

## SALMON STREAM SPAWNING REPORT

DISTRICT NO. 3 FISHERY OFFICER G.W. Winsby YEAR 1953.NAME OF STREAM Nimkish River System FLOWING INTO Broughton Strait.  
RIVER NAME LOCAL NAMEDATES ON WHICH STREAM INSPECTED 3,4,5,6, July, 15 & 23 May, 24 July, 6,10,11 August,  
16 Sept., 6 Aug., 27,29,31 Oct., 1 Nov., 7 Dec.,  
NOTE: 26 Aug., 26 Oct. Periodically during season in low-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. er reaches by Pa-  
trolman.

## PARTICULARS OF SPAWNING AND SPAWNING CONDITIONS

	SOCKEYE	SPRINGS	COHO	PINKS	STEELHEAD	CHUMS
1. DATES OF DURATION) START	May	July	Aug.	July	Jan.	Oct.
OF RUN ) PEAK	July	Sept.	Sept.	Aug.	Nov.	Nov.
) END	Aug.	Sept.	Oct.	Sept.	Sept.	Dec.
2. TOTAL NUMBER OF GROUNDS	N	K	K	G	H	M
3. SIZE OF RUN-IVY, MED, LT.	Hvy.	Hvy.	Hvy.	Lt.	Hvy.	Med.
4. COMPARE WITH TOTAL NUMBER FOR BROOD YEAR USING SYMBOL	N	ND	H	H	NB	N
5. GIVE SEX RATIO IN) MALE	50	60	55	45	No	50
PERCENTAGES ) FEMALE	50	35	40	55	Data	50
) JACKS		5	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 No silting found.  
Erosion was not found to any greater extent than last year but may
- (B) PARTICULARS OF SCOURING OF SPAWNING BEDS OR CHANGE IN COURSE OF STREAM have occurred in  
No scouring was found and no course changes. high water levels
- (C) WATER LEVELS (LOW, NORMAL, HIGH, ABNORMAL). IF ABNORMAL, DETAILS SHOULD BE GIVEN during  
Gradual increase to abnormally high level in late fall. late fall.

## 7. BIOLOGICAL CONDITIONS

- (A) PARTICULARS OF DISTRIBUTION OF SPAWNING SALMON OVER THE STREAMBED It was indicated that  
there was a much better population of grounds above Karmutsen this
- (B) COMMENTS RE PREDATORS year on account of ideal water levels. Spawnings  
throughout the system were distributed satisfactor-
- (C) EVIDENCE OF DIGGING UP OF EGGS BY LATER SPAWNING FISH Predation by bears was  
None found. very heavy in all areas exam-

## 8. OBSTRUCTIONS

- (A) PASSABLE OR IMPASSABLE Kish Lake.
- (B) NATURE OF OBSTRUCTION The second falls above Karmutsen still remains as  
an unknown problem as far as its affect on mi-
- (C) DISTANCE FROM MOUTH OF STREAM grating fish at certain water levels. Study
- (D) DO YOU RECOMMEND THAT THE OBSTRUCTION BE REMOVED? by Fish Culture Branch has been  
(If so, ATTACH REPORT STATING YOUR REASONS AND DESCRIBE NATURE AND EXTENT OF THE SPAWNING  
GROUNDS ABOVE OBSTRUCTION.) suggested.

9. COMMENTS ON ANY OTHER CONDITIONS AFFECTING THIS STREAM There was a very heavy November  
run of Steelheads.

Karmutsen Fishway was completed in September but water levels were  
high throughout the season and the results of the fishway could not  
be determined since fish were able to negotiate the falls at other  
points. Examination of Sockeye and Coho spawning grounds was not as  
inclusive as desired since bad weather hampered use of the patrol air-

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

1-50	A	300-500	D	2000-5000	G	20000-50000	L
50-100	B	500-1000	E	5000-10000	H	50000-100000	M
100-300	C	1000-2000	F	10000-20000	K	OVER 100000	N