

STATE OF WASHINGTON
DEPARTMENT OF FISHERIES
SALMON CULTURE DIVISION

1985 HATCHERY RACK ESCAPEMENT

PAM ABRAHAMSON

APRIL 1986

1985 ESCAPEMENT TOTALS

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS	UPSTRM
				ADULTS	JACKS	ADULTS	JACKS
SPS CHINOOK	8,160	5,548	5,974,600	0	0	8,160	5,548
SUM CHINOOK	2,229	789	4,633,600	307	128	1,922	661
SPS + SUM	10,389	6,337	10,608,200	307	128	10,082	6,209
FALL CHINOOK	77,706	38,250	132,811,680	2,515	15,237	75,191	23,013
COHO	174,633	74,973	121,045,100	37,656	8,982	136,977	65,991
CHUM	78,270	0	74,497,050	9,355	0	68,915	0
PINK	23,885	0	1,246,200	22,219	0	1,666	0
GRAND TOTAL	375,272	125,897	350,816,430	72,359	24,475	302,913	101,422

1985 SPRING & SUMMER CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS	UPSTRM
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	SPS	62	2	207,200	0	0	62	2
SKAGIT	SPS-CLARK	12	2	18,900	0	0	12	2
	SUM-CLARK	100	6	171,500	0	0	100	6
SKYKOMISH	SUM-SUN FLS	307	128	0	307	128	0	0
	SUM	355	22	732,100	0	0	355	22
MINTER CREEK	SPS	33	1	29,600	0	0	33	1
HUPP SPS	SPS-WHITE ¹	78	0	56,000	0	0	78	0
SUBTOTAL	SPS	185	5	311,700	0	0	185	5
	SUM	762	156	903,600	307	128	455	28
SOLEDUCK	SPS-DUNGEN	5	0	12,900	0	0	5	0
	SPS	270	57	546,700	0	0	270	57
	SUM	66	331	145,000	0	0	66	331
SUBTOTAL	SPS	275	57	559,600	0	0	275	57
	SUM	66	331	145,000	0	0	66	331
COWLITZ	SPS	6,806	4,644	3,844,000	0	0	6,806	4,644
KALAMA FALLS	SPS	96	11	200,000	0	0	96	11
SPEELYAI	SPS	408	30	961,000	0	0	408	30
KLICKITAT	SPS	53	161	83,500	0	0	53	161
LYON'S FERRY	SPS-TUCANNON	22	0	14,800	0	0	22	0
RINGOLD	SPS	0	570	0	0	0	0	570
PRIEST RAPIDS	SPS	315	70	0	0	0	315	70
WELLS DAM	SUM	1,401	302	3,585,000	0	0	1,401	302
SUBTOTAL	SPS	7,700	5,486	5,103,300	0	0	7,700	5,486
	SUM	1,401	302	3,585,000	0	0	1,401	302
TOTAL SPS		8,160	5,548	5,974,600	0	0	8,160	5,548
TOTAL SUM		2,229	789	4,633,600	307	128	1,922	661
GRAND TOTAL		10,389	6,337	10,608,200	307	128	10,082	6,209

¹ Fish transferred from Manchester

1985 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		761	211	1,614,180	0	0	761	211
SAMISH		15,307	594	22,112,300	133	0	15,174	594
SKAGIT		140	12	208,000	50	0	90	12
SKYKOMISH		581	83	1,179,700	0	0	581	83
ISSAQUAH		2,567	56	4,530,900	0	0	2,567	56
GREEN RIVER		4,250	1,197	10,263,700	0	0	4,250	1,197
PUYALLUP	CLARKS CR.	94	1	130,500	0	0	94	1
	VOIGHT	1,344	88	2,913,000	7	0	1,337	88
MCALLISTER		2,300	131	4,766,600	9	30	2,291	101
GARRISON SPS	CHAMBERS	449	238	1,152,000	8	111	441	127
DESCHUTES ¹		6,104	376	17,253,900	403	300	5,701	76
	PERICVAL	88	6	0	88	6	0	0
MINTER CREEK		497	139	921,500	0	0	497	139
	COULTER ²	2	0	0	0	0	2	0
COULTER CREEK		1,173	87	2,652,700	0	0	1,173	87
HUPP SPRINGS		1	0	0	0	0	1	0
GEORGE ADAMS		1,775	195	2,099,900	0	0	1,775	195
MCKERNAN		282	53	335,600	0	0	282	53
HOOD CANAL		2,176	243	5,619,200	0	0	2,176	243
ELWHA CHAN ³		1,150	91	2,340,000	0	0	1,150	91
SUBTOTAL		41,041	3,801	80,093,680	698	447	40,343	3,354
SOLEDUCK		16	0	55,500	0	0	16	0
HUMPTULIPS		1,065	122	1,624,100	0	0	1,065	122
	NATIVE ⁴	89	2	311,300	0	0	89	2
	HOQUIAM	3	0	7,200	0	0	3	0
WILLAPA		3,516	549	4,292,100	265	2	3,251	547
NEMAH		770	163	1,304,500	0	0	770	163
NASELLE		1,776	704	2,507,700	0	0	1,776	704
SUBTOTAL		7,235	1,540	10,102,400	265	2	6,970	1,538

