

STATE OF WASHINGTON  
DEPARTMENT OF FISHERIES  
SALMON CULTURE DIVISION

1984 HATCHERY RACK ESCAPEMENT

LOREE L. KIRBY

JUNE 5, 1985

1984 ESCAPEMENT TOTALS

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		OBS MINUS UPSTRM	
				ADULTS	JACKS	ADULTS	JACKS
SPS CHINOOK	16,819	1,609	11,431,900	201	4	16,618	1,605
SUM CHINOOK	2,244	441	4,482,550	170	123	2,074	318
SPS + SUM	19,063	2,050	15,914,450	371	127	18,692	1,923
FALL CHINOOK	78,557	17,355	117,710,500	2,328	6,061	76,229	11,294
COHO	322,928	45,877	147,701,600	61,253	5,659	261,675	40,218
CHUM	75,923	0	88,699,200	9,821	0	66,102	0
GRAND TOTAL	496,471	65,282	370,025,750	73,773	11,847	422,698	53,435

1984 SPRING & SUMMER CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		OBS MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	SPS	183	34	428,300	0	0	183	34
SKAGIT	SPS-BUCK	0	0	0	0	0	0	0
	SPS-CLARK	6	8	13,200	0	0	6	8
	SPS-SULFER	0	0	0	0	0	0	0
	SUM-CLARK	374	38	891,200	0	0	374	38
	SUM-SUN FLS	164	123	0	164	123	0	0
SKYKOMISH	SUM	429	5	789,250	0	0	429	5
MINTER CREEK	SPS	44	26	42,800	0	0	44	26
HUPP SPS	SPS-WHITE(1)	7	0	5,000	0	0	7	0
	SPS-WHITE(2)	73	0	27,200	0	0	73	0
SUBTOTAL	SPS(3)	313	68	516,500	0	0	313	68
	SUM	967	166	1,680,450	164	123	803	43
SOLEDUCK	SPS-DUNGEN	11	0	16,400	0	0	11	0
	SPS	180	0	357,200	29	0	151	0
	SUM	183	50	404,700	6	0	177	50
SUBTOTAL	SPS	191	0	373,600	29	0	162	0
	SUM	183	50	404,700	6	0	177	50
COWLITZ	SPS	13,645	1,334	7,490,000	0	0	13,645	1,334
KALAMA FALLS	SPS	803	4	1,123,800	172	4	631	0
SPEELYAI	SPS	451	1	855,000	0	0	451	1
KLICKITAT	SPS	517	201	1,073,000	0	0	517	201
RINGOLD	SPS	0	0	0	0	0	0	0
PRIEST RAPIDS	SPS	899	1	0	0	0	899	1
WELLS DAM	SUM	1,094	225	2,397,400	0	0	1,094	225
SUBTOTAL	SPS	16,315	1,541	10,541,800	172	4	16,143	1,537
	SUM	1,094	225	2,397,400	0	0	1,094	225
TOTAL SPS		16,819	1,609	11,431,900	201	4	16,618	1,605
TOTAL SUM		2,244	441	4,482,550	170	123	2,074	318
GRAND TOTAL		19,063	2,050	15,914,450	371	127	18,692	1,923

1. HAULED IN FROM MUD MOUNTAIN DAM.
2. HAULED IN FROM MANCHESTER, TOTAL INCLUDES FIVE FEMALE FALL CHINOOK EGGS.
3. NOT INCLUDED IN TOTALS, 7 DESCHUTE FEMALES, FROZEN 2-3 YEARS (TONY FLOOR'S DISPLAY).

