

STATE OF WASHINGTON
DEPARTMENT OF FISHERIES
SALMON CULTURE DIVISION

AMENDED FINAL
1987 HATCHERY RACK ESCAPEMENT

PAM ABRAHAMSON

JUNE 1988

1987 ESCAPEMENT TOTALS

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS	UPSTRM
				ADULTS	JACKS	ADULTS	JACKS
SPS CHINOOK	18,377	4,241	8,735,470	744	124	17,633	4,117
SUM CHINOOK	1,669	302	3,629,900	0	0	1,669	302
SPS + SUM	20,046	4,543	12,365,370	744	124	19,302	4,419
FALL CHINOOK	117,659	11,839	169,594,125	2,459	1,672	115,200	10,167
COHO	247,910	114,674	139,196,800	33,968	1,656	213,942	113,018
CHUM	64,721	0	59,341,900	6,287	0	58,434	0
PINK	29,825	0	8,370,800	19,766	0	10,059	0
GRAND TOTAL	480,161	131,056	388,868,995	63,224	3,452	416,937	127,604

1987 SPRING & SUMMER CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	SPS	284	361	111,150	0	0	284	361
SKAGIT	SPS-CLARK	26	6	69,100	0	0	26	6
	SUM-CLARK	119	11	338,800	0	0	119	11
SKYKOMISH	SPS-SUN FLS	84	15	0	84	15	0	0
	SUM	229	6	365,000	0	0	229	6
MINTER CREEK	SPS	145	54	177,270	0	0	145	54
HUPP SPS	SPS-WHITE	19	0	11,350	0	0	19	0
SUBTOTAL	SPS	558	436	368,870	84	15	474	421
	SUM	348	17	703,800	0	0	348	17
SOLEDUCK	SPS	1,162	0	886,300	0	0	1,162	0
	SUM	324	6	371,100	0	0	324	6
SUBTOTAL	SPS	1,162	0	886,300	0	0	1,162	0
	SUM	324	6	371,100	0	0	324	6
COWLITZ	SPS	13,679	3,491	4,339,000	0	0	13,679	3,491
KALAMA FALLS	SPS	1,034	124	1,036,500	252	49	782	75
LEWIS RIVER	SPS	22	63	36,000	0	60	22	3
SPEELYAI	SPS	199	11	365,000	0	0	199	11
KLICKITAT	SPS	1,163	116	1,507,200	300	0	863	116
LYON'S FERRY	SPS-TUCANNON	209	0	196,600	108	0	101	0
RINGOLD	SPS	351	0	0	0	0	351	0
WELLS DAM	SUM	997	279	2,555,000	0	0	997	279
SUBTOTAL	SPS	16,657	3,805	7,480,300	660	109	15,997	3,696
	SUM	997	279	2,555,000	0	0	997	279
TOTAL SPS		18,377	4,241	8,735,470	744	124	17,633	4,117
TOTAL SUM		1,669	302	3,629,900	0	0	1,669	302
GRAND TOTAL		20,046	4,543	12,365,370	744	124	19,302	4,419

