

STATE OF WASHINGTON  
DEPARTMENT OF FISHERIES  
SALMON CULTURE DIVISION

AMENDED  
FINAL

1990 HATCHERY RACK ESCAPEMENT

NANCY MIKKELSEN

JUNE 1991

1990 ESCAPEMENT TOTALS

SPECIES	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTR	
				ADULTS	JACKS	ADULTS	JACKS
SPRING CHINOOK	11,264	14,050	8,791,600	1,223	204	10,041	13,846
SUMMER CHINOOK	2,222	235	3,830,969	360	70	1,862	165
SPRINGS+SUMMER	13,486	14,285	12,622,569	1,583	274	11,903	14,011
FALL CHINOOK	101,638	8,152	157,566,166	12,121	1,229	89,517	6,923
COHO	232,231	56,288	127,979,400	79,681	13,497	152,550	42,791
CHUM	45,566	0	27,052,300	17,968	0	27,598	0
SOCKEYE	815	0	369,000	501	0	314	0
GRAND TOTAL	393,736	78,725	325,589,435	111,854	15,000	281,882	63,725

1990 SPRING & SUMMER CHINOOK ESCAPEMENT

HATCHERY	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTR	
					ADULTS	JACKS	ADULTS	JACKS
GLENWOOD SPR	SUMMERS	3	0	9,000	0	0	3	0
NOOKSACK	SPRINGS	109	9	204,600	0	0	109	9
SKAGIT	SPRINGS-CLAR	308	34	494,100	0	0	308	34
	SUMMERS-CLA	609	74	700,000	0	0	609	74
SKYKOMISH	SUMMERS	169	6	231,300	0	0	169	6
SUNSET FALLS	SUMMERS	360	70	0	360	70	0	0
HUPP SPS	SPRINGS-MINT	234	4	341,800	0	0	234	4
	(1) SPRINGS-SSN	81	0	161,700	0	0	81	0
SUBTOTAL	SPRINGS	732	47	1,202,200	0	0	732	47
	SUMMERS	1,141	150	940,300	360	70	781	80
SOLEDUCK	SPRINGS	859	25	879,500	0	0	859	25
	SPRINGS-DUN	8	0	13,200	0	0	8	0
SUBTOTAL	SPRINGS	867	25	892,700	0	0	867	25
	SUMMERS	0	0	0	0	0	0	0
COWLITZ	SPRINGS	4,525	12,667	3,388,000	0	0	4,525	12,667
KALAMA FALLS	SPRINGS	1,066	183	333,700	378	177	688	6
LEWIS RIVER (2)	SPRINGS	1,322	20	0	524	2	798	18
SPEELYAI	SPRINGS	0	0	1,672,000	0	0	0	0
KLICKITAT	SPRINGS	215	1,076	373,900	0	0	215	1,076
	SPRINGS-WIND	321	0	703,100	0	0	321	0
LYON'S FERRY	SPRINGS-TUC	428	32	176,000	302	25	126	7
EASTBANK (3)	SPRINGS-CHIW	38	0	50,000	19	0	19	0
	(4) SUMS-WENAT	81	5	161,669	0	0	81	5
WELLS DAM	SUMMERS	1,000	80	2,729,000	0	0	1,000	80
RINGOLD	SPRINGS	1,750	0	0	0	0	1,750	0
SUBTOTAL	SPRINGS	9,665	13,978	6,696,700	1,223	204	8,442	13,774
	SUMMERS	1,081	85	2,890,669	0	0	1,081	85
TOTAL SPRINGS		11,264	14,050	8,791,600	1,223	204	10,041	13,846
TOTAL SUMMERS		2,222	235	3,830,969	360	70	1,862	165
GRAND TOTAL		13,486	14,285	12,622,569	1,583	274	11,903	14,011

