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Preliminary Catalogue of Salmon Streams and Spawning Escapements of Statistical Area 11 (Seymour – Belize Inlets)

D.E. Marshall
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Pac/D-77-5

Pacific Region

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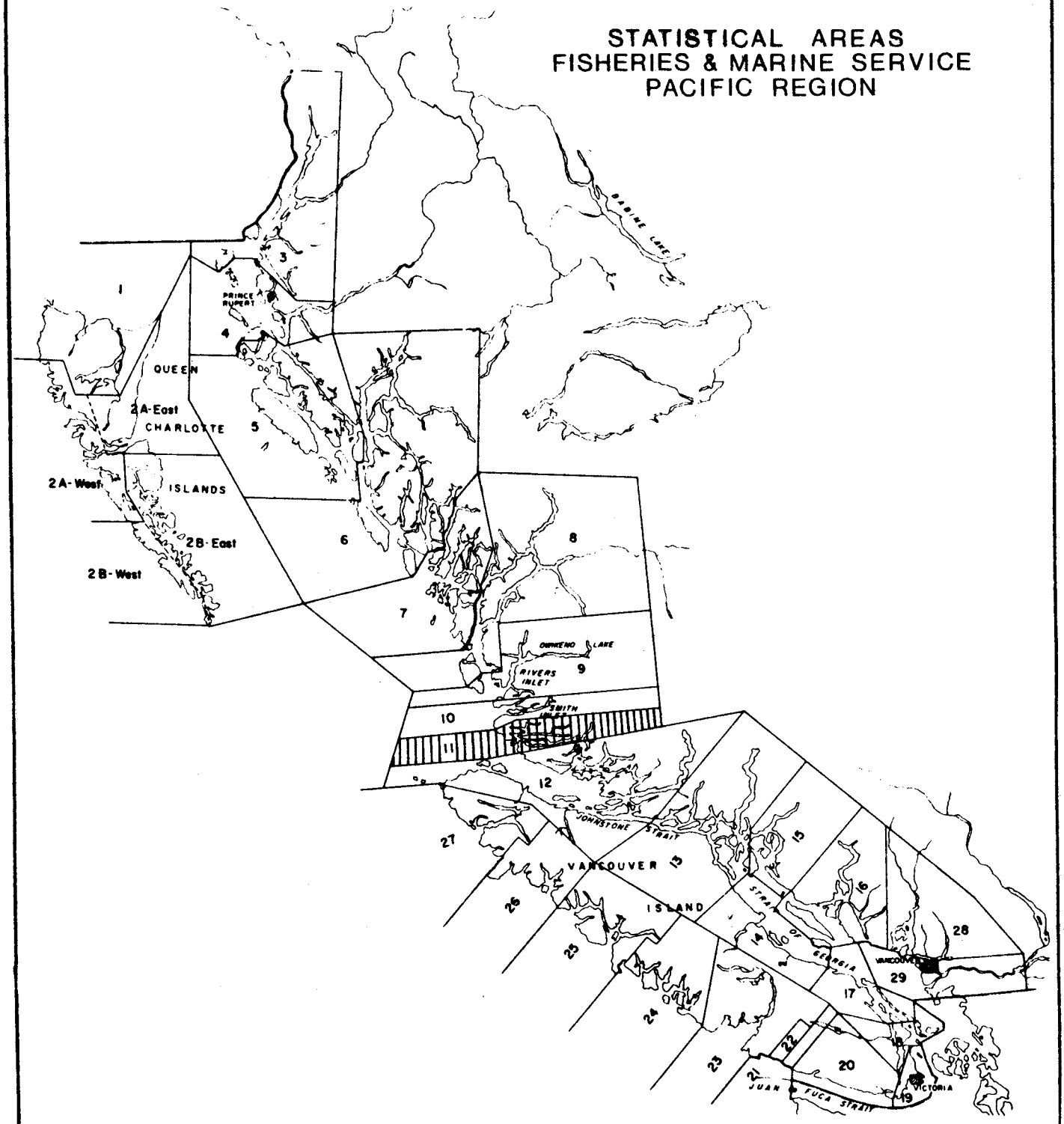
STATISTICAL AREAS
FISHERIES & MARINE SERVICE
PACIFIC REGION
BABINE LAKE
PRINCE RUPERT
QUEEN
CHARLOTTE
ISLANDS
2A-East
2A-West
2B-East
2B-West
OWIKENO LAKE
RIVERS INLET
SMITH INLET
JOHNSTONE STRAIT
VANCOUVER
ISLAND
STRAIT OF GEORGIA
VANCOUVER
VICTORIA
JUAN DE FUCA STRAIT
1
2
3
4
5
6
7
8
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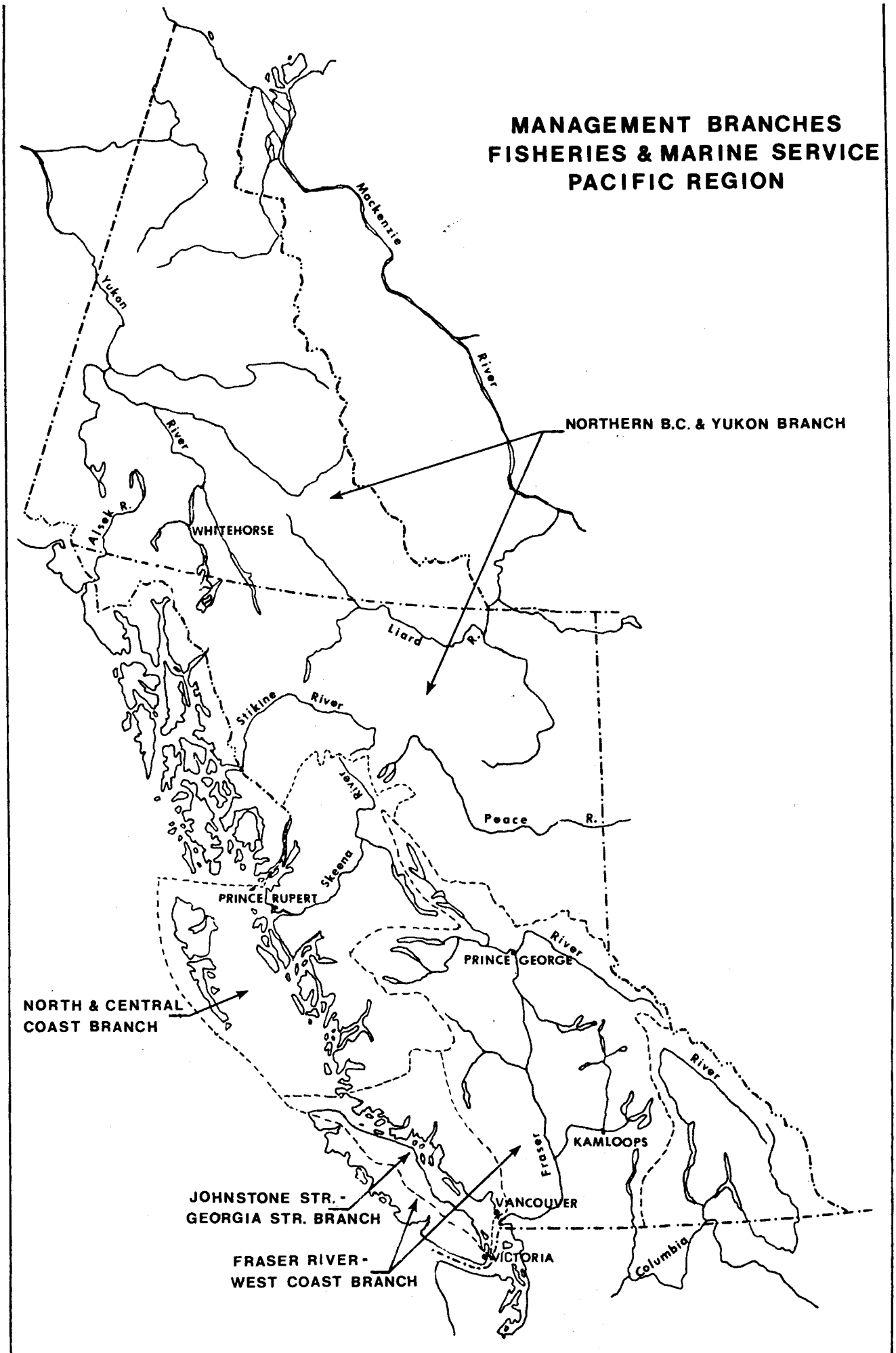
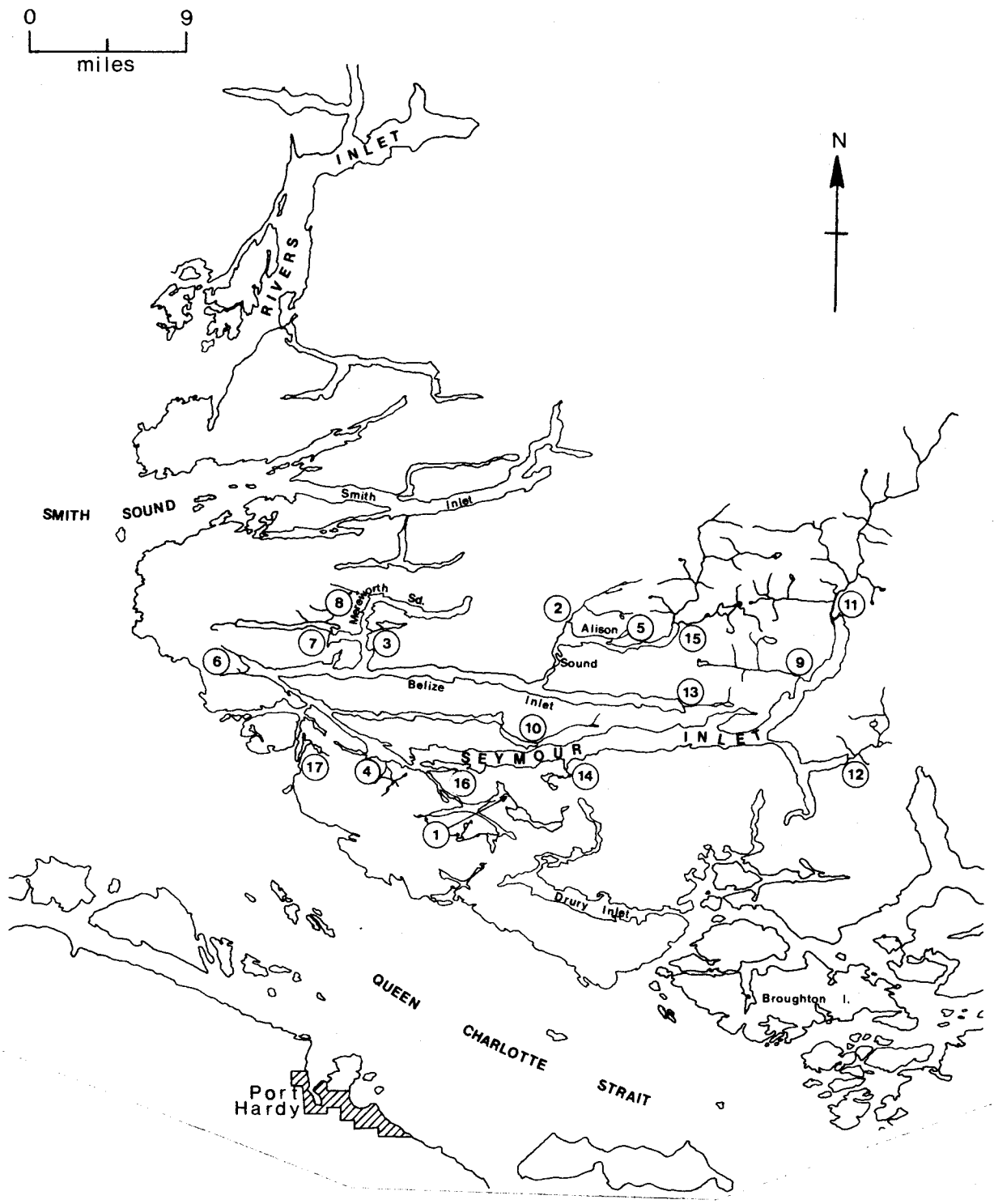
29