1987 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	KENDALL	8,230	17,415	9,455,600	0	0	8,230	17,415
SAMISH ¹		6,733	712	0	6,733	712	0	0
SKAGIT	BAKER	31	0	18,000	0	0	31	0
	CLARK	28,393	884	10,367,300	0	0	28,393	884
SKYKOMISH		29,959	685	17,121,000	44	0	29,915	685
	SUNS FLS	13,401	157	0	13,401	157	0	0
ISSAQUAH		22,486	7,217	15,650,400	2,004	0	20,482	7,217
GREEN RIVER		12,030	275	8,759,000	3,000	0	9,030	275
PUYALLUP ²		12,928	7,736	4,326,000	2,000	0	10,928	7,736
GARRISON SPS		850	89	0	804	88	46	1
MINTER CREEK		28,650	9,538	10,988,000	937	0	27,713	9,538
COULTER CREEK		87	0	0	60	0	27	0
GEORGE ADAMS		2,381	622	1,805,000	0	0	2,381	622
	JOHNS CREEK	40	0	0	40	0	0	0
MCKERNAN		103	44	4,000	0	0	103	44
HOOD CANAL		4,512	3,634	329,600	0	0	4,512	3,634
DUNGENESS		812	50	778,600	0	0	812	50
	SUBTOTAL	171,626	49,058	79,602,500	29,023	957	142,603	48,101
SOLEDUCK	SUMMER	737	1,162	1,047,400	0	0	737	1,162
	FALL	541	811	965,900	0	0	541	811
	QUILEUTE	163	0	246,500	0	0	163	0
HUMPTULIPS		2,874	7,304	3,682,000	0	0	2,874	7,304
SIMPSON		8,529	1,581	10,536,000	236	1	8,293	1,580
	BINGHAM	1,833	116	0	1,553	102	280	14
	LATE BING	431	5	258,000	236	4	195	1
WILLAPA		4,552	1,485	2,452,000	800	50	3,752	1,435
NEMAH		6,050	346	5,127,100	1,154	0	4,896	346
NASELLE		12,375	3,929	7,255,000	355	0	12,020	3,929
	SUBTOTAL	38,085	16,739	31,569,900	4,334	157	33,751	16,582

¹Not included 475 Skagit stock out of Oak Harbor Pens

²Upstream count includes 1000 adults that jumped rack

1987 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
GRAYS RIVER	TYPE-S	376	1,012	455,000	0	0	376	1,012
ELOKOMIN	TYPE-N	1,267	3,477	1,374,600	0	0	1,267	3,477
COWLITZ	TYPE-N	18,716	19,178	12,996,000	0	0	18,716	19,178
LOWER KALAMA	TYPE-S	150	237	180,000	0	0	150	237
	TYPE-N	75	36	110,000	0	0	75	36
KALAMA FALLS	TYPE-S	294	450	521,800	0	437	294	13
	TYPE-N	1,150	423	1,201,200	65	105	1,085	318
LEWIS RIVER ³	TYPE-S	1,875	6,942	0	0	0	1,875	6,942
	TYPE-N	9,036	17,053	7,529,300	470	0	8,566	17,053
SPEELYAI ⁴	TYPE-S	1,513	12	1,255,000	0	0	1,513	12
WASHOUGAL	TYPE-S	551	18	356,500	0	0	551	18
	TYPE-N	3,196	39	2,045,000	76	0	3,120	39
SUBTOTAL		38,199	48,877	28,024,400	611	542	37,588	48,335
GRAND TOTAL		247,910	114,674	139,196,800	33,968	1,656	213,942	113,018

³Does not include 1513 adults and 12 jacks shipped to Speelyai

⁴Fish shipped in from Lewis River

1987 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS ADULTS	UPSTRM JACKS
					ADULTS	JACKS		
NOOKSACK		321	159	653,200	0	0	321	159
SAMISH		5,429	189	12,232,000	0	0	5,429	189
SKAGIT		307	15	711,400	0	0	307	15
SKYKOMISH		941	15	1,650,000	0	0	941	15
	SUNSET FLS	322	35	0	322	35	0	0
ISSAQUAH		2,314	0	3,473,000	0	0	2,314	0
GREEN RIVER		11,181	171	23,229,000	0	0	11,181	171
PUYALLUP	VOIGHT	759	24	2,050,000	0	0	759	24
MCALLISTER		1,986	246	2,411,900	0	0	1,986	246
GARRISON	CHAMBERS	664	284	1,706,000	10	200	654	84
DESCHUTES		6,273	611	10,854,000	240	466	6,033	145
MINTER CREEK		817	77	1,690,700	0	0	817	77
COULTER CREEK		1,192	47	2,113,100	0	0	1,192	47
GEORGE ADAMS		3,191	670	3,258,000	0	0	3,191	670
MCKERNAN		146	55	104,200	0	0	146	55
HOOD CANAL		3,042	1,067	5,690,700	0	0	3,042	1,067
ELWHA CHAN ¹		2,410	35	5,023,000	0	0	2,410	35
SUBTOTAL		41,295	3,700	76,850,200	572	701	40,723	2,999
SOLEDUCK		4	3	0	0	0	4	3
	QUILEUTE ²	165	0	422,100	0	0	165	0
HUMPTULIPS		1,810	25	2,669,000	0	0	1,810	25
	NATIVE	162	1	369,000	0	0	162	1
WILLAPA		9,751	940	6,263,000	100	0	9,651	940
NEMAH		2,934	120	2,443,500	0	0	2,934	120
NASELLE		8,978	449	12,117,000	163	26	8,815	423
SUBTOTAL		23,804	1,538	24,283,600	263	26	23,541	1,512

