

STATE OF WASHINGTON
DEPARTMENT OF FISHERIES
SALMON CULTURE DIVISION

FINAL

1989 HATCHERY RACK ESCAPEMENT

NANCY BARBUTO

MAY 1990

1989 ESCAPEMENT TOTALS

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS	UPSTRM
				ADULTS	JACKS	ADULTS	JACKS
SPRING CHINOOK	12,976	2,362	14,837,000	88	2	12,888	2,360
SUMMER CHINOOK	3,184	251	5,960,500	278	18	2,906	233
SPRINGS + SUMMERS	16,160	2,613	20,797,500	366	20	15,794	2,593
FALL CHINOOK	120,044	10,052	156,776,700	3,503	1,032	116,541	9,020
COHO	294,365	43,013	161,858,050	58,864	7,523	235,501	35,490
CHUM	58,198	0	48,037,600	8,162	0	50,036	0
PINK	23,675	0	1,066,000	21,970	0	1,705	0
SOCKEYE	309	3	130,000	54	3	255	0
GRAND TOTAL	512,751	55,681	388,665,850	92,919	8,578	419,832	47,103

1989 SPRING & SUMMER CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
GLENWOOD SPR	SUMMERS	3	0	9,000	0	0	3	0
NOOKSACK	SPRINGS	470	45	1,342,600	0	0	470	45
SKAGIT	SPRINGS-CLARK	303	15	474,000	0	0	303	15
	SUMMERS-CLARK	198	80	459,000	0	0	198	80
SKYKOMISH	SUMMERS	727	25	1,192,000	0	0	727	25
	SUMMERS-SUNSET	278	18	0	278	18	0	0
HUPP SPS	SPRINGS-MINTER	355	2	652,900	0	0	355	2
	(1) SPRINGS-MNCHST	86	0	88,800	0	0	86	0
SUBTOTAL	SPRINGS	1,214	62	2,558,300	0	0	1,214	62
	SUMMERS	1,206	123	1,660,000	278	18	928	105
SOLEDUCK	SPRINGS	1,135	18	1,158,000	0	0	1,135	18
	SPRINGS-DUNGE	15	0	44,000	0	0	15	0
SUBTOTAL	SPRINGS	1,150	18	1,202,000	0	0	1,150	18
	SUMMERS	0	0	0	0	0	0	0
COWLITZ	SPRINGS	5,658	1,573	4,599,000	0	0	5,658	1,573
KALAMA FALLS	SPRINGS	701	68	863,700	0	0	701	68
LEWIS RIVER (2)	SPRINGS	855	33	0	0	0	855	33
SPEELYAI	SPRINGS	0	0	1,620,000	0	0	0	0
KLUCKITAT	SPRINGS	606	530	950,000	0	0	606	530
	SPRINGS-WIND R	2,559	0	2,858,000	0	0	2,559	0
LYON'S FERRY	SPRINGS-TUCANN	180	78	148,000	88	2	92	76
EASTBANK	(3) SPRNGS-CHIWAWA	53	0	38,000	0	0	53	0
	(4) SUMS-WENATCHEE	336	10	728,500	0	0	336	10
WELLS DAM	SUMMERS	1,642	118	3,572,000	0	0	1,642	118
SUBTOTAL	SPRINGS	10,612	2,282	11,076,700	88	2	10,524	2,280
	SUMMERS	1,978	128	4,300,500	0	0	1,978	128
TOTAL SPRINGS		12,976	2,362	14,837,000	88	2	12,888	2,360
TOTAL SUMMERS		3,184	251	5,960,500	278	18	2,906	233
GRAND TOTAL		16,160	2,613	20,797,500	366	20	15,794	2,593

- (1) Shipped in from NMFS-Manchester Pens
- (2) 740 adults shipped to and spawned at Speelyai
22 jacks shipped to Speelyai
- (3) All gaffed in Chiwawa River
- (4) Trapped at Dryden Dam and hauled to Eastbank