CONTENTS

CONSERVATION DISTRICTS
FISHERIES AND MARINE SERVICE
PACIFIC REGION


MANAGEMENT BRANCHES
FISHERIES & MARINE SERVICE
PACIFIC REGION
NORTHERN B.C. & YUKON BRANCH
NORTH & CENTRAL
COAST BRANCH
JOHNSTONE STR. -
GEORGIA STR. BRANCH
FRASER RIVER -
WEST COAST BRANCH
Mackenzie
River
Yukon
River
Alsek R.
WHITEHORSE
Liard
R.
Stikine
River
River
Peace
R.
Skeena
PRINCE RUPERT
PRINCE GEORGE
River
River
Fraser
KAMLOOPS
VANCOUVER
VICTORIA
Columbia

SALMON SPAWNING STREAMS
STATISTICAL AREA 11



1. Bamford Cr., Lee Cr., Whelakis Cr.
2. Chief Nollis Creek
3. Driftwood Creek
4. Eva Creek
5. Jap Creek
6. Lassiter Bay Cr. & Rowley Bay Cr.
7. Pack Lake Creek
8. Quashella Creek
9. Rainbow Creek
10. Schwartzenberg Lagoon Creek
11. Seymour River
12. Taaltz Creek
13. Waamtx Creek
14. Warner Bay Creek
15. Waump Creek & Alison River
16. Wawatle Bay Creek
17. Wodeford Creek

ESCAPEMENT RECORD FOR **STATISTICAL AREA 11**

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947						
48			2850	16750		
49			1600	3900		
50			7500	32500		
51			11450	41900		
52			8702	68500		
53			13975	36975		
54			25225	46850		
55			20750	28575		
56			16925	39575		
57			11150	37150		
58			15325	46325		
59			5075	27850		
60			2375	7575		
61			3400	19225	25	
62			5300	12550		
63			5050	15100		
64			8775	27500		
65			11775	12200		
66			6600	27450		
67			5400	53875		
68			5900	35275	25	
69			2425	26275	25	
70		25	9125	41600	200	
71			5050	19725	25	
72			1215	18470		
73			2800	60540		
74			3545	50450		
75			1390	17500		
76	50		1730	10570	3	
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.						
Start						
Peak						
End						

REMARKS

STANDARDS USED ON STREAM DATA PAGE

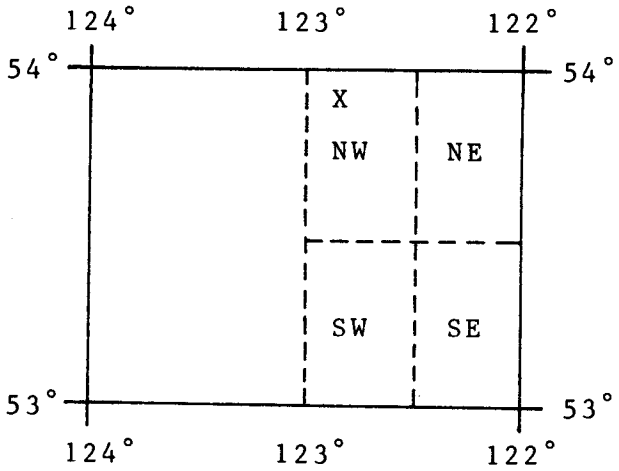
Name of Stream: Name as given in Gazetteer of Canada, British Columbia edition; local names are added in lower case type.

Conservation District: As defined by the Conservation and Protection Service (April 1965).

Statistical Area: As defined by Department of Fisheries Statistical Map (June 1957).

Location and Position: Defined by quadrant indexing. Each geographical quadrilateral of the earth's surface of 1 degree in extent in latitude and longitude is divided into the SE, SW, NE and NW quarters. The south-east corner of each quadrilateral gives the initial point for the figure of reference (Gazetteer of Canada).

EXAMPLE "X"
53° 122° NW



Length: The portion of the stream utilized by spawning salmon.

Width: Average width, estimated to the nearest foot for the described length.

Drainage: Area in square miles of the entire drainage basin feeding the stream.

Composition:

Bedrock	bedrock
Boulder	>256 mm (>10")
Coarse	50.9 - 256 mm (2 - 10")
Fine	3.37 - 50.8 mm (1/8 - 2")
Sand & Silt	<3.37 mm
Unclassified	where bottom cannot be observed, e.g. log jam, pools, water colour, etc.

Gradient: Average vertical drop per thousand linear feet.

Wetted Area: Number of square yards of stream bed under water at average flows within the described length.

Spawning Area: Estimated square yardage of stream bed suitable for salmon spawning within the described length.

Discharge: Mean annual discharge. Maximum and minimum values are either daily means or instantaneous discharges. The latter are identified by (Inst.). Discharge data is taken from "Historical Stream Flow Summary", British Columbia, Water Survey of Canada.

Temperature: As described.

Barriers and Points of Difficult Ascent: Complete and partial barriers to salmon and their distance from the stream mouth. Species likely to be affected may be listed. Both natural and man-made obstructions are defined.

Spawning Distribution: Distribution is indicated by brief comments opposite the species.

Fisheries Potential of Inaccessible Portion of Stream

General Remarks: Emphasizes features of stream and spawning populations. Also includes industrial activity, routes of accessibility, etc. The comments with dates following them are taken from "Annual Reports of Salmon Stream & Spawning Grounds" (B.C. 16's).

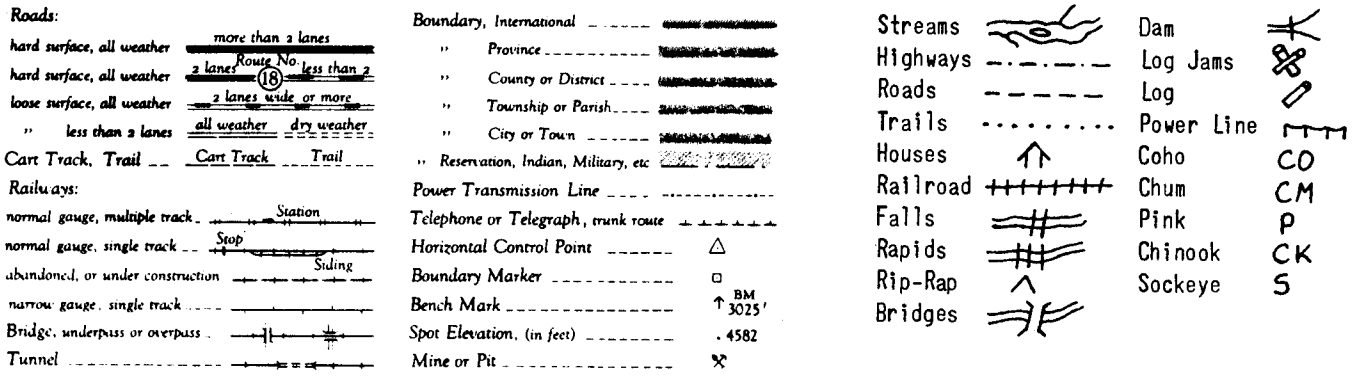
Escapement Record: The escapement represents the mid point of the coded range of escapement for each species. For example: 5000-10000 would be entered as 7500. Where absolute numbers are provided by Fisheries Personnel, these numbers are entered. N/O means no fish were observed; UNK means some fish were seen but no estimates were made.

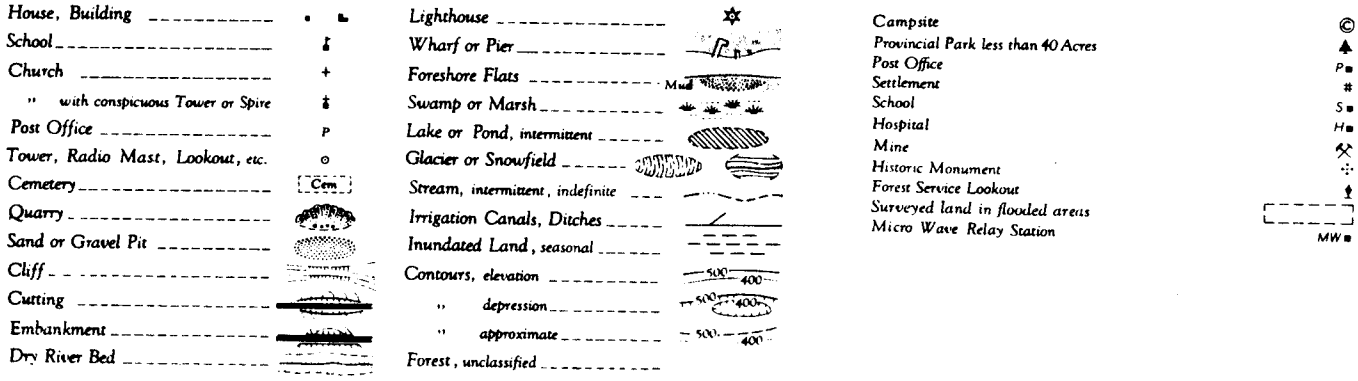
The timing is in reference to migration and spawning:

Arr. - arrival in stream
E - early (first 10 days of month)
M - middle (middle 10 days of month)
L - late (last 10 days of month)

Distance references are from mouth of stream, unless otherwise stated.

MAP REFERENCES

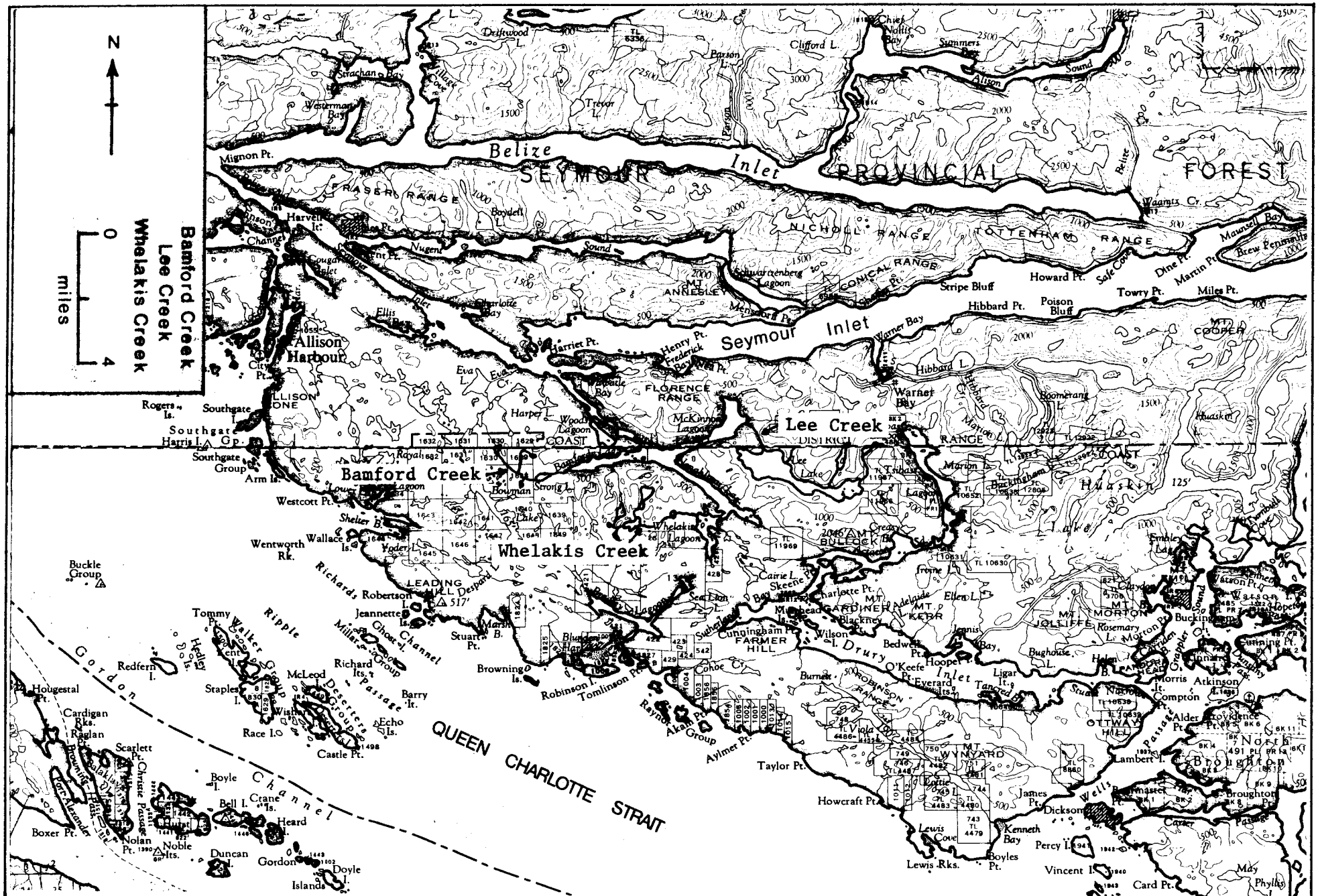




Town	Ville	□	Stream intermittent or dry	Cours d'eau intermittent ou à sec	
Village or Settlement	Village ou hameau	o	Intermittent lake	Lac intermittent	
Post Office	Bureau de poste	P	Rapids; falls	Rapides; chute	R F
Church	Église		Marsh or Swamp	Marais ou marécage	
School	École		Lighthouse	Phare	
Boundary monument	Borne-frontière	o	Horizontal control point	Point géodésique	△
Airport	Aéroport		Landing ground	Piste d'atterrissage	
Seaplane base	Base d'hydravions		Seaplane anchorage	Amarrage d'hydravions	

