAMA	TYPE-S	38	29	15,000	0	0	38	29
	TYPE-N	40	0	0	40	0	0	0
KALAMA FALLS	TYPE-S	5,578	158	4,310,600	1,393	138	4,185	200
	TYPE-N	6,921	163	1,635,000	103	82	6,818	81
LEWIS RIVER	TYPE-S (5)	1,385	76	465,100	230	0	1,155	76
	TYPE-N	48,001	1,313	6,814,500	0	0	48,001	1,313
SPEELYAI	TYPE-S (6)	1,529	19	1,774,000	0	0	1,529	19
WASHOUGAL	TYPE-S	16,999	48	8,688,000	705	0	16,294	48
	TYPE-N	10,443	158	4,229,000	2,200	0	8,243	158
KLICKITAT	TYPE-S	779	7	367,900	0	0	779	7
ROCKY REACH	TYPE-S	74	67	10,000	23	43	51	24
SUBTOTAL		153,813	11,915	47,545,100	9,591	4,556	144,222	7,359
GRAND TOTAL		430,268	42,628	144,084,400	75,938	6,015	354,330	36,618

- 1 Includes estimated 7,000 upstream due to flooding
- 2 Includes estimated 400 adults that went over the rack
- 3 Includes estimated 4,000 adults over the rack due to high water
- 4 Not included 4,000-6,000 adults over the rack due to high water
- 5 Not included 1223 adults and 12 jacks shipped to Speelyai
- 6 Includes 1223 adults and 12 jacks shipped from Lewis

## 1986 CHUM ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		445	0	537,000	0	0	445	0
SKAGIT		345	0	631,300	0	0	345	0
SKYKOMISH	MAY CREEK	294	0	276,000	0	0	294	0
	SUNSET FLS	182	0	0	182	0	0	0
GARRISON SPS		14	0	0	14	0	0	0
	LATES	2,527	0	50,000	2,420	0	107	0
MINTER CREEK		5,352	0	5,274,500	0	0	5,352	0
	DONKEY	213	0	640,000	0	0	213	0
COULTER CREEK		1,617	0	1,533,900	200	0	1,417	0
GEORGE ADAMS (1)		2,031	0	2,101,200	0	0	2,031	0
	EARLY JOHN	3,615	0	2,787,700	359	0	3,256	0
MCKERNAN		11,207	0	11,210,000	0	0	11,207	0
HOOD CANAL		34,447	0	35,426,000	0	0	34,447	0
	SUBTOTAL	62,289	0	60,467,600	3,175	0	59,114	0
HUMPTULIPS		2	0	0	0	0	2	0
SIMPSON		140	0	65,000	0	0	140	0
NEMAH		5,969	0	6,400,800	0	0	5,969	0
NASELLE		2,930	0	3,074,000	7	0	2,923	0
	SUBTOTAL	9,041	0	9,539,800	7	0	9,034	0
GRAND TOTAL		71,330	0	70,007,400	3,182	0	68,148	0

1 Not included 500 upstream due to flood