

WASHINGTON DEPARTMENT OF FISHERIES

SALMON CULTURE DIVISION

1982 BROOD

HATCHERY RACK ESCAPEMENTS

SPRING CHINOOK

SUMMER CHINOOK

FALL CHINOOK

COHO

CHUM

Pamela Castoldi

April 26, 1983

1982 BROOD ESCAPEMENT

GRAND TOTAL

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESCAPEMENT MINUS UPSTRM	
				ADULTS	JACKS	ADULTS	JACKS
SPRING CHINOOK	17,947	5,730	13,352,600	3,083	244	14,864	5,486
SUMMER CHINOOK	2,426	781	5,220,300	334	741	2,242	40
FALL CHINOOK	57,449	15,220	106,415,800	1,000	5,882	56,654	9,338
COHO	267,279	64,843	106,948,000	62,668	4,401	207,591	60,442
CHUM	57,696		70,595,900	8,073		49,653	
SOCKEYE	858			800		58	
GRAND TOTAL	403,655	86,574	302,532,600	75,958	11,268	331,062	75,306

1982 ESCAPEMENT REPORT

SPRING & SUMMER CHINOOK

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESCAPE MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	SPS-WILD	7 ¹		11,200			7	0
SKAGIT	SPS-CLARK	34		74,200			34	0
	SPS-BUCK	34		40,400			34	0
	SUM	510		807,700			510	0
SKYKOMISH	SUM-SUN FLS	184	74		184	74	0	0
	SUM-WALLACE	937	25	2,437,600	150 ²		937	25
HUPP SPRINGS	SPS-WHT RIV	38		28,000			38	0
HOOD CANAL	SPS	14 ³		23,000			14	0
TOTAL SPRING CHINOOK		127	0	176,800	0	0	127	0
TOTAL SUMMER CHINOOK		1,631	99	3,245,300	334	74	1,447	25
TOTAL NORTH	SPS & SUM	1,758	99	3,422,100	334	74	1,574	25
SATSOP SPRINGS	SPS-WYNOCHE	32 ⁴		92,000			32	0
SOLEDUCK	SPS	28	12	48,000		12	28	0
	SUM	95	13	185,000			95	13
TOTAL SPRING CHINOOK		60	12	140,000	0	12	60	0
TOTAL SUMMER CHINOOK		95	13	185,000	0	0	95	13
TOTAL COAST	SPS & SUM	155	25	325,000	0	12	155	13
COWLITZ	SPS	12,230	4,222 ⁵	8,655,000			12,230	4,222
KALAMA FALLS	SPS	3,496	232	390,200	3,083	232	413	0
KLICKITAT	SPS	1,350	261	3,088,600			1,350	261
SPEELYAI	SPS	488 ⁶	4 ⁶	902,000			488	4
WELLS DAM	SUM	700 ⁷	669	1,790,000		667	700	2
RINGOLD	SPS	196	999				196	999
TOTAL SPRING CHINOOK		17,760	5,718	13,035,800	3,083	232	14,677	5,486
TOTAL SUMMER CHINOOK		700	669	1,790,000	0	667	700	2
TOTAL COL.RIV.	SPS & SUM	18,264	5,388	14,825,800	3,083	899	15,181	4,489
GRAND TOTAL	SPRINGS	17,947	5,730	13,352,600	3,083	244	14,864	5,486
GRAND TOTAL	SUMMERS	2,426	781	5,220,300	334	741	2,242	40
GRAND TOTAL	SPRS & SUMRS	20,373	6,511	18,572,900	3,417	985	17,106	5,526

1. ADULTS NETTED AND SPAWNED FROM RIVER(2 F & 5 M).
2. 150 ADULTS ESTIMATED ESCAPED OVER RACK DURING HIGH WATER, NOT ADDED INTO ESCAPEMENT.
3. ADULTS HAULED IN.
4. ADULTS HAULED IN.
5. 742 WERE MINI JACKS.
6. HAULED IN FROM MERWIN DAM.
7. 72 ADULTS ARE FROM SEPARATOR.