1989 FALL CHINOOK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
GLENWOOD SPRNGS		460	33	477,000	0	0	460	33
NOOKSACK		1,180	102	1,318,700	0	0	1,180	102
SAMISH		16,446	276	17,460,700	63	3	16,383	273
SKAGIT	CLARK CRK	216	106	386,100	0	0	216	106
SKYKOMISH	MAY-WALL	734	25	688,000	0	0	734	25
	SUNSET FLS	203	8	0	203	8	0	0
ISSAQUAH		3,473	31	3,655,000	0	0	3,473	31
GREEN RIVER		13,178	498	21,236,000	0	0	13,178	498
PUYALLUP	VOIGHT	762	4	1,545,000	0	0	762	4
MCALLISTER		1,500	102	2,464,200	6	0	1,494	102
GARRISON	CHAMBERS	491	1,435	857,700	30	375	461	1,060
DESCHUTES		16,477	1,031	19,137,900	970	587	15,507	444
	PERCIVAL(1)	71	1	0	71	1	0	0
MINTER CREEK		2,132	90	1,692,000	0	0	2,132	90
COULTER CREEK		1,306	59	1,593,000	18	0	1,288	59
GEORGE ADAMS		2,523	2,319	5,103,200	0	0	2,523	2,319
	JOHNS CR	13	39	0	7	2	6	37
MCKERNAN		33	25	37,000	0	0	33	25
HOOD CANAL		3,538	902	8,404,000	0	0	3,538	902
ELWHA CHAN		2,025	4	5,193,000 (2)	20	0	2,025	4
SUBTOTAL		66,761	7,090	91,248,500	1,388	976	65,373	6,114
SOLEDUCK		108	0	428,500 (3)	0	0	108	0
HUMPTULIPS		433	12	949,000	15	0	418	12
SIMPSON		5	0	0	0	0	5	0
	SATSOP (4)	53	0	219,000	0	0	53	0
WILLAPA		6,987	152	6,473,800	1,020	10	5,967	142
NEMAH		2,800	50	3,947,000	892	6	1,908	44
NASELLE		7,804	618	1,097,000 10,097,000	62	14	7,742	604
SUBTOTAL		18,190	832	13,114,300	1,989	30	16,201	802

- (1) Fish counted and passed up Percival Creek until screens pulled 10/30/89
- (2) All eggs destroyed due to VHSV
- (3) All eggs destroyed due to VHSV
- (4) Fish collected on river by Elma Game Club

1989 FALL CHINOOK ESCAPEMENT (continued)

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
GRAYS RIVER		681	17	1,460,000	0	0	681	17
ELOKOMIN		3,677	9	5,015,200	0	0	3,677	9
COWLITZ		11,376	861	8,576,000	0	0	11,376	861
LOWER KALAMA		1,307	14	2,147,000	0	0	1,307	14
KALAMA FALLS		2,280	12	5,282,500	0	0	2,280	12
LEWIS RIVER	LEWIS	142	27	0	126	26	16	1
	KALAMA (5)	152	1	164,200	0	0	152	1
WASHOUGAL		6,719	202	12,000,000	0	0	6,719	202
LYONS FERRY		1,880	602	3,348,000	0	0	1,880	602
PRIEST RAPIDS		6,496	381	13,331,000	0	0	6,496	381
WELLS		383	4	1,090,000	0	0	383	4
SUBTOTAL		35,093	2,130	52,413,900	126	26	34,967	2,104
GRAND TOTAL		120,044	10,052	156,776,700	3,503	1,032	116,541	9,020

(5) Shipped in from Kalama River and held for spawning

1989 COHO ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		7,346	3,093	971,500	6,000	2,500	1,346	593
SAMISH		2,402	228	0	2,402	228	0	0
SKAGIT	BAKER	285	0	61,300	0	0	285	0
	CLARK	4,626	172	3,666,500	1,000	0	3,626	172
SKYKOMISH		23,704	91	30,125,000	0	0	23,704	91
	SUNSET FA	16,391	178	0	16,391	178	0	0
ISSAQUAH		7,174	242	7,717,000	2,000	0	5,174	242
GREEN RIVER		12,879	192	9,378,000	3,000	0	9,879	192
PUYALLUP		20,833	1,872	16,222,000	100	0	20,733	1,872
GARRISON SPS		1,001	1,345	0	991	1,340	10	5
MINTER CREEK		5,775	1,638	4,062,000	868	87	4,907	1,551
DESCHUTES		972	173	0	904	154	68	19
GEORGE ADAMS		3,097	106	1,324,300	0	0	3,097	106
MCKERNAN		8	4	0	0	0	8	4
HOOD CANAL	BAKER	7,437	376	215,000	0	0	7,437	376
DUNGENESS		1,258	6	1,764,450	0	0	1,258	6
SUBTOTAL		115,188	9,716	75,507,050	33,656	4,487	81,532	5,229
SOLEDUCK	SUMMER	3,631	1,322	3,011,000	0	0	3,631	1,322
	FALL	2,550	358	2,738,000 (1)	0	0	2,550	358
	SHALE CRK	586	132	802,300 (2)	0	0	586	132
	QUEETS	455	7	264,000 (3)	0	0	455	7
HUMPTULIPS		14,324	1,504	10,678,000	0	0	14,324	1,504
	LATE	1,345	9	1,587,000	146	0	1,199	9
SIMPSON		16,243	456	8,566,000	7,702	19	8,541	437
	BINGHAM	3,680	315	0	3,404	292	276	23
	LATE BING	1,096	0	1,419,000	0	0	1,096	0
WILLAPA		7,226	3,204	7,052,800	1,048	0	6,178	3,204
	LATE	621	0	331,000	400	0	221	0
NEMAH		4,837	1,588	2,040,000	1,000	0	3,837	1,588
NASELLE		18,210	2,975	10,386,000	0	0	18,210	2,975
SUBTOTAL		74,804	11,870	48,875,100	13,700	311	61,104	11,559

