

SALMON STREAM SPAWNING REPORT

DISTRICT NO. 3 FISHERY OFFICER G.W. Winsby YEAR 1951.NAME OF STREAM Nimpkish River System FLOWING INTO Broughton Strait.
MAP NAME LOCAL NAMEDATES ON WHICH STREAM INSPECTED 17 May, 13, 22, 31 Aug., 14 Sept., 24, 25, 27 Oct.
Lower reaches May through to 21 Nov. by Patrolman.

NOTE:-

A SKETCH OF THIS STREAM IS REQUIRED ON THE BACK OF THIS FORM, SHOWING IN ADDITION TO RELEVANT DATA SUCH AS LOCATION OF OBSTRUCTIONS, GENERAL OUTLINE OF TOPOGRAPHY ALONG THE STREAM, PORTIONS OF STREAM BED WHERE SPAWNING OCCURS, ETC., ITS LOCATION IN RELATION TO SOME KNOWN POINT, WHEN SUCH SKETCH HAS ONCE BEEN MADE AVAILABLE, IT MAY BE REFERRED TO IN FOLLOWING REPORTS.

PARTICULARS OF SPAWNING AND SPAWNING CONDITIONS

	SOCKEYE	SPRINGS	COHOE	PINKS	CHUMS	STEELHEADS
1. DATES OF DURATION) START	May	July	Aug.	July	Oct.	Jan.
OF RUN) PEAK	July	Sept.	Sept.	Aug.	Nov.	Mar.
END	Aug.	Sept.	Oct.	Sept.	Dec.	Nov.
2. TOTAL NUMBER OF GROUNDS	N	K	K	H	M	H
3. SIZE OF RUN-HVY.MED.LT.	Hvy	Hvy	Hvy	Med	Hvy	Hvy
4. COMPARE WITH TOTAL NUMBER FOR BROOD YEAR USING SYMBOL	No Data	No Data	Lighter in 1948	H	No Data	No Data
5. GIVE SEX RATIO) MALE	50	50	50	40	50	Not
IN PERCENTAGES) FEMALE	50	40	45	60	50	Determined.
JACKS		10	5			

NOTE: DRAW LINES THROUGH NAMES OF SALMON THAT DO NOT FREQUENT THIS STREAM.

6. PHYSICAL CONDITION OF SPAWNING GROUNDS

(A) EVIDENCE OF EROSION AND SILTING - GIVE EXTENT OR % STREAM BED AFFECTED
Estimated 10% of system affected by erosion. No silting observed.

(B) PARTICULARS OF SCOURING OF SPAWNING BEDS OR CHANGE IN COURSE OF STREAM

Scouring not prevalent. No changes of courses noted this year.

(C) WATER LEVELS (LOW, NORMAL, HIGH, ABNORMAL). IF ABNORMAL, DETAILS SHOULD BE GIVEN

Abnormally low water during mid and late summer may have affected Sockeyes adversely by retarding migration abnormally at Karmutsen Falls and causing more than usual spawning in river7. BIOLOGICAL CONDITIONS
(A) PARTICULARS OF DISTRIBUTION OF SPAWNING SALMON OVER THE STREAMBED below falls.Distribution very satisfactory throughout spawning beds of system with exception of situation noted in 6 (C).(B) COMMENTS RE PREDATORS Bird and bear predation considered lighter than last year. Hair seals(C) EVIDENCE OF DIGGING UP OF EGGS BY LATER SPAWNING FISH numerous in lower reaches and in Nimpkish Lake.
None found.

8. OBSTRUCTIONS

(A) PASSABLE OR IMPASSABLE As reported last year. No important changes.

(B) NATURE OF OBSTRUCTION

(C) DISTANCE FROM MOUTH OF STREAM

(D) DO YOU RECOMMEND THAT THE OBSTRUCTION BE REMOVED?

(IF SO, ATTACH REPORT STATING YOUR REASONS AND DESCRIBE NATURE AND EXTENT OF THE SPAWNING GROUNDS ABOVE OBSTRUCTION.)

9. COMMENTS ON ANY OTHER CONDITIONS AFFECTING THIS STREAM

Continued survey work and compilation of data was made during the year by members of the Biological and Engineering branches at Karmutsen Falls in connection with the proposed fishway there.

This year, for the first time, the writer found actual Sockeye spawners at the head of Vernon Lake in the feeder stream.

10. NOTE: ESTIMATE NUMBER OF PARENT FISH ON SPAWNING GROUNDS AND INDICATE BY PLACING LETTER IN COLUMN PROVIDED TO SHOW APPROXIMATE NUMBER, THUS:

1-50	A	300-500	D	2000-5000	G	(OVER)	20,000-50,000	L
50-100	B	500-1000	E	5000-10000	H		50,000-100,000	M
100-300	C	1000-2000	F	10000-20000	K		OVER 100,000	N