STREAM DATA

STATISTICAL AREA 11


Bamford Creek
Lee Creek
Whelakis Creek
N
0
miles
4
Belize Inlet
SEYMOUR PROVINCIAL FOREST
Seymour Inlet
Nugent Sound
Frasser Range
Nicholl Range
Tottenham Range
Conical Range
Florence Range
Mt. Annesley
Mt. Cooper
Allison Harbour
Southgate Group
Harris I.
Wentworth Rk.
Buckle Group
Richards Channel
Ripple Passage
Walker Group
Deserters Group
Gordon Channel
QUEEN CHARLOTTE STRAIT
Drury Inlet
Mt. Bulleck
Mt. Gardiner
Mt. Kerr
Mt. Jolliffe
Mt. Morton
Mt. Wynyard
Farmer Hill
Robinson Range
Ottway Hill
Huaskin Lake
Wells Passage
North Broughton I.
Hopetown
Watson I.
Leading Hill 517'
Taylor Pt.
Aylmer Pt.
Lewis Cove
Kenneth Bay
Boyles Pt.
Vincent I.
Card Pt.
Coast District Range

NAME OF STREAM (Bamford Cr., Lee Cr. & Whelakis Cr.)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH see remarks

POSITION see remarks

LENGTH MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable log jams throughout all creeks. (1975)

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

- Escapements for Bamford, Lee & Whelakis Creeks are combined.
- Bamford Cr. flows E. into Bamford Lag., N. of Bradley Lag., Rge. 1, Coast Dist. 50 127 NE.
- Lee Cr. flows NW. into McKinnon Lag., S. of Seymour Inlet, Rge. 2, Coast Dist. 51 127 SE.
- Whelakis Cr. flows E. into Whelakis Lag., NW. of Drury Inlet, S. side of Nenahlmai Lag., Rge. 1, Coast Dist. 50 127 NE.

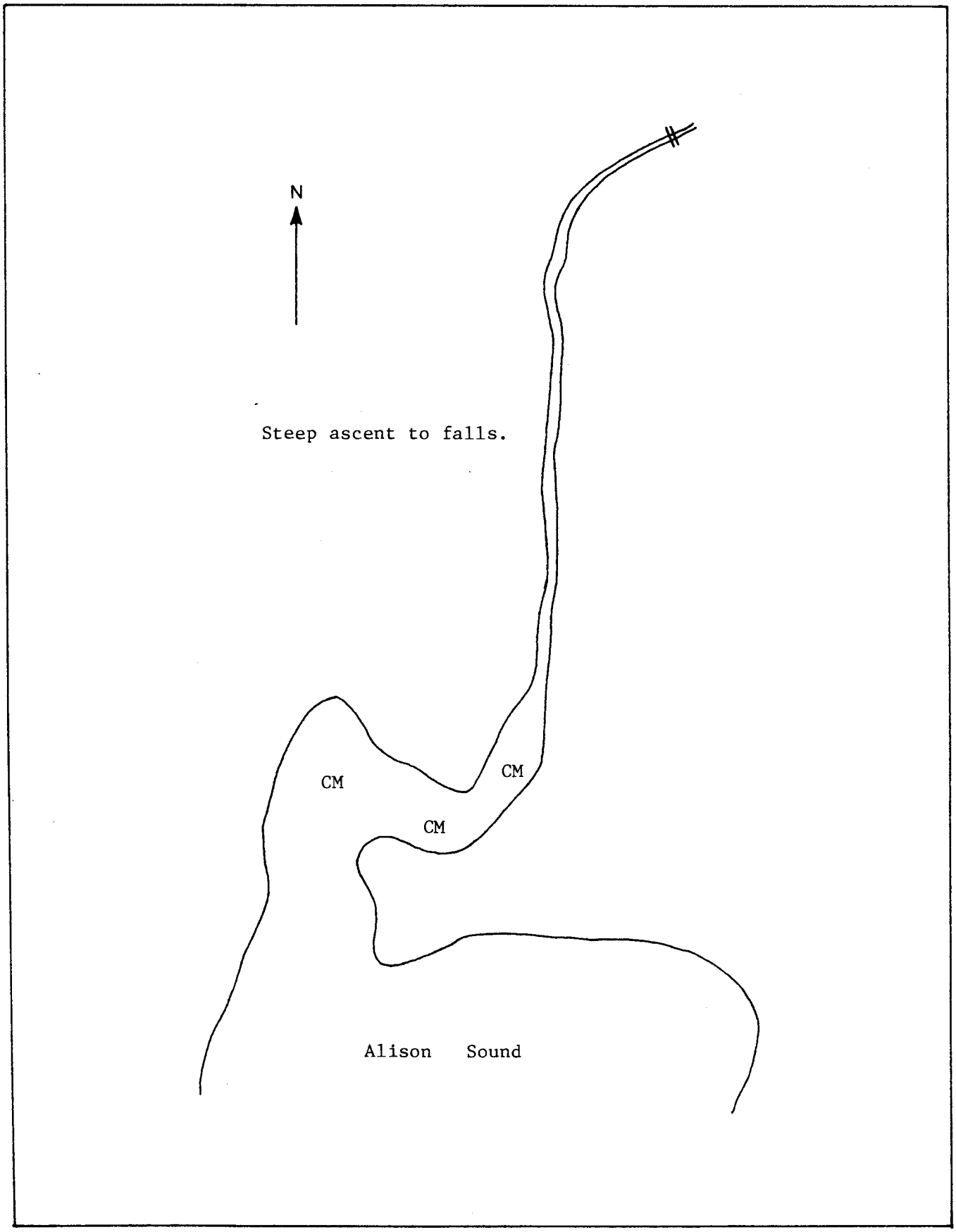
ESCAPEMENT RECORD FOR (Bamford Cr., Lee Cr. & Whelakis Cr.)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			N/O	N/O		
50			N/O	3500		
51			NO	RECORDS		
52			NO	RECORDS		
53			750	1500		
54			25	1500		
55			25	25		
56			750	750		
57			400	750		
58			25	1500		
59			UNK	UNK		
60			200	75		
61			75	75		
62			200	25		
63			200	200		
64			200	200		
65			400	25		
66			75	25		
67			N/O	350		
68			75	200		
69			UNK	UNK		
70			25	200		
71			400	750		
72			20	N/O		
73			30	150		
74			200	2200		
75			70	350		
76	50		90	350		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT		
Start			OCT	SEPT		
Peak			OCT	OCT		
End			DEC	OCT		

REMARKS

- Escapements from 1970-1975 are from Bamford, Lee and Whelakis Creeks. Prior to 1970, escapements are for Bamford and several creeks draining into McKinnon Lagoon not named in spawning reports.

CHIEF NOLLIS CREEK - For topographical map, refer to Rainbow Creek, page 33.



NAME OF STREAM (Chief Nollis Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows SW. into Chief Nollis Bay, N. side of Alison Sd., Rge. 2, Coast Dist. POSITION 51 127 SE.

LENGTH MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT:

FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 1 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 1 mi.
CHUM	to 0.4 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

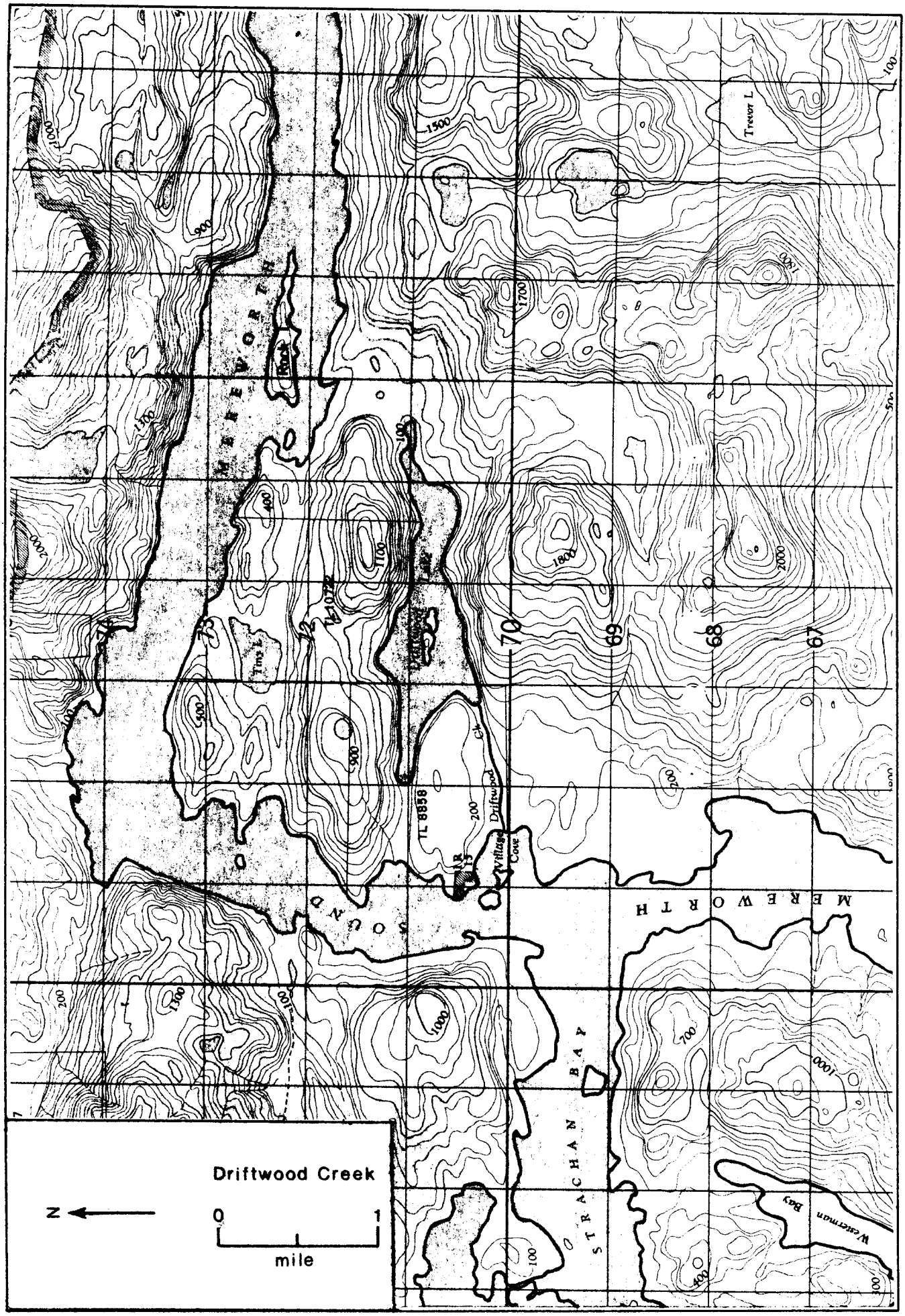
GENERAL REMARKS:

- This stream has good spawning gravel to 0.25 mi. (1957)

ESCAPEMENT RECORD FOR (Chief Nollis Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			200	750		
49			N/O	N/O		
50			UNK	UNK		
51			1500	7500		
52			NO	RECORDS		
53			750	750		
54			1500	1500		
55			200	75		
56			750	750		
57			750	750		
58			400	1500		
59			25	200		
60			200	N/O		
61			200	25		
62			25	25		
63			25	25		
64			200	200		
65			25	N/O		
66			N/O	25		
67			N/O	N/O		
68			N/O	N/O		
69			N/O	N/O		
70			N/O	N/O		
71			N/O	N/O		
72			N/O	N/O		
73			N/O	15		
74			N/O	150		
75			20	40		
76			N/O	45		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.						
Start						
Peak						
End						

REMARKS


Driftwood Creek
N
0
1
mile
MEREWORTH
SOUND
STRACHAN BAY
Trevor L
Tims L
Rock
Driftwood Ck
TL 8858
Village Driftwood Cove
Waterman Bay
70
69
68
67

NAME OF STREAM DRIFTWOOD CREEK (Village Bay Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows W. into Village Cove, Rge. 2, Coast Dist.