1984 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		OBS MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		4,683	2,027	6,914,700	0	0	4,683	2,027
SAMISH		13,842	2,333	10,398,200	0	0	13,842	2,333
SKAGIT		1,196	55	2,548,100	0	0	1,196	55
SKYKOMISH		745	88	951,400	0	0	745	88
ISSAQUAH		3,093	135	4,774,200	0	0	3,093	135
GREEN RIVER		4,051	548	6,653,000	0	0	4,051	548
PUYALLUP (1)		775	38	1,436,000	0	0	775	38
MCALLISTER (2)		802	9	415,000	0	0	802	9
GARRISON SPS		969	520	1,565,000	0	305	969	215
DESCHUTES (3)		10,281	491	17,412,700	1,624	384	8,657	107
	PERCI (4)	41	0	0	41	0	0	0
MINTER CREEK		345	74	511,600	0	0	345	74
COULTER CREEK		661	90	931,300	0	0	661	90
HUPP SPS (5)		5	0	0	0	0	5	0
GEORGE ADAMS (6)		1,327	1,250	1,797,400	0	0	1,327	1,250
MCKERNAN		129	275	68,600	0	0	129	275
HOOD CANAL		3,316	293	3,326,200	0	0	3,316	293
ELWHA CHAN (7)		1,771	67	3,642,800	0	0	1,771	67
SUBTOTAL		48,032	8,293	63,346,200	1,665	689	46,367	7,604
SOLEDUCK		74	0	282,000	0	0	74	0
HUMPTULIPS		841	16	1,591,500	0	0	841	16
	NATIVE HUMP	90	3	279,800	0	0	90	3
WILLAPA		3,800	469	6,076,200	48	3	3,752	466
NEMAH		1,440	41	2,110,800	10	0	1,430	41
NASELLE		1,878	539	2,908,000	2	0	1,876	539
	SEA RES	367	9	0	0	0	367	9
SUBTOTAL		8,490	1,077	13,248,300	60	3	8,430	1,074
GRAYS RIVER		169	68	415,000	0	0	169	68
	ELOKOMIN	0	0	0	0	0	0	0
ELOKOMIN		1,708	6	1,875,300	0	0	1,708	6
COWLITZ		5,117	586	8,980,000	0	0	5,117	586
LOWER KALAMA		1,347	31	2,930,000	0	0	1,347	31
	SNAKE (8)	0	0	0	0	0	0	0
	SNA/PRI (9)	1	0	0	0	0	1	0
KALAMA FALLS		3,894	13	9,247,000	105	1	3,789	12
	SNAKE-LV	220	0	243,300	0	0	220	0
	SNAKE-RV	10	0	0	0	0	10	0
	SNA/PRI	254	0	451,000	0	0	254	0
LEWIS RIV (10)		5	6	0	2	0	3	6
SPEELYAI (11)		130	213	255,000	0	0	130	213

WASHOUGAL	1,957	159	4,499,000	0	0	1,957	159
KLICKITAT	137	9	159,600	0	0	137	9
LYONS FERRY	698	48	1,567,800	0	0	698	48
RINGOLD	0	0	0	0	0	0	0
PRIEST RAP (12)	6,388	6,846	10,493,000	496	5,368	5,892	1,478
VOLUNTEER	0	0	0	0	0	0	0
SUBTOTAL	22,035	7,985	41,116,000	603	5,369	21,432	2,616
GRAND TOTAL	78,557	17,355	117,710,500	2,328	6,061	76,229	11,294

1. NOT INCLUDED IN TOTALS, 32 MALES FROM CLARKS CREEK TO PUYALLUP INDIAN HATCHERY.
2. INCLUDED IN TOTALS, LOST 38 ADULTS TO POACHERS.
3. INCLUDED IN TOTALS HAULED FROM COVE TO PARK, 2990 FEMALES.
4. DUE TO HIGH WATER, AN ESTIMATED 164 TO 205 ADDITIONAL FISH ESCAPED ABOVE RACKS.
5. FIVE FEMALES WERE SPAWNED, AND MIXED IN WITH SPRING CHINOOK EGGS.
6. INCLUDED IN TOTALS, LOST 8 ADULTS AND 3 JACKS TO POACHERS.
7. INCLUDED IN TOTALS, 391 GAFFED ADULTS.
8. HAULED 34 ADULTS TO KALAMA FALLS, LV CLIPPED.
9. HAULED 61 ADULTS TO KALAMA FALLS, RV CLIPPED.
10. SHIPPED TO SPEELYAI 11 ADULTS AND 3 JACKS. TUCANNONS PUT UPSTREAM, RV=1 AND LV=1.
11. INCLUDED IN TOTALS SHIPPED FROM LEWIS RIVER, 11 ADULTS AND 3 JACKS.
12. INCLUDED IN TOTALS, 45 ADULTS KILLED/DONATED TO WANAPUM AND YAKIMA INDIANS.