1982 ESCAPEMENT REPORT

FALL CHINOOK

HATCHERY NAME	STOCK	ADULTS ¹	JACKS	EGGS TAKEN	UPSTREAM		ESCAPE MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		148	65	288,000			148	65
SAMISH		14,796		25,361,100			14,796	0
SKAGIT	CLARK	335	23	511,800			335	23
SKYKOMISH		1,218	53	2,372,000			1,218	53
ISSAQUAH		5,403	552	7,667,800	40		5,363	552
GREEN RIVER		3,824	130	6,441,500			3,824	130
PUYALLUP		1,096	8	2,297,400			1,096	8
MINTER CREEK		135	241	121,900			135	241
COULTER CREEK		439	17	374,500			439	17
DESCHUTES		3,588	730	8,097,000	585	588	3,003	142
	PERCIVAL COVE	804 ^L	11		34	11	770 ^L	0
GARRISON SPRINGS		425	4,175	305,000		57	425	4,118
GEORGE ADAMS		59	36	81,200			59	36
	JOHN'S CREEK	4	4		4	4	0	0
MCKERNAN		16	2	32,700			16	2
HOOD CANAL		4,843	79	15,567,800			4,843	79
ELWHA CHANNEL		1,709	33	4,363,000			1,709	33
TOTAL NORTH		38,842	6,159	73,882,700	663	660	38,179	5,499
SOLEDUCK		78	29	205,000	3		75	29
HUMPTULIPS		381	125	1,077,300			381	125
WILLAPA		2,467	526	4,457,800	220 ²		2,452	526
NASELLE		161	377	212,100	7	10	154	367
NEMAH		940	153	2,114,000	10		930	153
TOTAL COAST		4,027	1,210	8,066,200	240	10	3,992	1,200
GRAYS RIVER		675	26	1,104,700			675	26
ELOKOMIN		2,059	3	2,908,000			2,059	3
COWLITZ		4,284	1,130	8,037,000			4,284	1,130
LOWER KALAMA		760	60	836,700			760	60
	TUCANNON	41	743				41	743
KALAMA FALLS		812	79	966,600	21	79	791	0
	TUCANNON	75 ²	233	200,000			75	233
LEWIS RIVER		205 ⁴	178 ⁴	205,000	16		189	178
WASHOUGAL		2,565	243	4,616,000	60	31	2,505	212
KLICKITAT		314	23	487,500			314	23
RINGOLD		177	14	174,000			177	14
PRIEST RAPIDS		2,513	4,858	4,906,400		4,841	2,513	17
	VOLUNTEER	100	261	25,000		261	100	0
TOTAL COL.RIV.		14,580	7,851	24,466,900	97	5,212	14,483	2,639
	GRAND TOTAL	57,449	15,220	106,415,800	1,000	5,882	56,654	9,338

1. 770 FEMALES WERE HAULED TO DESCHUTES RIVER TRAP AND SPAWNED.
2. 205 WERE EST. ESCAPEMENT OVER RACK IN HIGH WATER AND ARE NOT ADDED IN TO ESCAPEMENT.
3. ONE FEMALE IS A NO MARK, BUT WAS SPAWNED WITH TUCANNON STOCK.
4. HAULED IN FROM MERWIN DAM.