¹ Includes number of fish hauled from Percival Cove to Park, 1927

² Thought to be Minter Creek Fall Chinook until tags were read

³ 540 fish gaffed

⁴ Fish spawned at Donkey Creek

GRAYS RIVER		226	131	290,000	0	0	226	131
	ELOKOMIN ⁵	350	0	795,000	0	0	350	0
ELOKOMIN ⁶		1,459	23	2,592,000	0	0	1,459	23
COWLITZ		6,434	3,348	9,979,000	0	0	6,434	3,348
LOWER KALAMA		1,291	396	2,096,000	0	0	1,291	396
KALAMA FALLS		3,445	254	8,488,200	41	193	3,404	61
	SNAKE-LV	373	2	573,700	0	0	373	2
	SNAKE-RV	579	0	826,600	0	0	579	0
LEWIS ⁷		20	41	0	3	0	17	41
SPEELYAI ⁸		414	322	790,000	0	0	414	322
WASHOUGAL ⁹		2,279	5,425	4,138,800	0	2,750	2,279	2,675
KLICKITAT ¹⁰		8	7	0	0	5	8	2
LYONS FERRY		595	4,160	1,414,300	0	0	595	4,160
PRIEST RAPIDS		11,957	18,800	10,632,000	1,508	11,840	10,449	6,960
	SUBTOTAL	29,430	32,909	42,615,600	1,552	14,788	27,878	18,121
	GRAND TOTAL	77,706	38,250	132,811,680	2,515	15,237	75,191	23,013

⁵ Fish shipped from Elokomín Hatchery

⁶ Does not include 350 fish shipped to Grays River

⁷ Shipped 11 adults and 2 jacks to Speelyai

⁸ 11 adults and 2 jacks hauled in from Lewis

⁹ Not included in total, 19 adults and 208 jacks handled by the Vancouver Lab

¹⁰ Jacks upstream due to shut down of main water supply

1985 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	KENDALL	13,288	8,378	13,154,900	0	0	13,288	8,378
	CAPILANO	165	0	82,200	0	0	165	0
SAMISH		3,381	212	0	3,381	212	0	0
SKAGIT	BAKER	39	4	20,000	0	0	39	4
	CLARK ¹	7,177	366	5,420,000	2,000	0	5,177	366
SKYKOMISH		11,377	83	12,833,200	486	0	10,891	83
	SUNS FLS	8,671	114	0	8,671	114	0	0
ISSAQUAH ²		8,284	8,992	5,453,400	2,250	0	6,034	8,992
GREEN RIVER		6,295	136	4,924,300	1,500	0	4,795	136
PUYALLUP ³		3,646	1,637	2,762,000	978	103	2,668	1,534
GARRISON SPS		289	7	0	287	7	2	0
DESCHUTES ⁴		55	0	0	55	0	0	0
MINTER CREEK		24,340	4,862	14,037,500	775	45	23,565	4,817
COULTER CREEK ⁵		100	0	0	100	0	0	0
GEORGE ADAMS		3,577	852	3,634,000	0	0	3,577	852
	JOHNS CREEK	224	0	0	224	0	0	0
MCKERNAN		19	37	0	0	0	19	37
HOOD CANAL		2,702	1,315	0	0	0	2,702	1,315
DUNGENESS		988	20	824,000	0	0	988	20
ELHWA	FALL	836	28	588,000	50	0	786	28
SUBTOTAL		95,453	27,043	63,733,500	20,757	481	74,696	26,562
SOLEDUCK	SUMMER	986	840	1,315,400	0	0	986	840
	FALL	285	240	360,000	0	0	285	240
	NATIVE	59	0	44,400	0	0	59	0
	DICKEY	13	0	20,000	0	0	13	0
	BOGACHIEL	72	5	52,000	0	0	72	5
HUMPTULIPS		1,920	410	2,275,500	0	0	1,920	410
SIMPSON ⁶		4,073	168	4,151,000	1,245	44	2,828	124
	BINGHAM	1,929	117	231,000	1,708	99	221	18
	LATE BING	327	8	60,000	193	4	134	4
SATSOP SPS		21	0	18,000	3	0	18	0
WILLAPA		5,504	369	1,379,900	3,692	72	1,812	297
NEMAH		6,771	1,137	4,402,100	1,630	150	5,141	987
NASELLE		12,621	10,188	8,419,000	1,210	2,080	11,411	8,108
SUBTOTAL		34,581	13,482	22,728,300	9,681	2,449	24,900	11,033