(1) Shipped in from South Sound Net Pens

(2) 794 adults and 18 jacks shipped to and spawned at Speelyai

(3) All gaffed in Chiwawa River

(4) Trapped at Dryden and Tumwater dams, and hauled to Eastbank

1990 FALL CHINOOK ESCAPEMENT

HATCHERY	STOCK	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTR	
					ADULTS	JACKS	ADULTS	JACKS
GLENWOOD SPRNGS		294	143	625,500	0	0	294	143
NOOKSACK		791	98	2,453,900	0	0	791	98
SAMISH		15,469	232	16,353,000	2,789	74	12,680	158
SKAGIT	CLARK CRK	686	162	1,343,600	0	0	686	162
SKYKOMISH	MAY-WALL	815	9	1,069,300	0	0	815	9
SUNSET FALLS		146	38	0	146	38	0	0
ISSAQUAH		5,541	91	5,028,600	500	0	5,041	91
GREEN RIVER		9,322	231	18,389,300	101	0	9,221	231
PUYALLUP	VOIGHT	1,970	1	3,697,000	319	0	1,651	1
MCALLISTER		1,481	115	3,037,000	0	0	1,481	115
GARRISON	CHAMBERS	710	463	1,719,500	0	0	710	463
DESCHUTES		17,876	1,131	20,944,900	5,186	973	12,690	158
	PERCIVAL(1)	1,097	3	0	1,097	3	0	0
MINTER CREEK		3,260	198	4,391,000	447	17	2,813	181
COULTER CREEK		3,238	37	1,411,000	700	0	2,538	37
GEORGE ADAMS		2,186	153	2,545,100	0	0	2,186	153
HOOD CANAL		1,211	512	1,946,500	0	0	1,211	512
ELWHA CHAN	(2)	1,450	7	4,395,000	7	0	1,443	7
SUBTOTAL		67,543	3,624	89,350,200	11,292	1,105	56,251	2,519
SOLEDUCK		12	0	34,400	0	0	12	0
SHALE CREEK	QUEETS	135	1	245,000	2	0	133	1
HUMPTULIPS	(3)	169	5	274,700	0	0	169	5
SIMPSON		30	0	67,300	0	0	30	0
	SATSOP (4)	0	0	627,000	0	0	0	0
WILLAPA		5,016	832	5,183,600	500	0	4,516	832
NEMAH		1,511	52	2,584,000	0	0	1,511	52
NASELLE		2,150	1,011	4,464,000	2	1	2,148	1,010
SUBTOTAL		9,023	1,901	13,480,000	504	1	8,519	1,900
GRAYS RIVER	(5)	629	28	1,383,000	0	0	629	28
ELOKOMIN		1,498	13	2,164,900	9	0	1,489	13
	MILL CR	30	0	29,500	0	0	30	0
COWLITZ		6,357	473	13,040,000	0	0	6,357	473
TOUTLE		253	27	463,600	19	24	234	3
LOWER KALAMA		1,899	161	4,231,000	0	0	1,899	161
KALAMA FALLS		3,980	143	11,306,200	198	92	3,782	51
LEWIS RIVER	LEWIS	101	7	0	99	7	2	0
WASHOUGAL		4,814	296	7,809,900	0	0	4,814	296
LYONS FERRY		1,662	981	3,501,866	0	0	1,662	981
PRIEST RAPIDS		3,479	451	9,936,000	0	0	3,479	451
WELLS		370	47	870,000	0	0	370	47
SUBTOTAL		25,072	2,627	54,735,966	325	123	24,747	2,504
GRAND TOTAL		101,638	8,152	157,566,166	12,121	1,229	89,517	6,923