¹Does ~~not~~ include 1138 gaffed fish left on river bank

²Fish netted in Quileute River

1987 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
GRAYS RIVER		340	42	582,000	0	0	340	42
ELOKOMIN ³		4,811	19	5,971,825	0	0	4,811	19
COWLITZ		11,699	1,267	12,775,000	6	0	11,693	1,267
LOWER KALAMA		2,407	52	3,940,000	0	0	2,407	52
KALAMA FALLS ⁴		4,307	56	7,541,000	90	40	4,217	16
	SNAKE-LV	10	0	7,500	0	0	10	0
LEWIS		613	399	0	560	365	53	34
WASHOUGAL		5,704	104	7,484,000	850	38	4,854	66
KLICKITAT		41	2	78,000	0	0	41	2
LYONS FERRY		3,267	590	5,958,000	0	0	3,267	590
RINGOLD		1,190	2131	0	0	0	1,190	2,131
PRIEST RAPIDS		18,171	1,939	24,123,000	118	502	18,053	1,437
	SUBTOTAL	52,560	6,601	68,460,325	1,624	945	50,936	5,656
	GRAND TOTAL	117,659	11,839	169,594,125	2,459	1,672	115,200	10,167

³Includes 1,303,000 eggs spawned from the 879 fish shipped to Grays River

⁴Includes 184,000 eggs spawned from the 87 fish shipped to Grays River

1987 CHUM ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		31	0	47,300	0	0	31	0
SAMISH		704	0	799,200	0	0	704	0
SKAGIT		36	0	66,900	0	0	36	0
SKYKOMISH	SUNSET FLS	12	0	0	12	0	0	0
GARRISON SPS	LATES	2,780	0	651,000	2,348	0	432	0
MINTER CREEK		1,948	0	2,826,700	150	0	1,798	0
	DONKEY	345	0	773,000	0	0	345	0
COULTER CREEK		2,008	0	1,436,200	600	0	1,408	0
GEORGE ADAMS		3,584	0	2,607,000	0	0	3,584	0
	EARLY JOHN	3,820	0	2,437,000	1,590	0	2,230	0
MCKERNAN		8,052	0	7,905,000	0	0	8,052	0
HOOD CANAL		36,524	0	35,094,000	1,500	0	35,024	0
SUBTOTAL		59,844	0	54,643,300	6,200	0	53,644	0
SIMPSON		417	0	311,000	0	0	417	0
NEMAH		2,623	0	3,162,600	13	0	2,610	0
NASELLE		1,837	0	1,225,000	74	0	1,763	0
SUBTOTAL		4,877	0	4,698,600	87	0	4,790	0
GRAND TOTAL		64,721	0	59,341,900	6,287	0	58,434	0

1987 PINK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
SKAGIT		1,535	0	1,171,100	0	0	1,535	0
SKYKOMISH		2,900	0	231,100	2,482	0	418	0
	SUNS FLS	17,274	0	0	17,274	0	0	0
MINTER CREEK		3	0	0	0	0	3	0
HOOD CANAL		8,056	0	6,937,000	0	0	8,056	0
DUNGENESS		57	0	31,600	10	0	47	0
GRAND TOTAL		29,825	0	8,370,800	19,766	0	10,059	0