¹ High water caused an estimated 2,000 to go upstream² High water caused an estimated 2,250 to go upstream³ Not included, unknown number of fish upstream when picket in divider broke⁴ Not included, unknown number of fish jumped screen and moved upstream⁵ Fish not sexed⁶ Not included, estimated 2,500 fish upstream due to high water

GRAYS RIVER	TYPE-S	828	182	1,218,000	0	0	828	182
ELOKOMIN	TYPE-N	5,563	892	5,270,000	500	0	5,063	892
COWLITZ	TYPE-N	18,610	15,296	13,878,000	4,854	4,616	13,756	10,680
LOWER KALAMA	TYPE-S	961	6	1,373,000	82	0	879	6
	TYPE-N	123	85	80,000	26	12	97	73
KALAMA FALLS	TYPE-S	440	185	459,000	90	180	350	5
	TYPE-N	590	546	351,300	284	502	306	44
LEWIS RIVER	TYPE-S ⁷	293	64	263,600	0	53	293	11
	TYPE-N ⁸	9,236	13,623	5,081,400	506	109	8,730	13,514
SPEELYAI	TYPE-S ⁹	723	586	475,000	0	0	723	586
	TYPE-N ¹⁰	0	584	0	0	0	0	584
WASHOUGAL	TYPE-S	4,489	1,434	4,391,000	376	580	4,113	854
	TYPE-N ¹¹	2,743	965	1,743,000	500	0	2,243	965
SUBTOTAL		44,599	34,448	34,583,300	7,218	6,052	37,381	28,396
GRAND TOTAL		174,633	74,973	121,045,100	37,656	8,982	136,977	65,991

⁷ Not included, 369 adults and 108 jacks shipped to Speelyai

⁸ Not included, 222 jacks shipped to Speelyai

⁹ Includes 369 adults and 108 jacks shipped from Lewis

¹⁰ Includes 222 jacks shipped from Lewis

¹¹ Includes 500 adults over rack at high water

1985 CHUM ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		594	0	912,000	0	0	594	0
SAMISH		242	0	236,000	59	0	183	0
GARRISON SPS		33	0	0	33	0	0	0
	LATES	4,506	0	1,060,000	3,872	0	634	0
MINTER CREEK	EARLY	6,815	0	5,687,000	0	0	6,815	0
	LATES	73	0	0	0	0	73	0
	DONKEY	13	0	866,000	0	0	13	0
COULTER CREEK		1,962	0	1,578,800	0	0	1,962	0
GEORGE ADAMS		468	0	433,000	0	0	468	0
	EARLY JOHN	3,928	0	2,872,700	1,138	0	2,790	0
MCKERNAN		9,374	0	9,889,000	0	0	9,374	0
HOOD CANAL		35,388	0	37,385,800	2,000	0	33,388	0
	SUBTOTAL	63,396	0	60,920,300	7,102	0	56,294	0
HUMPTULIPS		440	0	344,550	0	0	440	0
SIMPSON ¹		4	0	0	0	0	4	0
SATSOP SPRING		846	0	584,000	0	0	846	0
NEMAH		9,460	0	8,900,200	1,410	0	8,050	0
NASELLE		4,124	0	3,748,000	843	0	3,281	0
	SUBTOTAL	14,874	0	13,576,750	2,253	0	12,621	0
GRAND TOTAL		78,270	0	74,497,050	9,355	0	68,915	0

¹ Fish handled by Habitat Management

1985 PINK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
SKAGIT		30	0	3,000	25	0	5	0
SKYKOMISH		192	0	205,000	0	0	192	0
	SUNS FLS	22,194	0	0	22,194	0	0	0
MINTER CREEK		13	0	6,200	0	0	13	0
HOOD CANAL		1,456	0	1,032,000	0	0	1,456	0
GRAND TOTAL		23,885	0	1,246,200	22,219	0	1,666	0