(1) Fish counted and passed up Percival Creek

(2) Includes fish returning to hatchery and taken from river

(3) Includes fish returning to hatchery and taken from river

(4) Fish collected on river by Elma Game Club; eggs shipped to Simpson Hatchery

(5) Includes fish returning to hatchery and taken from river

1990 COHO ESCAPEMENT

HATCHERY	STOCK	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTRM	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK		2,482	3,912	999,700	1,400	600	1,082	3,312
SAMISH		6,159	498	0	6,159	498	0	0
SKAGIT	BAKER	437	3	120,000	0	0	437	3
	CLARK	6,417	453	3,986,700	1,333	37	5,084	416
SKYKOMISH		19,698	61	14,304,400	7,000	0	12,698	61
SUNSET FALLS		15,663	391	0	15,663	391	0	0
ISSAQUAH		1,426	1,298	1,055,500	500	0	926	1,298
GREEN RIVER		15,120	208	6,321,600	8,000	0	7,120	208
PUYALLUP		15,241	1,092	7,781,000	500	0	14,741	1,092
GARRISON SPS		2,232	1,279	0	1,641	926	591	353
MINTER CREEK		9,455	2,271	8,369,000	70	0	9,385	2,271
DESCHUTES		2,908	125	0	2,770	108	138	17
GEORGE ADAMS		2,582	51	2,229,300	0	0	2,582	51
HOOD CANAL	BAKER	5,124	1,189	304,000	0	0	5,124	1,189
DUNGENESS		1,526	6	1,881,100	0	0	1,526	6
SUBTOTAL		106,470	12,837	47,352,300	45,036	2,560	61,434	10,277
SOLEDUCK	SUMMER	4,795	2,878	426,000	0	0	4,795	2,878
	FALL	1,210	2,828	1,725,300	0	0	1,210	2,828
SHALE CREEK	CLEARWT	1,552	7	385,000	1,043	1	509	6
	QUEETS	137	4	149,000	0	0	137	4
HUMPTULIPS		9,428	2,581	12,909,000	0	0	9,428	2,581
SIMPSON		18,335	1,964	15,043,000	7,000	0	11,335	1,964
	(1) BINGHAM	5,130	457	180,000	3,892	380	1,238	77
	LATE BING	253	1	391,300	150	0	103	1
WILLAPA		5,241	1,360	1,718,500	2,500	0	2,741	1,360
NEMAH		5,563	184	2,474,100	1,540	27	4,023	157
NASELLE		12,874	3,786	7,896,000	121	0	12,753	3,786
SUBTOTAL		64,518	16,050	43,297,200	16,246	408	48,272	15,642
GRAYS RIVER	TYPE-S	1,594	1,175	1,446,000	0	0	1,594	1,175
ELOKOMIN	TYPE-N	7,963	2,413	3,711,000	2,722	0	5,241	2,413
COWLITZ	TYPE-N	13,009	11,278	9,812,000	4,875	8,997	8,134	2,281
TOUTLE	TYPE-S	2,745	1,491	1,799,000	938	1,440	1,807	51
LOWER KALAMA	TYPE-S	2,286	1,724	2,682,000	60	11	2,226	1,713
KALAMA FALLS	TYPE-S	2,951	423	468,700	314	81	2,637	342
	TYPE-N	2,634	887	1,251,000	111	0	2,523	887
LEWIS RIVER(2)	TYPE-S	4,733	1,050	630,000	2,542	0	2,191	1,050
	TYPE-N	21,286	6,613	12,618,900	6,837	0	14,449	6,613
SPEELYAI	TYPE-S	0	0	1,303,000	0	0	0	0
WASHOUGAL	TYPE-N	2,042	347	1,608,300	0	0	2,042	347
SUBTOTAL		61,243	27,401	37,329,900	18,399	10,529	42,844	16,872
GRAND TOTAL		232,231	56,288	127,979,400	79,681	13,497	152,550	42,791

(1) Eggtake from marked fish brought to hatchery from trap

(2) 1,465 adults and 16 jacks shipped to and spawned at Speelyai

1990 CHUM ESCAPEMENT

HATCHERY	STOCK NAME	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTR	
					ADULTS	JACKS	ADULTS	JACKS
NOOKSACK	(1)	995	0	1,436,800	0	0	995	0
SKAGIT		102	0	131,400	0	0	102	0
SUNSET FALLS		15	0	0	15	0	0	0
DESCHUTES	PERCIVAL(2)	9	0	0	9	0	0	0
GARRISON SPS	CHAMBERS	2,113	0	524,000	1,744	0	369	0
MINTER CREEK		421	0	0	0	0	421	0
COULTER CREEK		2,094	0	1,338,700	800	0	1,294	0
GEORGE ADAMS		2,727	0	3,061,400	0	0	2,727	0
SHELTON		4,201	0	2,541,300	590	0	3,611	0
MCKERNAN		1,859	0	2,192,900	0	0	1,859	0
HOOD CANAL		14,809	0	14,285,000	500	0	14,309	0
SUBTOTAL		29,345	0	25,511,500	3,658	0	25,687	0
NEMAH		6,969	0	1,540,800	5,275	0	1,694	0
NASELLE		9,252	0	0	9,035	0	217	0
SUBTOTAL		16,221	0	1,540,800	14,310	0	1,911	0
GRAND TOTAL		45,566	0	27,052,300	17,968	0	27,598	0

(1) Includes fish returning to hatchery and taken from river

(2) Fish counted and passed up Percival Creek

1990 SOCKEYE ESCAPEMENT

HATCHERY	STOCK	ADULTS	JACKS	EGGS TAKEN	UPSTREAM		ESC MINUS UPSTR	
					ADULTS	JACKS	ADULTS	JACKS
SUNSET FALLS		37	0	0	37	0	0	0
EASTBANK	LK WENAT (1)	778	0	369,000	464	0	314	0
GRAND TOTAL		815	0	369,000	501	0	314	0

(1) Fish were trapped at Tumwater Dam and taken to Lk Wenatchee