POSITION 51 127 SE.

LENGTH 4-5 MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION:

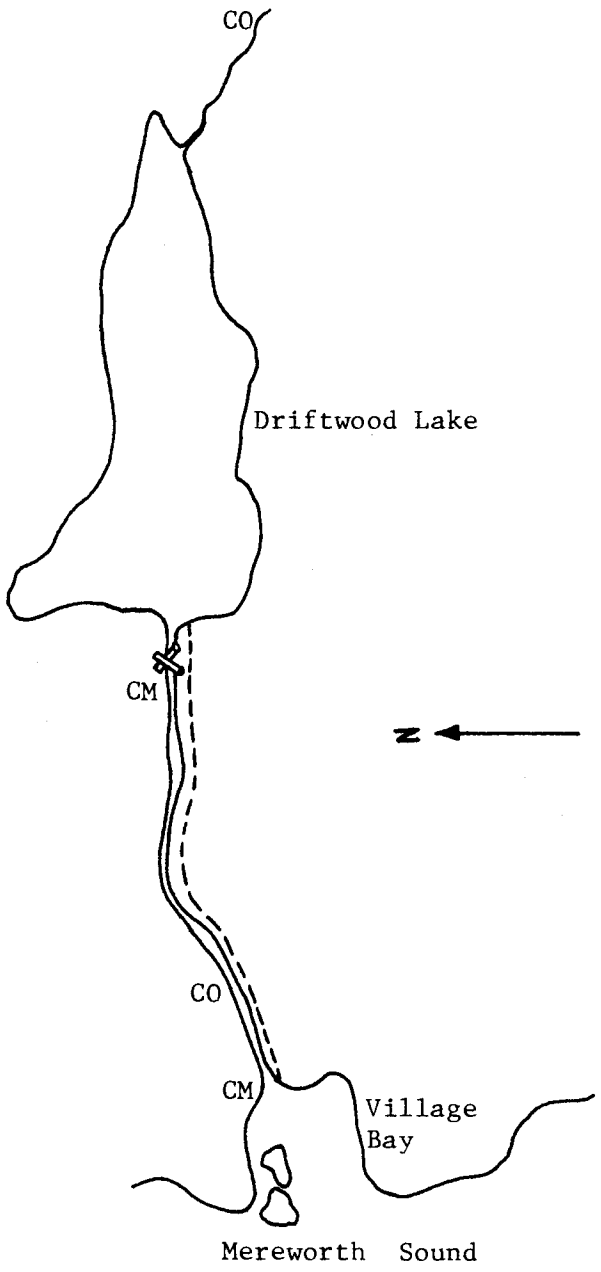
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	throughout
CHUM	to Driftwood Lake (0.75 mi.)
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

- A log jam at the outlet of Driftwood Lake was removed, also a boulder 300 yds. from the mouth which was causing log jams. (1958)
- Log jams are a continual problem in this stream. (1966)
- A large log jam was removed this year from the lake outlet. (1970)
- Log debris has accumulated at the lake outlet again. (1976)

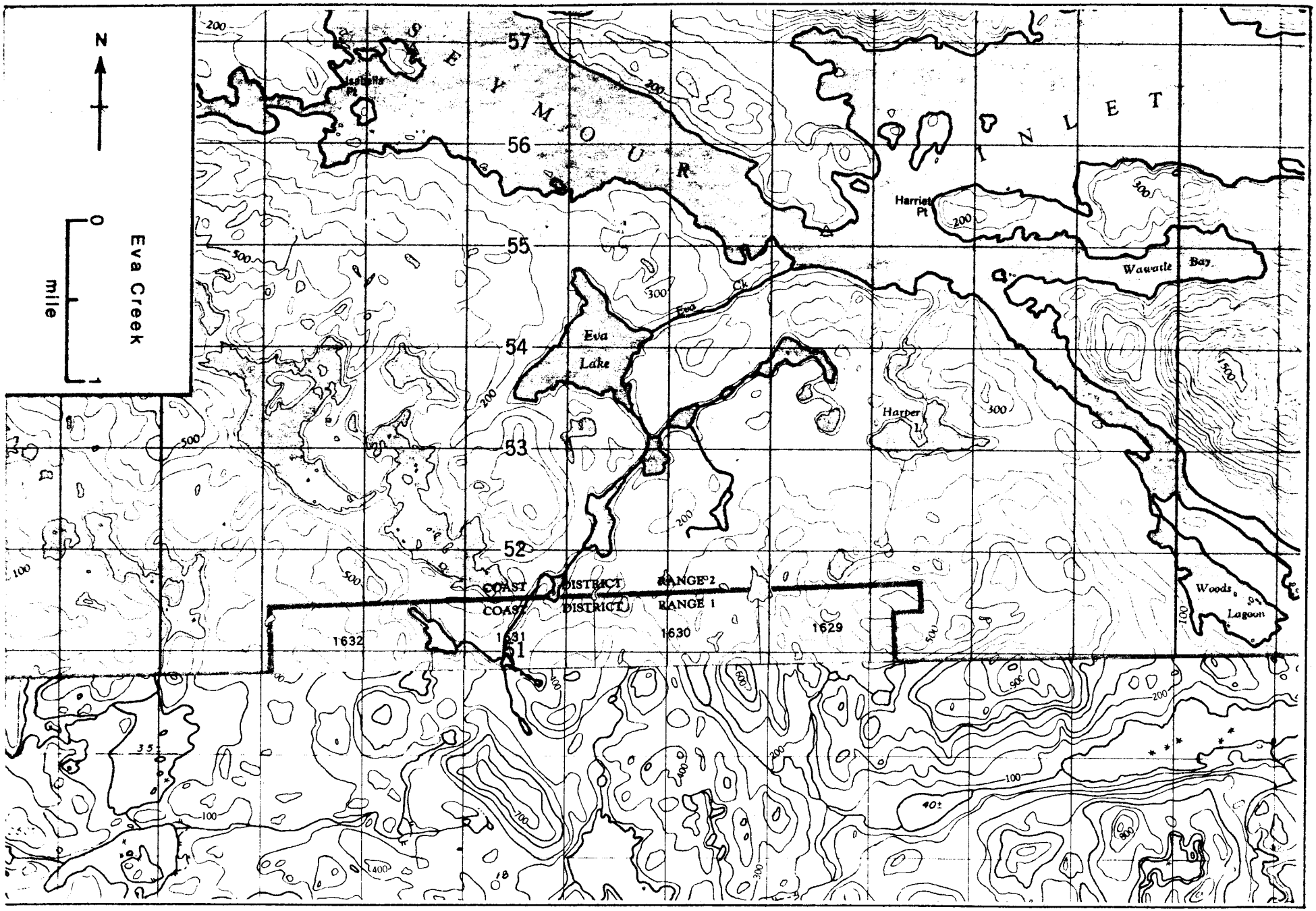
Sketch of Driftwood Creek, 1969



ESCAPEMENT RECORD FOR **DRIFTWOOD CREEK**

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			750	7500		
49			UNK	UNK		
50			1500	3500		
51			750	15000		
52			200	7500		
53			750	1500		
54			750	3500		
55			400	750		
56			750	7500		
57			400	7500		
58			25	3500		
59			75	1500		
60			N/O	200		
61			N/O	25		
62			200	200		
63			400	1500		
64			200	400		
65			1500	200		
66			750	7500		
67			300	8000		
68			75	3500		
69			400	7500		
70			750	7500		
71			400	1500		
72			250	2500		
73			200	7000		
74			250	5500		
75			60	1200		
76			N/O	3000	3	
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT		
Start			OCT	SEPT		
Peak			NOV	OCT		
End			DEC	NOV		

REMARKS


N
0
mile
1
Eva Creek
SEYMOUR
INLET
Harriet Pt
Wawatte Bay
Eva Lake
Eva Clk
Harper L
Woods Lagoon
57
56
55
54
53
52
51
COAST DISTRICT
RANGE 2
COAST DISTRICT
RANGE 1
1632
1631
1630
1629
200
300
500
100
400
600
700
800
1500
40±

NAME OF STREAM EVA CREEK

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows NE. into Seymour Inlet, W. of Woods Lag., Rge. 2, Coast Dist. POSITION 51 127 SE.

LENGTH MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT:

FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable falls at 0.75 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	throughout
CHUM	lower 1 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

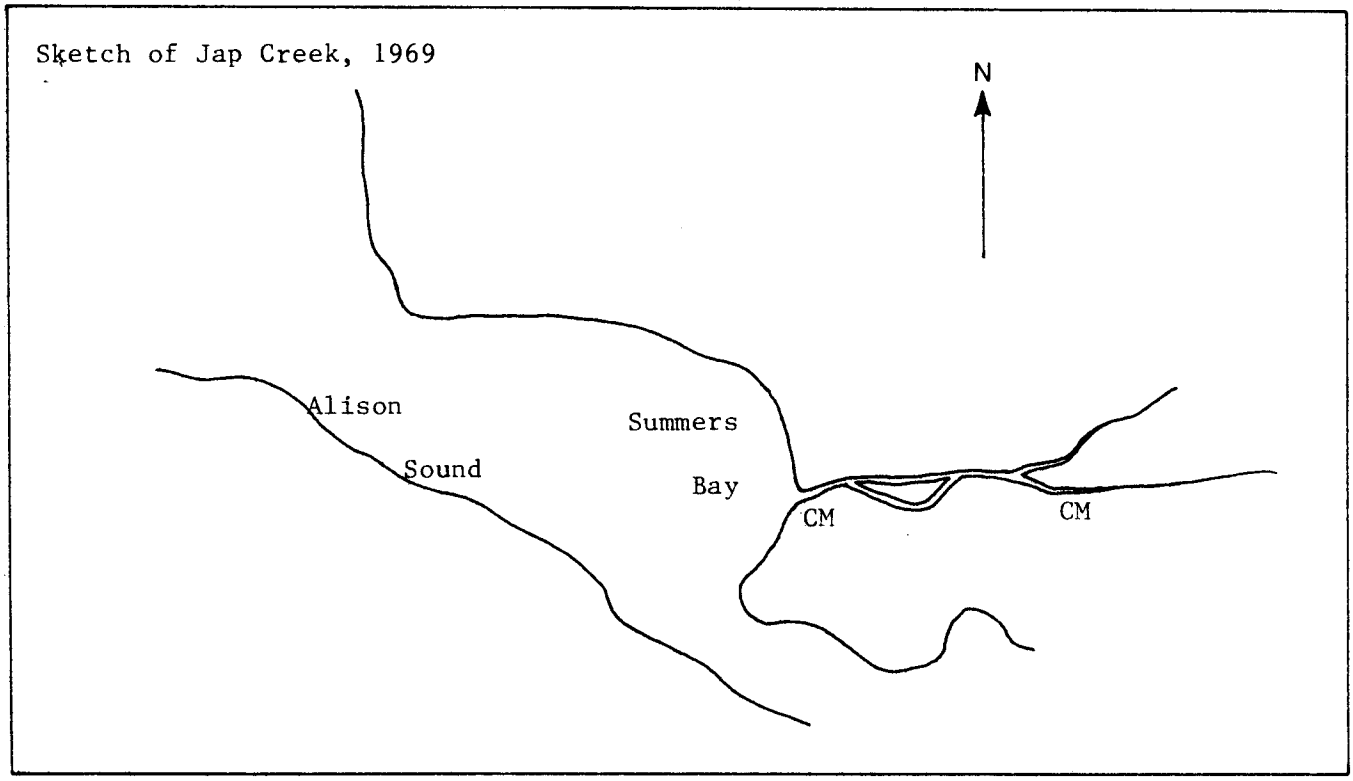
- A log jam at 0.75 mi. was removed. (1970)
- This stream should be capable of producing more coho. (1971)