1984 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		OBS MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		9,479	8,398	4,989,400	0	0	9,479	8,398
SAMISH (1)		7,741	347	0	7,741	347	0	0
SKAGIT	BAKER	445	11	427,200	0	0	445	11
	CLARK	41,046	850	8,600,900	700	0	40,346	850
SKYKOMISH		25,895	174	14,926,500	0	0	25,895	174
	SUNS FLS	4,821	15	0	4,821	15	0	0
ISSAQUAH (2)		7,653	8,672	5,064,100	500	0	7,153	8,672
GREEN RIVER		16,261	124	6,936,000	5,500	0	10,761	124
PUYALLUP		15,983	1,275	9,651,700	700	50	15,283	1,225
GARRISON SPS		2,953	603	0	1,622	413	1,331	190
DESCHUTES (3)		3	0	0	3	0	0	0
MINTER CREEK		23,294	7,493	8,121,800	931	107	22,363	7,386
COULTER CR (4)		200	0	0	200	0	0	0
GEORGE AD (5)		13,643	2,105	5,015,600	0	0	13,643	2,105
	JOHN'S CR	202	52	0	202	52	0	0
MCKERNAN		523	55	0	0	0	523	55
HOOD CANAL		7,282	898	781,200	0	0	7,282	898
DUNGENESS		1,050	151	803,000	0	0	1,050	151
ELWHA	FALL	278	34	150,000	25	0	253	34
SUBTOTAL		178,752	31,257	65,467,400	22,945	984	155,807	30,273
SOLEDUCK	SUMMER (6)	4,519	83	3,482,500	0	0	4,519	83
	FALL	7,266	160	2,674,200	0	0	7,266	160
	NATIVE DI	12	2	7,800	0	0	12	2
	NATIVE BO	21	0	0	0	0	21	0
HUMPTULIPS		12,451	32	8,271,000	0	0	12,451	32
SIMPSON		14,494	138	10,457,000	5,791	47	8,703	91
	LATE	44	2	30,000	0	0	44	2
	BINGHAM	8,191	92	324,000	6,230	77	1,961	15
	LATE BING	622	1	310,000	373	1	249	0
SATSOP SPS		787	5	0	0	0	787	5
SKOOKUMCHUCK		6	0	0	0	0	6	0
WILLAPA		10,097	280	1,458,400	7,935	3	2,162	277
NEMAH		8,950	583	4,775,600	3,557	190	5,393	393
NASELLE		14,372	2,257	7,248,000	3,968	397	10,404	1,860
SUBTOTAL		81,832	3,635	39,038,500	27,854	715	53,978	2,920
GRAYS RIVER	TYPE-S	2,684	89	3,705,000	0	0	2,684	89
ELOKOMIN	TYPE-N	3,094	1,234	2,212,000	0	0	3,094	1,234
COWLITZ	TYPE-N	26,149	4,754	17,426,000	4,396	2,031	21,753	2,723
LOWER KALAMA	TYPE-S	0	68	0	0	0	0	68

	TYPE-N	168	319	5,000	133	48	35	271
KALAMA FALLS	TYPE-S	185	529	396,700	2	520	183	9
	TYPE-N	1,312	316	86,200	1,119	306	193	10
LEWIS RIVER	TYPE-S (7)	2,792	43	1,893,300	125	5	2,667	38
	TYPE-N	9,712	1,983	6,362,500	852	20	8,860	1,963
SPEELYAI	TYPE-S (8)	2,532	64	1,937,000	0	0	2,532	64
WASHOUGAL	TYPE-S	7,341	481	6,399,000	689	136	6,652	345
	TYPE-N	6,375	1,065	2,773,000	3,138	894	3,237	171
KLICKITAT	TYPE-N	0	40	0	0	0	0	40

SUBTOTAL                                    62,344   10,985   43,195,700   10,454   3,960   51,890   7,025

GRAND TOTAL                                    322,928   45,877   147,701,600   61,253   5,659   261,675   40,218

1. NOT INCLUDED IN TOTALS, 256 ADULTS AND 17 JACKS HANDLED BY MARITIME HERITAGE. NOT INCLUDED IN TOTALS, 645 ADULTS AND 320 JACKS HANDLED BY ORCAS ISLAND.
2. DUE TO HIGH WATER APPROXIMATELY 1500 FISH PASSED UPSTREAM.
3. DUE TO HIGH WATER AN ESTIMATED 40 TO 50 FISH WENT UPSTREAM. NOT INCLUDED IN TOTALS, 435 ADULTS AND 25 JACKS, HANDLED BY HARVEST MANAGEMENT. NOT INCLUDED IN TOTALS, 9 ADULTS, FROZEN FOR 2-3 YEARS (TONY FLOOR'S DISPLAY).
4. UNSEXED FISH PUT UPSTREAM.
5. ESTIMATED NUMBER OF JACKS RECOUNTED, DUE TO HIGH WATER AND PASSING THROUGH AGAIN.
6. INCLUDED IN TOTALS, 521 ADULTS TRANSFERRED UPRIVER BY OLYMPIC NATIONAL PARK SERVICE.
7. SHIPPED TO SPEELYAI, 357 ADULTS.
8. INCLUDED IN TOTALS, 357 ADULTS FROM LEWIS RIVER.

