



Annual Report of Salmon Streams and Spawning Populations

STREAM IDENTIFICATION

Area: 14	District: 03	Sub: 14N	Comox	INSPECTION DATES	
1st Local Name:					
2nd Local Name:					
Flows Into: COMOX HARBOUR					
Latitude: 49 40 48		Longitude: 124 58 32		CONTINUOUS COUNTS	Start date 01/07/1997
Field Crew: Hatchery Staff					End date 01/01/1998

DETAILS AFFECTING ESCAPEMENT ESTIMATION (5) ESCAPEMENT ESTIMATION COMMENTS ☒

Sp	R U N	(1) N Methods	%Spawn habitat surveyed	(2) Rel	(3) Enum Class	Esc Code	(4) Est. total adults	Brood stock removals	Jacks	Escapement Goal
SK	1		0		0	N.O.				
SK	2		0		0	N.O.				
CO	1	1,2,3,11	25	4	3	A.C.	1,500	4,730	1,097	
CO	2		0		0	N.O.				
PK	1	1,2,3,5,1	90	4	3	A.C.	6,100	2,800		
PK	2		0		0	N.O.				
CM	1	1,2,5,11	90	5	3	A.C.	100,000	4,864		
CM	2		0		0	N.O.				
CN	1	1,2,3,11	75	4	2	A.C.	25	290		
CN	2	1,2,3,11	75	4	2	A.C.	323	208		
ST	1		0		0	A.P.				
ST	2		0		0	N.O.				
AT	1		0		0	N.O.				
AT	2		0		0	N.O.				
CT	1		0		0	N.I.				
CT	2		0		0	N.I.				
TR	1		0		0	N.I.				
TR	2		0		0	N.I.				

SPAWNING RUN TIMING

(6) GENERAL COMMENTS ON RUN TIMING ☒

Sp	R U N	Arrival in Stream		Dates of Spawning					
				Start		Peak		End	
		Month	Day	Month	Day	Month	Day	Month	Day
SK	1								
SK	2								
CO	1								
CO	2								
PK	1								
PK	2								
CM	1								
CM	2								
CN	1								
CN	2								
ST	1								
ST	2								
AT	1								
AT	2								
CT	1								
CT	2								
TR	1								
TR	2								



UNUSUAL CONDITIONS IN STREAM COURSE OR SPAWNING GROUNDS

- ☐ (7) Enhancement or intense biological activities
- ☒ (8) Unusual mortalities
- ☐ (9) Upslope instability
- ☐ (10) Debris jams present which could become a debris torrent
- ☐ (11) Severe bank erosion
- (12) Percent (%) of spawning habitat degradation:
- Unusual (13) Drought ☐ (14) or Flood ☒ impacts on spawning or egg incubation success of salmon this year
- ☐ (15) GENERAL COMMENTS ON UNUSUAL CONDITIONS

RECOMMENDATIONS

- ☐ (16) Fish access problems
- ☐ (17) Spawning site conditions
- ☐ (18) Augmentation of flows
- ☐ (19) Other suggestions

BIOLOGICAL DETAILS

Particulars of distribution of spawning salmon over the stream bed:

Coho and Chums able to go through or around fence for much of their migration period.

Juvenile observations:	SK	CO	PK	CM	CN
Juveniles present?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Juvenile studies performed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Evidence of digging up of redds or eggs by spawning fish:

Pink:

Sockeye:

Chum: **Slight**

Predator observations: ☐ Predator (bears, eagles or seals) counts available for one or more survey dates

☒ (20) GENERAL COMMENTS ABOUT ADULT & JUVENILE SALMON DISTRIBUTION OR PREDATOR INTERACTIONS

Biosampling procedures:

Species	Scales	Otoliths	Ovaries	Length	DNA	Other	Comment
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Contact:

Data Location:

☐ (21) GENERAL COMMENTS ON SAMPLING ACTIVITIES OR STUDIES NOT COVERED ABOVE

☐ (22) SUPPLEMENTARY DOCUMENTATION NOT INCLUDED WITH THIS REPORT



COMMENTS ON CONDITIONS AFFECTING THIS STREAM AND ESCAPEMENT ESTIMATES

(4) Describe basis for estimating total adults CN Run 2: CN run 1 is summer run.
CN run 2 is fall run.

(5) General Comments on Escapement Estimation: Numbers derived from hatchery. Hatchery provided information.
Contact hatchery to verify numbers as given on this report.

(6) General Comments on Run Timing: Contact hatchery to provide details on fence counts, swim ins, brood stock captures and numbers regarding run timing.

(8) Unusual mortalities: Seal predation affects CN and PK runs. Riverine seals hunting right up to fence.

(14) Flood: March 1997 flood adversely affects all Area 14 streams. Oct. 10 flood destroys 1/3 of fence and renders it ineffective for about a week until temporary patch could be put in place.

(20) On Salmon Distribution or Predator Interactions: Excessive seal predation continues to have effects on chinook and pinks due to low levels for returns. Seal cull commenced this year. 39 animals shot. Continuation of cull is uncertain. Low abundance of pinks made it difficult for anglers and harvest appears to have been negligible by the local sport fleet.

Eli Rosengard / Patrolman

Person Preparing Report

Signature

EXPLANATION OF MULTI-LEVEL VARIABLES RELATED TO ESCAPEMENT

(1) Method codes: (1) bank walk; (2) stream walk; (3) snorkel; (4) boat; (5) plane; (6) helicopter; (7) redd counts; (8) dead pitch; (9) strip counts; (10) other; (11) Fence.

(2) Reliability codes: Low -> 1 - 2 - 3 - 4 - 5 <- High

(3) Enumeration class: (0) Not available; (1) Absolute abundance; (2) Relative: constant multi-year methods; (3) Relative: varying multi-years methods; (4) Presence/absence; (5) No survey this year.

(4) Escapement codes: (N.O.) stream inspected but None Observed; (U.K.) number UnKnown; (N.I.) stream Not Inspected; (N.S.) species does Not Spawn in this system; (A.P.) Adults Present; (A.C.) Adult Count.