ESCAPEMENT RECORD FOR **EVA CREEK**

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			NO	RECORDS		
50			NO	RECORDS		
51			NO	RECORDS		
52			NO	RECORDS		
53			1500	750		
54			1500	1500		
55			400	400		
56			750	750		
57			400	750		
58			400	750		
59			N/O	N/O		
60			N/O	N/O		
61			N/O	N/O		
62			N/O	N/O		
63			200	N/O		
64			200	N/O		
65			750	N/O		
66			75	N/O		
67			150	N/O		
68			200	N/O		
69			75	1500		
70			400	1500		
71			400	400		
72			20	N/O		
73			N/O	25		
74			60	600		
75			85	350		
76			60	600		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT		
Start			L SEPT	SEPT		
Peak			OCT	E OCT		
End			NOV	OCT		

REMARKS

JAP CREEK - For topographical map, refer to Waump Creek & Alison River, page 57.



NAME OF STREAM (Jap Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows W. and SW. into Summers Bay, N. side of Alison Sd., Rge. 2, Coast Dist. POSITION 51 127 SE.

LENGTH 1.0 MI. WIDTH _____ FT. DRAINAGE _____ SQ. MI.

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA _____ SQ. YD. SPAWNING AREA _____ SQ. YD.

DISCHARGE _____ CFS MAX _____ MIN _____

TEMPERATURE _____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable series of falls at 1.0 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 1 mi.
CHUM	to 1 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

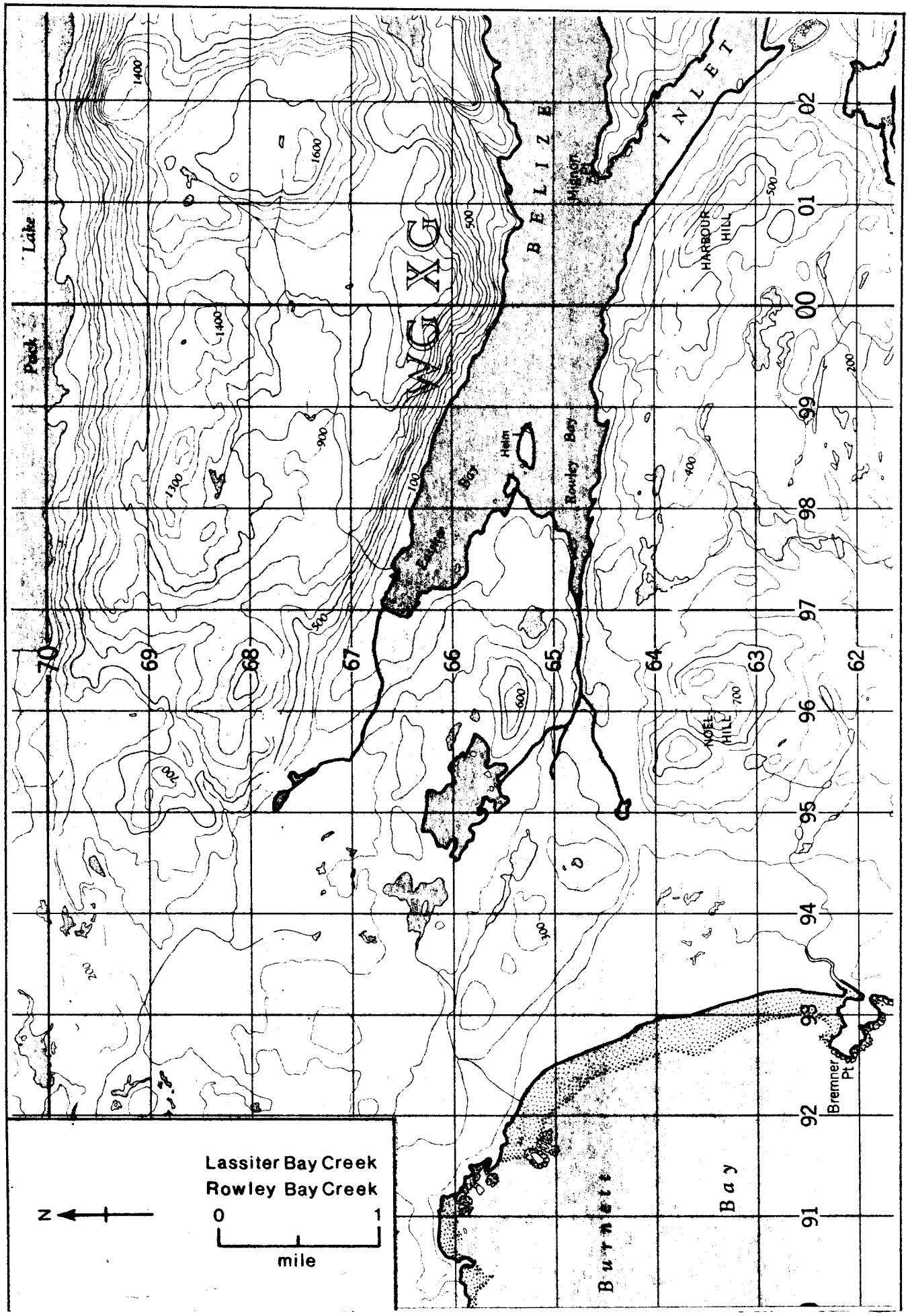
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

ESCAPEMENT RECORD FOR _____ (Jap Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			N/O	N/O		
50			NO	RECORDS		
51			NO	RECORDS		
52			NO	RECORDS		
53			N/O	25		
54			N/O	1500		
55			N/O	25		
56			N/O	75		
57			N/O	25		
58			N/O	3500		
59			UNK	UNK		
60			N/O	N/O		
61			N/O	N/O		
62			N/O	400		
63			N/O	25		
64			25	750		
65			N/O	25		
66			N/O	750		
67			75	3000		
68			N/O	3500		
69			N/O	1500		
70			75	3500		
71			75	1500		
72			70	4500		
73			20	20000		
74			300	5000		
75			20	250		
76			N/O	325		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT		
Start			OCT	SEPT		
Peak			NOV	OCT		
End			DEC	OCT		

REMARKS _____


Lassiter Bay Creek
Rowley Bay Creek
N
0
1
mile
BELIZE
INLET
Bay
Burnell
Bremner Pt
HARBOUR HILL
NOEL HILL
Rowley Bay
Lassiter Bay
Hidden Pt
Lake
Park

NAME OF STREAM (Lassiter Bay Creek & Rowley Bay Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows SE. and E. respectively into Belize Inlet, Rge. 2, Coast Dist. POSITION 51 127 SW.

LENGTH _____ MI. WIDTH _____ FT. DRAINAGE _____ SQ. MI.

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA _____ SQ. YD. SPAWNING AREA _____ SQ. YD.

DISCHARGE _____ CFS MAX _____ MIN _____

TEMPERATURE _____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Passable log jams at mouths. (1976)

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

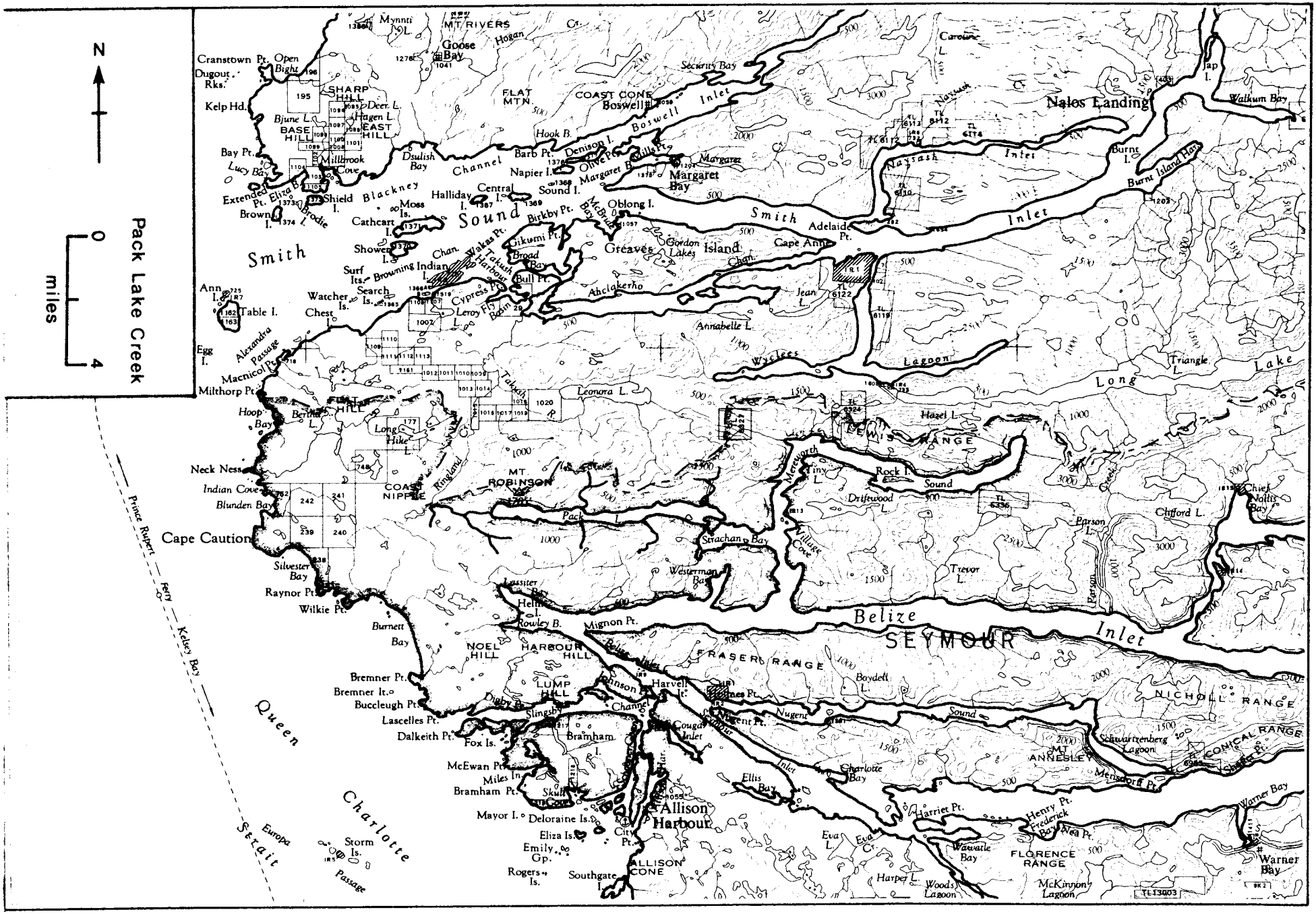
GENERAL REMARKS:

- Escapements for Lassiter Bay & Rowley Bay Creeks are combined.
- Small log jams were removed in Lassiter Bay Creek. (1964)