- (1) All eggs destroyed due to VHSV
- (2) 289,300 eggs destroyed due to VHSV
- (3) 106,500 eggs destroyed due to VHSV

1989 COHO ESCAPEMENT (continued)

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS	UPSTRM
					ADULTS	JACKS	ADULTS	JACKS
GRAYS RIVER	TYPE-S	3,739	731	2,949,000	0	0	3,739	731
ELOKOMIN	TYPE-N	6,203	3,974	2,080,600	2,124	0	4,079	3,974
COWLITZ	TYPE-N	35,417	7,468	10,305,000	8,290	2,703	27,127	4,765
LOWER KALAMA	TYPE-S	1,127	248	1,005,000	0	0	1,127	248
KALAMA FALLS	TYPE-S	892	75	363,200	0	0	892	75
	TYPE-N	3,073	660	816,000	492	22	2,581	638
LEWIS RIVER(4)	TYPE-S	13,357	451	1,135,100	102	0	13,255	451
	TYPE-N	34,998	7,076	13,562,000	0	0	0	7,076
SPEELYAI	TYPE-S	0	0	3,060,000	0	0	0	0
WASHOUGAL	TYPE-N	5,567	744	2,200,000	500	0	5,067	744
SUBTOTAL		104,373	21,427	37,475,900	11,508	2,725	92,865	18,702
GRAND TOTAL		294,365	43,013	161,858,050	58,864	7,523	235,501	35,490

(4) 2,497 adults shipped to and spawned at Speelyai
 9 jacks shipped to Speelyai

1989 CHUM ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		489	0	839,500	0	0	489	0
SAMISH		115	0	54,500	0	0	115	0
SKAGIT		70	0	57,500	0	0	70	0
SKYKOMISH	SUNSET FLS	16	0	0	16	0	0	0
DESCHUTES	PERCIVAL(1)	62	0	0	62	0	0	0
CARRISON SPS	CHAMBERS CR	1,987	0	112,000	1,912	0	75	0
MINTER CREEK		1,833	0	0	0	0	1,833	0
COULTER CREEK		1,797	0	1,328,000	60	0	1,737	0
GEORGE ADAMS		3,460	0	2,268,900	0	0	3,460	0
JOHN'S CRK		3,406	0	2,239,000	0	0	3,406	0
MCKERNAN		2,206	0	1,539,200	0	0	2,206	0
HOOD CANAL		36,040	0	39,599,000	100	0	35,940	0
SUBTOTAL		51,481	0	48,037,600	2,150	0	49,331	0
NEMAH		1,200	0	0	1,199	0	1	0
NASELLE		5,517	0	0	4,813	0	704	0
SUBTOTAL		6,717	0	0	6,012	0	705	0
GRAND TOTAL		58,198	0	48,037,600	8,162	0	50,036	0

(1) Fish counted and passed up Percival Creek until screens were pulled 10/30/89

1989 PINK ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS		UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS	ADULTS	JACKS
SKAGIT		5	0	0	0	0	5	0		
SKYKOMISH		192	0	0	176	0	16	0		
	SUNS FLS	21,794	0	0	21,794	0	0	0		
PUYALLUP	VOIGHTS	123	0	75,000	0	0	123	0		
	SO. PRAIRIE	150	0	200,000	0	0	150	0		
GARRISON		9	0	5,000	0	0	9	0		
MINTER CREEK		17	0	10,000	0	0	17	0		
HOOD CANAL		1,385	0	776,000	0	0	1,385	0		
GRAND TOTAL		23,675	0	1,066,000	21,970	0	1,705	0		

1989 SOCKEYE ESCAPEMENT

HATCHERY NAME	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS		UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS	ADULTS	JACKS
SKYKOMISH	SUNSET FLS	18	3	0	18	3	0	0		
EASTBANK	LK WENATCH	291	0	130,000	36	0	255	0		
	GRAND TOTAL	309	3	130,000	54	3	255	0		

JOSEPH R. BLUM
Director



STATE OF WASHINGTON
DEPARTMENT OF FISHERIES

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July 2, 1990

MEMORANDUM

Subject: Correction to the 1989 Final Escapement Report
From: Nancy Barbuto, Salmon Culture *nb*

There is a typographical error in the Fall Chinook "Eggs Taken" at the Naselle hatchery. Please make the following corrections to your copy:

1989 FALL CHINOOK ESCAPEMENT

		<u>Original</u>	<u>Corrected</u>
Naselle	Eggs Taken	1,097,000	10,097,000
Grand Total Fall Chinook	Eggs Taken	156,776,700	165,776,700

1989 ESCAPEMENT TOTALS

		<u>Original</u>	<u>Corrected</u>
Grand Total All Species	Eggs Taken	388,665,850	397,665,850

I apologize for the error. Thank you for making the corrections.