

Areas of polygons relating numbers of fish seen and duration of spawning runs (areas expressed as "fish-days")

	1944		1945		1946		1947		1948
	TOTAL	TACS	TOTAL	TACS	TOTAL	TACS	TOTAL	TACS	
WILLIAMS	56,530	1244	87,600	1,900	61,600	1410	60,600	4112	No Live counts made
ELIZA	12,650	705	29,600	746	13,080	696	5189	463	
SCULLY	14,060	108	11,200	38	14,080	774	7980	962	
GRANITE	1,690	25	960	32	342	0	307	36	
OTHERS	400	33	420	0	-	-	-	-	
TOTAL	85,330	2145	129,780	2716	89,902	2880	74076	5573	
TACS AVAILABLE	600		807		1240		2256		1254

ESTIMATES LAKEELSE ADULT SOCKEYE RUNS

① From Live counts.

A = area of polygons relating fish seen to time.
 B = tags available
 cf_b = factor correcting B for differential mortality.
 c = area of polygons relating tagged fish seen to trap.
 cf_c = factor correcting c for differential visibility
 $P = \frac{A \times \text{corr. } (B+B')}{\text{corr. } c}$

A_d = area of polygons for dead fish
 C_{fd} = factor correcting C for tag loss
 C_d = corrected number dead tag recoveries.

	A	B river	cf _b river	corr. B	β' stream	cf _b '	corr. B'	corr B+B'	C	cf _c	corr. C	P
1944 { Williams } others Total	85,330	0	-	0	600	.91	546	546	1244	1.7	2115	15,603 ✓
									871	1.0	871	
									2,115		2986	
1945 { Williams } others Total	129,780	0	-	0	807	.91	734	734	1,900	1.7	3230	23,544 ✓
									816	1.0	816	
									2,716		4046	
1946 { Williams } others Total	89,902	0	-	0	1240	.91	1128	1128	1,410	1.7	2397	26,224 ✓
									1,470	1.0	1470	
									2,880		3867	
1947 { Williams } others Total	74,076	866	0.64	554	1390	.91	1265	1819	4,112	1.7	6990	15,944 ✓
									1461	1.0	1461	
									5,573		8451	
1948	1,563	300	0.64	192	0	-	0	192	23	1.0	23	13,048 ✓

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② From dead counts

	A _d	corr. B+B'	C _d	cf _{cd}	corr. C	P
1944	1225	546	320	1.2	38.4	17,918 ✓
1945	1875	734	24.5	1.2	29.4	46,811 ✓
1946	1217	1128	35.5	1.2	42.6	32,225 ✓
1947	493	1819	62.8	1.2	75.4	11,893 ✓

③ Geometric mean Ests ①, ②

Year	Ests	Bretts ests.
1944	16,480	25,000
1945	33,190	56,700
1946	29,080	40,000
1947	13,610	
1948	13,048	20,000