ESCAPEMENT RECORD FOR (Lassiter Bay Creek & Rowley Bay Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			UNK	UNK		
50			NO	RECORDS		
51			NO	RECORDS		
52			NO	RECORDS		
53			25	25		
54			25	200		
55			UNK	UNK		
56			25	75		
57			N/O	N/O		
58			N/O	N/O		
59			UNK	UNK		
60			N/O	N/O		
61			N/O	N/O		
62			N/O	N/O		
63			N/O	N/O		
64			25	25		
65			N/O	N/O		
66			25	N/O		
67			N/O	N/O		
68			UNK	UNK		
69			NO	RECORDS		
70			N/O	N/O		
71			75	200		
72			N/O	N/O		
73			N/O	N/O		
74			N/O	N/O		
75			15	N/O		
76			N/O	N/O		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.						
Start						
Peak						
End						

REMARKS


N
0
4
miles
Pack Lake Creek
Prince Rupert — Ferry — Kelsey Bay
Cranstown Pt.
Open Bight
Dugout Rks.
Kelp Hd.
Bay Pt.
Lucy Bay
Extended Pt.
Eliza B.
Brown I.
Brodie I.
Shield I.
Blackney Passage
Moss Is.
Cathcart I.
Shower I.
Ann I.
Table I.
Egg I.
Alexandra Passage
Macnicol Pt.
Milthorp Pt.
Hoop Bay
Neck Ness
Indian Cove
Blunden Bay
Cape Caution
Silvester Bay
Raynor Pt.
Wilkie Pt.
Burnett Bay
Bremner Pt.
Bremner It.
Buccleugh Pt.
Lascelles Pt.
Dalkeith Pt.
McEwan Pt.
Miles In.
Bramham Pt.
Mayor I.
Deloraine Is.
Eliza Is.
Emily Gp.
Rogers Is.
Storm Is.
Europa Passage
Queen Charlotte Strait
Goose Bay
MT. RIVERS
Hogan Cr.
Mynnti Pt.
SHARP HILL
FLAT MTN.
COAST CONE
Boswell Inlet
Security Bay
Carrow L.
Nalos Landing
Jap I.
Walkum Bay
Deer L.
Hagen L.
BASE HILL
EAST HILL
Milbrook Cove
Dsulish Bay
Channel
Hook B.
Barb Pt.
Denison I.
Napier I.
Olive Pt.
Margaret Bay
Mills Pt.
Margaret
Naysash Inlet
Burnt I.
Burnt Island Pass
Halliday I.
Central I.
Sound I.
Oblong I.
Birkby Pt.
McBride Bay
Sound
Smith Inlet
Adelaide Pt.
Cape Anne
Greaves Island
Gordon Lakes
Chan.
Dikumi Pt.
Broad Bay
Wakas Pt.
Takush Harbour
Chan.
Surf Its.
Browning Indian I.
Watcher Is.
Search Is.
Chest I.
Cypress Pt.
Leroy Bay
Bull Pt.
Athclakerho
Jean L.
Annabelle L.
Wyclees Lagoon
Triangle L.
Long Lake
Leonora L.
Takush R.
Hazel L.
LEWIS RANGE
Rock I.
Sound
Tiny L.
Mereworth Creek
Driftwood L.
Clifford L.
Parson L.
Chief Jolitis Bay
Pack L.
Strachan Bay
Village Cove
Trevor L.
Parson Creek
Westerman Bay
Lassiter Bay
Rowley B.
Mignon Pt.
Belize Inlet
SEYMOUR
FRASER RANGE
Boydell L.
NICHOLL RANGE
CONICAL RANGE
Schwartzenberg Lagoon
MT. ANNESLEY
Mensforth Pt.
Warner Bay
NOEL HILL
HARBOUR HILL
LUMP HILL
Johnson I.
Harvell It.
Jones Pt.
Channel
Digby B.
Slingsby
Nugent Sound
Cougar Inlet
Bramham I.
Fox Is.
Skull Cove
Allison Harbour
City Pt.
ALLISON CONE
Ellis Bay
Charlotte Bay
Harriet Pt.
Henry Pt.
Frederick Bay
Nea Pt.
Eva L.
Eva Cr.
Wawatle Bay
FLORENCE RANGE
Harper L.
Woods Lagoon
McKinnon Lagoon
Southgate I.
TE-13003

NAME OF STREAM (Pack Lake Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows SE. into Strachan Bay, N. of Belize Inlet, Rge. 2, Coast Dist. POSITION 51 127 SW.

LENGTH_____MI. WIDTH_____FT. DRAINAGE_____SQ. MI.

COMPOSITION: BEDROCK_____ BOULDER_____ COARSE_____ FINE_____

SILT & SAND_____ UNCLASSIFIED_____

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA_____SQ. YD. SPAWNING AREA_____SQ. YD.

DISCHARGE_____CFS MAX_____MIN_____

TEMPERATURE_____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable cascades at 2 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 2 mi.
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

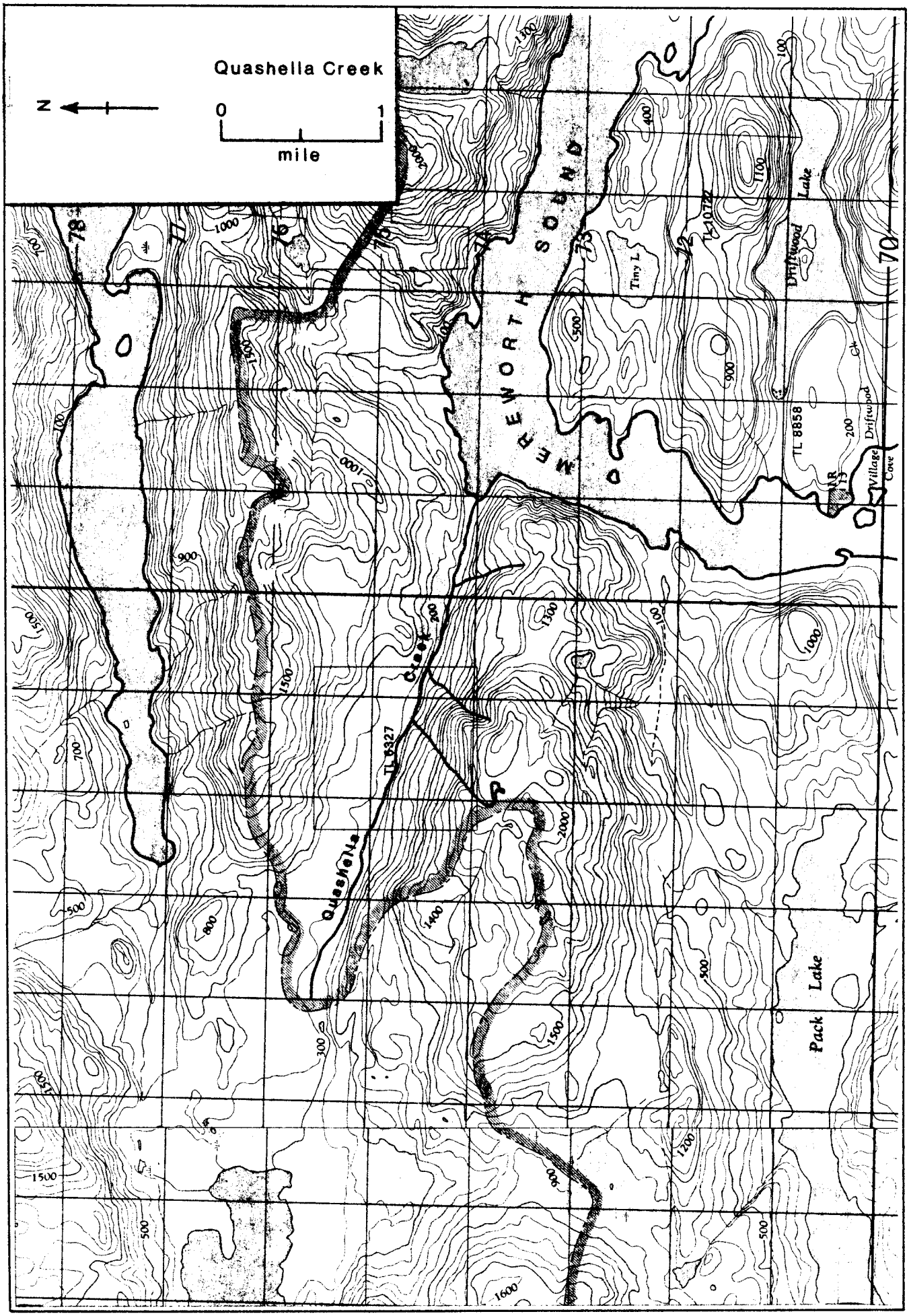
GENERAL REMARKS:

- An impassable log jam at 0.5 mi. was removed. (1967)

ESCAPEMENT RECORD FOR (Pack Lake Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48						
49			NO RECORDS FOR 1948 - 1950			
50						
51			1500	3500		
52			3500	15000		
53			3500	3500		
54			1500	3500		
55			UNK	UNK		
56			3500	1500		
57			1500	1500		
58			750	1500		
59			750	3500		
60			N/O	N/O		
61			UNK	UNK		
62			N/O	25		
63			N/O	25		
64			75	200		
65			N/O	N/O		
66			25	N/O		
67			N/O	N/O		
68			N/O	N/O	25	
69			200	200		
70			25	N/O		
71			25	N/O		
72			N/O	N/O		
73			UNK	UNK		
74			10	N/O		
75			N/O	N/O		
76			UNK	UNK		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT			
Start			SEPT			
Peak			OCT			
End			OCT			

REMARKS


Quashella Creek
N
0
1
mile
REWORTH SOUND
Quashella Creek
TL 8327
TL 8858
Tiny L
Driftwood Lake
Pack Lake
Village Cove
Driftwood
78
77
76
75
74
73
72
70

NAME OF STREAM (Quashella Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows E. into Mereworth Sd., N. of Belize Inlet, Rge. 2, Coast Dist. POSITION 50 127 SE.

LENGTH 5.0 MI. WIDTH _____ FT. DRAINAGE _____ SQ. MI.

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA _____ SQ. YD. SPAWNING AREA _____ SQ. YD.

DISCHARGE _____ CFS MAX _____ MIN _____

TEMPERATURE _____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable cascades to chum at 2 mi., passable to coho.
- Impassable canyon at 6 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 5 mi.
CHUM	to 2 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

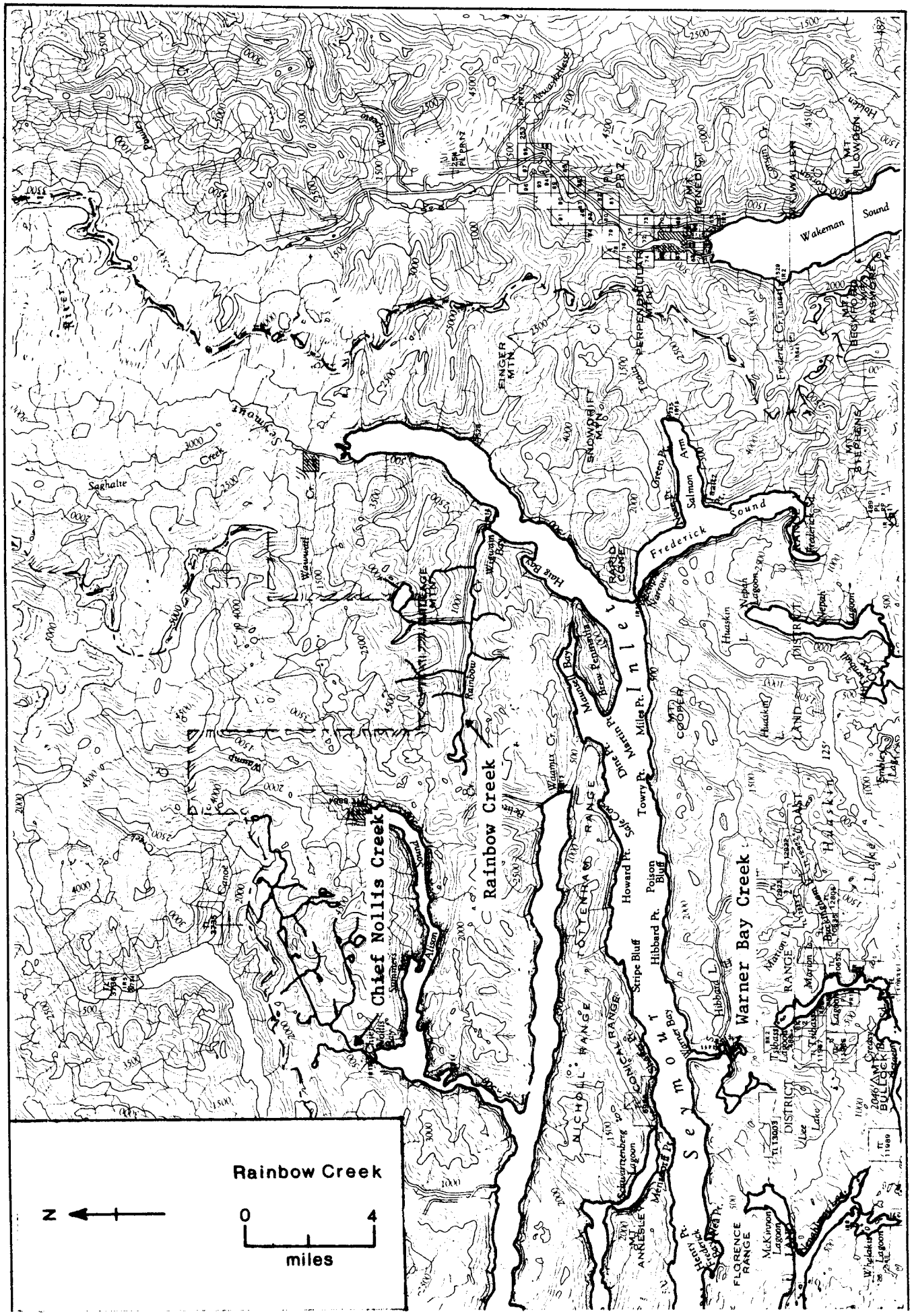
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