1984 CHUM ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		OBS MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		66	0	36,900	0	0	66	0
SAMISH (1)		1,492	0	394,000	1,266	0	226	0
SKAGIT		0	0	0	0	0	0	0
SKYKOMISH		146	0	115,000	0	0	146	0
GARRISON SPS		0	0	0	0	0	0	0
	LATES	6,910	0	1,203,200	6,290	0	620	0
DESCH(ALLISON)		0	0	0	0	0	0	0
MINTER CREEK	EARLY	3,518	0	5,084,500	400	0	3,118	0
	LATES	242	0	0	0	0	242	0
	DONK (2)	172	0	713,400	0	0	172	0
COULTER CR (3)		4,306	0	2,538,200	1,843	0	2,463	0
GEORGE ADAMS		101	0	115,600	0	0	101	0
	EARLY JOHNS	1,234	0	1,372,100	0	0	1,234	0
	LATE JOHNS	0	0	0	0	0	0	0
MCKERNAN		12,759	0	14,702,600	0	0	12,759	0
HOOD CANAL		36,889	0	54,012,400	0	0	36,889	0
SUBTOTAL (4)		67,835	0	80,287,900	9,799	0	58,036	0
HUMPTULIPS		204	0	284,400	0	0	204	0
SIMPSON		0	0	0	0	0	0	0
SATSOP SPRING		842	0	701,000	0	0	842	0
NEMAH		5,278	0	6,013,900	21	0	5,257	0
NASELLE		949	0	1,412,000	1	0	948	0
	ELLSWOR (5)	815	0	0	0	0	815	0
SUBTOTAL		8,088	0	8,411,300	22	0	8,066	0
GRAND TOTAL		75,923	0	88,699,200	9,821	0	66,102	0

1. NOT INCLUDED IN TOTALS, 42 ADULTS HANDLED BY MARITIME HERITAGE.
2. FISH SPAWNED AT DONKEY CREEK.
3. DUE TO AN OPEN LADDER AN ESTIMATED 1000 FISH WENT UPSTREAM.
4. NOT INCLUDED IN TOTALS, HABITAT MANAGEMENT REPORTS; 2,038 ADULTS AT KENNEDY CREEK, AND 434 ADULTS AT SHERWOOD CREEK.
5. HABITAT MANAGEMENT REPORT.



1. NOT INCLUDED IN TOTALS, 256 ADULTS AND 17 JACKS HANDLED BY MARITIME HERITAGE. NOT INCLUDED IN TOTALS, 645 ADULTS AND 320 JACKS HANDLED BY ORCAS ISLAND.
2. DUE TO HIGH WATER APPROXIMATELY 1500 FISH PASSED UPSTREAM.
3. DUE TO HIGH WATER AN ESTIMATED 40 TO 50 FISH WENT UPSTREAM. NOT INCLUDED IN TOTALS, 435 ADULTS AND 25 JACKS, HANDLED BY HARVEST MANAGEMENT. NOT INCLUDED IN TOTALS, 9 ADULTS, FROZEN FOR 2-3 YEARS (TONY FLOOR'S DISPLAY).
4. UNSEXED FISH PUT UPSTREAM.
5. ESTIMATED NUMBER OF JACKS RECOUNTED, DUE TO HIGH WATER AND PASSING THROUGH AGAIN.
6. INCLUDED IN TOTALS, 521 ADULTS TRANSFERED UPRIVER BY OLYMPIC NATIONAL PARK SERVICE.
7. SHIPPED TO SPEELYAI, 357 ADULTS.
8. INCLUDED IN TOTALS, 357 ADULTS FROM LEWIS RIVER.

	TYPE-N	168	319	5,000	133	48	35	271
KALAMA FALLS	TYPE-S	185	529	396,700	2	520	183	9
	TYPE-N	1,312	316	86,200	1,119	306	193	10
LEWIS RIVER	TYPE-S (7)	2,792	43	1,893,300	125	5	2,667	38
	TYPE-N	9,712	1,983	6,362,500	852	20	8,860	1,963
SPEELYAI	TYPE-S (8)	2,532	64	1,937,000	0	0	2,532	64
WASHOUGAL	TYPE-S	7,341	481	6,399,000	689	136	6,652	345
	TYPE-N	6,375	1,065	2,773,000	3,138	894	3,237	171
KLICKITAT	TYPE-N	0	40	0	0	0	0	40
SUBTOTAL		62,344	10,985	43,195,700	10,454	3,960	51,890	7,025
GRAND TOTAL		322,928	45,877	147,701,600	61,253	5,659	261,675	40,218