COHO

HATCHERY NAME	STOCK	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESCAPE MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		4,653	3,374	3,492,700			4,653	3,374
	CAPILANO	380		315,800			380	0
SAMISH		2,862			2,862		0	0
SKAGIT	BAKER	71		35,000			71	0
	CLARK	4,666	158	7,611,000			4,666	158
SKYKOMISH		3,289	158	5,405,000			3,289	158
	SUNS.FALLS	10,669	67		6,676	28	3,993	39
ISSAQUAH		20,740	5,974	2,528,800	1,875		18,865	5,974
GREEN RIVER		10,738	543	3,356,500	6,000		4,738	543
PUYALLUP		9,228	1,965	5,020,000	3,656		5,572	1,965
MINTER CREEK		25,047	5,900	12,246,200	1,600		23,447	5,900
COULTER CREEK		499	49		481	47	18	2
DESCHUTES		8,885	482		7,746	397	1,139	85
	PERCIVAL COVE	81	7		81	7	0	0
GARRISON SPRINGS		7,384	5,110		1,309	539	6,075	4,571
GEORGE ADAMS		5,155	357	3,445,400			5,155	357
	JOHN'S CREEK	4,049	1,253		2,845	1,251	1,204	2
MCKERNAN		172	14				172	14
HOOD CANAL		244	51				244	51
ELWHA CHANNEL		3,557	643	635,000			3,557	643
TOTAL NORTH		122,369	26,105	44,091,400	35,131	2,269	87,238	23,836
SOLEDUCK	SUMMERS	3,667	655	1,331,000			3,667	655
	FALLS	2,140	113	1,659,000	610 ^L	42 ^L	1,530	71
HUMPTULIPS		6,028	72	5,500,500	752		5,276	72
SIMPSON		4,480	62	5,912,000	500		3,980	62
	BINGHAM	1,552	99		1,548	78	4	21
	LATE SATSOP	193		276,500	27		166	0
	LATE BINGHAM	383	1	108,500	331		52	1
WILLAPA		4,241	443	2,375,500	3,764 ^L		3,457	443
NASELLE		22,629	3,304	12,680,000	1,937	146	20,692	3,158
NEMAH		6,544	1,003	2,130,600	4,264		2,280	1,003
SATSOP SPRINGS		905			100		805	0
TOTAL COAST		52,762	5,752	31,973,600	13,833	266	41,909	5,486
GRAYS RIVER	TYPE-S	4,069	1,744	2,880,500	417	124	3,652	1,620
ELOKOMIN	TYPE-S	11,909			5,000		6,909	0
	TYPE-N	1,850	599	1,958,300			1,850	599
COWLITZ	TYPE-N	22,528	16,577	12,671,000		24 ^L	22,528	16,553
LOWER KALAMA	TYPE-S	74	108	42,000			74	108
	TYPE-N	1,412	474	753,400			1,412	474
KALAMA FALLS	TYPE-S	693	735	34,000	670	735	23	0
	TYPE-N	4,228	936	1,465,000	2,865	925	1,363	11
LEWIS RIVER	TYPE-S	11,362 ^L	785 ^L	422,000			11,362	785
	TYPE-N	10,803 ^L	9,019 ^L	3,560,000	1,607		9,196	9,019
SPEELYAI	TYPE-S	1,347 ^L	243 ^L	1,178,000			1,347	243
WASHOUGAL	TYPE-S	16,956	1,079	2,850,000	2,945	58	14,011	1,021
	TYPE-N	4,917	687	3,068,800	200		4,717	687
TOTAL COL.RIV.		92,148	32,986	30,883,000	13,704	1,866	78,444	31,120
	GRAND TOTAL	267,279	64,843	106,948,000	62,668	4,401	207,591	60,442

- 535 ADULTS AND 32 JACKS WERE HAULED OUT TO LOCAL AREA STREAMS BY HARVEST MANAGEMENT.
- 784 WERE RELEASED BY HATCHERY CREW UPSTREAM AND INCLUDED IN ESCAPEMENT.
ESTIMATED 2980 WENT OVER IN HIGH WATER AND ARE NOT INCLUDED IN ESCAPEMENT.
- 24 JACKS WERE HAULED DOWNSTREAM.
- 7500 ADULTS AND 518 JACKS WERE HAULED IN FROM MERWIN DAM.
- 1646 ADULTS AND 2061 JACKS WERE HAULED IN FROM MERWIN DAM.
- HAULED IN FROM MERWIN DAM.

1982 ESCAPEMENT REPORT

CHUM					
HATCHERY NAME	STOCK NAME	ADULTS	EGGS TAKEN	UPSTREAM ADULTS	ESCAPMT MINUS UPSTREAM
NOOKSACK		508	746,700		508
SAMISH		2,900	803,300	2,608	292
SKAGIT		638	858,900		638
PUYALLUP		155	28,000	131	24
MINTER CREEK		5,919	8,530,200	1,000 ¹	4,919
COULTER CREEK		614	778,900		614
GARRISON SPRINGS		428	666,000	109	319
	LATES	5,267	418,700	3,215	2,052
GEORGE ADAMS		175	140,000		175
	EARLY JOHN'S	2,719	4,253,200		2,719
	LATE JOHN'S	421	647,300	19	402
MCKERNAN		2,587	3,836,400	30 ²	2,587
HOOD CANAL		22,870	33,887,100	714	22,156
DESCHUTES	ALLISON	1,484	2,046,000		1,484
TOTAL NORTH		46,685	57,640,700	7,826	38,889
HUMPTULIPS		1,487	1,702,500		1,487
SIMPSON		638	625,800		638
	BINGHAM	192		192	0
SATSOP SPRINGS		750	813,000		750
NASELLE		2		2	0
NEMAH		7,942	9,813,900	53	7,889
TOTAL COAST		11,011	12,955,200	247	10,764
	GRAND TOTAL	57,696	70,595,900	8,073	49,653

SOCKEYE

ISSAQUAH	858	800 ³	58
----------	-----	------------------	----

1. 800 WERE ESTIMATED OVER THE RACK IN HIGH WATER AND WERE ADDED INTO ESCAPEMENT.
2. AN ESTIMATED 30 WENT UPSTREAM DURING FLOODING AND ARE NOT ADDED INTO ESCAPEMENT.
3. 715 WERE HAULED TO THE EAST FORK ISSAQUAH CREEK.