ESCAPEMENT RECORD FOR (Quashella Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			N/O	1500		
49			N/O	3000		
50			N/O	7500		
51			750	400		
52			2	N/O		
53			200	750		
54			750	1500		
55			UNK	UNK		
56			N/O	200		
57			400	400		
58			25	1500		
59			25	750		
60			25	200		
61			N/O	N/O		
62			N/O	N/O		
63			25	N/O		
64			25	200		
65			N/O	25		
66			25	400		
67			N/O	400		
68			N/O	200		
69			400	1500		
70			750	1500		
71			400	400		
72			N/O	N/O		
73			150	400		
74			125	900		
75			N/O	10		
76			N/O	N/O		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	AUG		
Start			SEPT	SEPT		
Peak			OCT	SEPT		
End			NOV	OCT		

REMARKS


Rainbow Creek
N
0
4
miles
Chief Nollis Creek
Rainbow Creek
Warner Bay Creek
Wakeman Sound
Frederick Sound
Seymour Inlet
Nichol Range
Florence Range
Marion Range
Coast Range
Haskin Lake
Mt. Cooper
Mt. Stephens
Mt. Bullock
Mt. Walter
Mt. Flowden
Snowdrift Mtn.
Finger Mtn.
Perpendicular Mtn.
Mt. Kennedy
Mt. Anneslie
Saghalie Creek
Saghalie
Canoe
Howard Pt.
Poison Bluff
Stripe Bluff
Hibbard Pt.
Towry Pt.
Mile Pt.
Green Pt.
Salmon Arm
Hibbard L.
Marion L.
Haskin L.
Lake Bay
Warwick Bay
Rainbow
Alison
Summers
Schwartzenberg Lagoon
McKinnon Lagoon
Nephah Lagoon
Frederick Arm
Frederick Cr.
Warwick Cr.
Saghalie Cr.
Rainbow Cr.
Alison Cr.
Summers Cr.
Canoe Cr.
Frederick Cr.
Mt. Kennedy
Mt. Walter
Mt. Flowden
Mt. Stephens
Mt. Bullock
Mt. Anneslie
Mt. Cooper
Finger Mtn.
Snowdrift Mtn.
Perpendicular Mtn.
Saghalie Creek
Saghalie
Canoe
Howard Pt.
Poison Bluff
Stripe Bluff
Hibbard Pt.
Towry Pt.
Mile Pt.
Green Pt.
Salmon Arm
Hibbard L.
Marion L.
Haskin L.
Lake Bay
Warwick Bay
Rainbow
Alison
Summers
Schwartzenberg Lagoon
McKinnon Lagoon
Nephah Lagoon
Frederick Arm
Frederick Cr.
Warwick Cr.
Saghalie Cr.
Rainbow Cr.
Alison Cr.
Summers Cr.
Canoe Cr.

NAME OF STREAM RAINBOW CREEK

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows E. into Wigwam Bay, Rge. 2, Coast Dist.

POSITION 51 126 SW.

LENGTH 5.0 MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT:

FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 4-5 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 4-5 mi.
CHUM	to 2 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	to 4-5 mi.

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

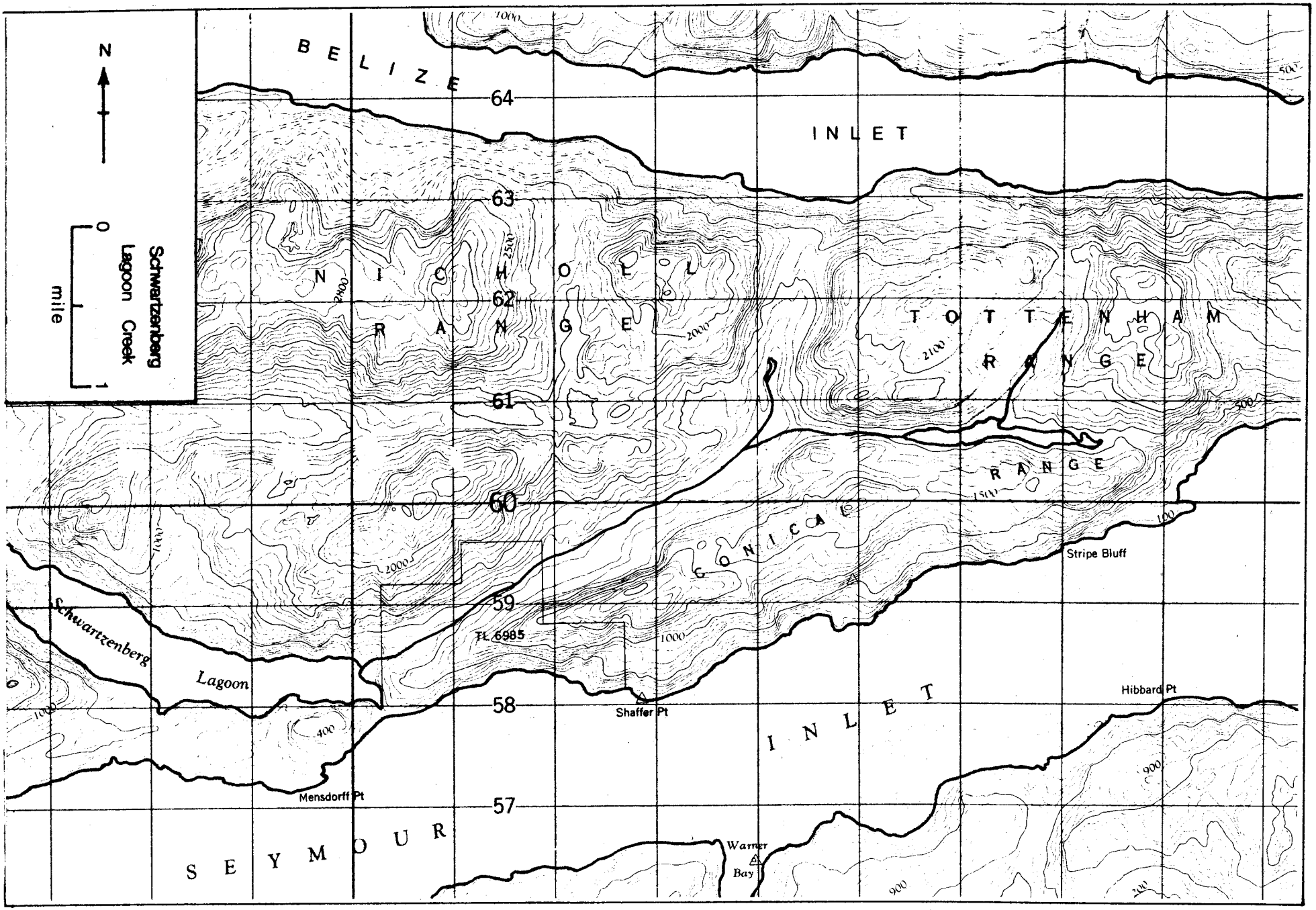
GENERAL REMARKS:

- This stream is very unstable at the lower end. (1966)
- As a result of previous logging, freshets are common. (1974)

ESCAPEMENT RECORD FOR RAINBOW CREEK

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			N/O	N/O		
50			N/O	N/O		
51			400	750		
52			NO	RECORDS		
53			200	400		
54			200	750		
55			400	3500		UNK
56			200	400		
57			750	400		
58			1500	1500		
59			400	400		
60			25	25		
61			25	200	25	
62			25	75		
63			400	750		
64			400	750		UNK
65			400	75		
66			750	1500		
67			300	800		UNK
68			400	400		
69			400	1500	25	
70			1500	3500	200	400
71			400	200	25	400
72			N/O	700	N/O	
73			250	350	N/O	
74			175	1600	N/O	
75			40	250	N/O	
76			25	65	N/O	
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT	AUG	
Start			OCT	SEPT	SEPT	
Peak			NOV	OCT	SEPT	
End			DEC	OCT	OCT	

REMARKS


N
0
mile
1
Schwartzenberg Lagoon Creek
BELIZE
INLET
NICHOLL
RANGE
TOTTENHAM
RANGE
RANGE
GONICA
Stripe Bluff
Schwartzenberg
Lagoon
TL 6985
Shaffer Pt
Hibbard Pt
Mensdorff Pt
SEYMOUR
INLET
Warner
Bay
64
63
62
61
60
59
58
57

NAME OF STREAM _____ (Schwartzenberg Lagoon Creek, Nugent Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows SW. into Schwartzenberg Lag., N. of Seymour Inlet, Rge. 2, Coast Dist. POSITION 51 127 SE.

LENGTH 0.75 MI. WIDTH _____ FT. DRAINAGE _____ SQ. MI.

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

GRADIENT:

FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA _____ SQ. YD. SPAWNING AREA _____ SQ. YD.

DISCHARGE _____ CFS MAX _____ MIN _____

TEMPERATURE _____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 0.75 mi.

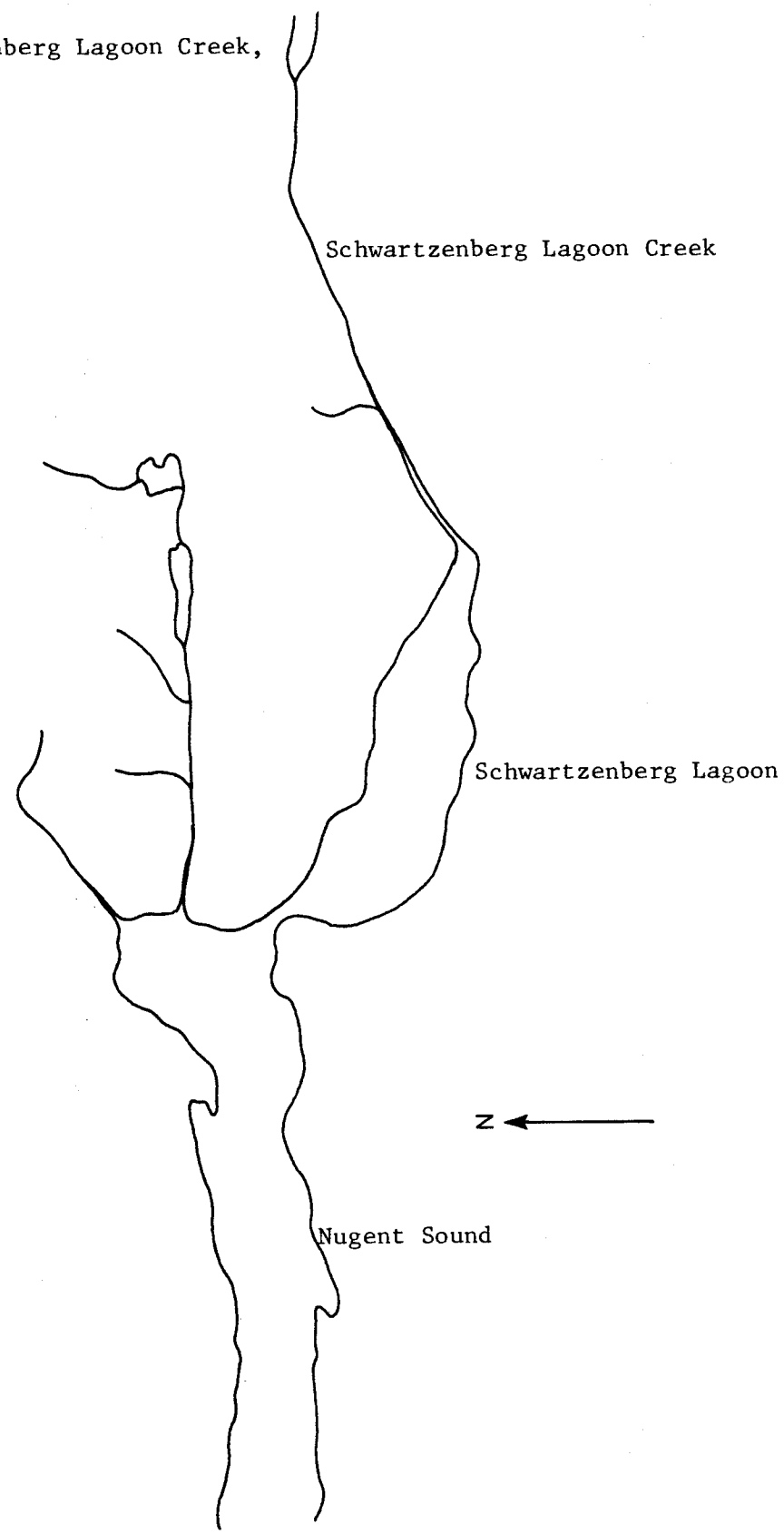
SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 0.75 mi.
CHUM	to 0.75 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

Sketch of Schwartzenberg Lagoon Creek, 1976

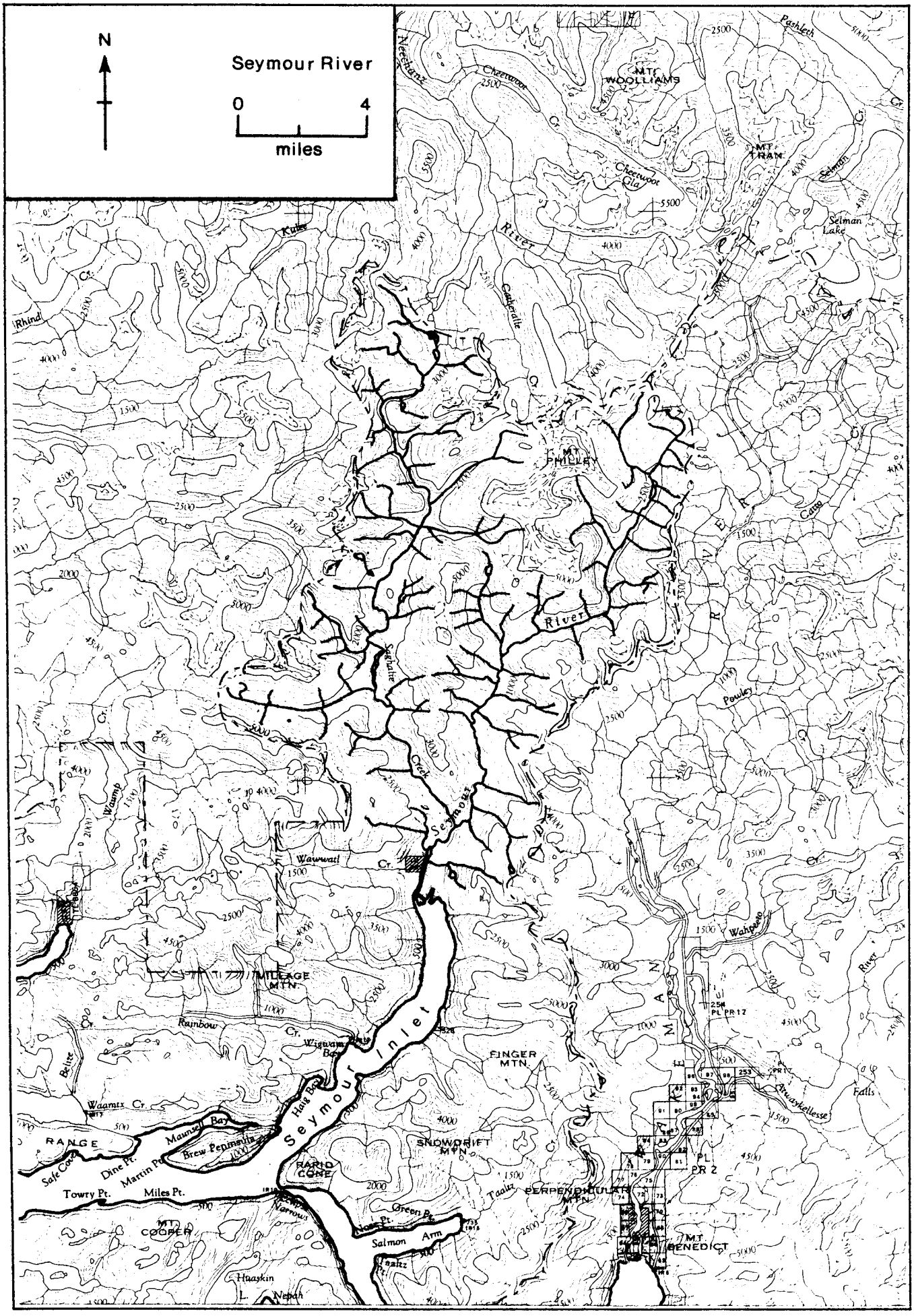


ESCAPEMENT RECORD FOR (Schwartzenberg Lagoon Creek, Nugent Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48						
49						
50			NO RECORDS	FROM 1948-1952		
51						
52						
53			UNK	UNK		
54			UNK	UNK		
55			N/O	75		
56			N/O	75		
57			N/O	75		
58			N/O	75		
59			UNK	UNK		
60			N/O	N/O		
61			N/O	N/O		
62			N/O	N/O		
63			N/O	N/O		
64			N/O	N/O		
65			N/O	N/O		
66			N/O	N/O		
67			UNK	UNK		
68			UNK	UNK		
69			UNK	UNK		
70			UNK	UNK		
71			25	25		
72			UNK	UNK		
73			N/O	N/O		
74			N/O	N/O		
75			N/O	N/O		
76			N/O	N/O		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.						
Start Peak						
End						

REMARKS

- There is some confusion on escapement records regarding the identification of Schwartzenberg Lagoon Creek. In early and recent years escapements are given properly for Schwartzenberg Lagoon Creek. In intervening years apparently escapements were recorded for other streams in this area.


N
Seymour River
0
4
miles
Seymour Inlet
Mt. Woolliams
Mt. Tran
Selman Lake
Mt. Phillips
Seymour River
Wawuwat Cr.
Village Mtn.
Rainbow Cr.
Wigwam Bay
Finger Mtn.
Snowdrift Mtn.
Perpendicular Mtn.
Mt. Benedict
Mt. Cooper
Range
Towry Pt.
Miles Pt.
Green Pt.
Salmon Arm
Haaskin L.
Nepah
Falls

NAME OF STREAM SEYMOUR RIVER

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows S. into head of Seymour Inlet, Rge. 2, Coast Dist.

POSITION 51 126 SW.

LENGTH 2.0 MI. WIDTH FT. DRAINAGE 311 SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE 1212 CFS MAX 9650 cfs 11/06/72 MIN 116 cfs 11/02/73

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2 mi. (series of falls and cataracts for ½ mi.)

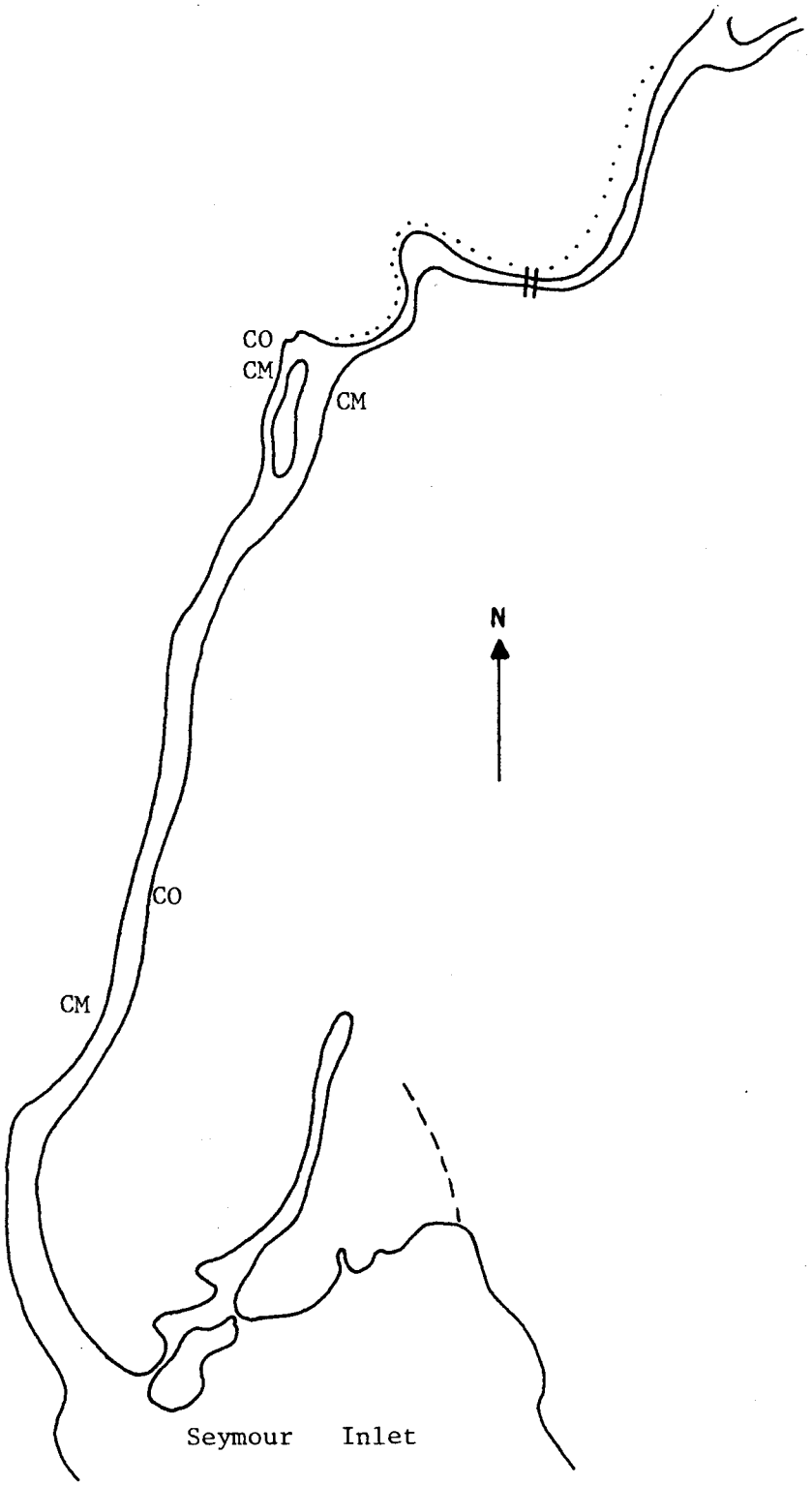
SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	lower 2 mi. and tributaries
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

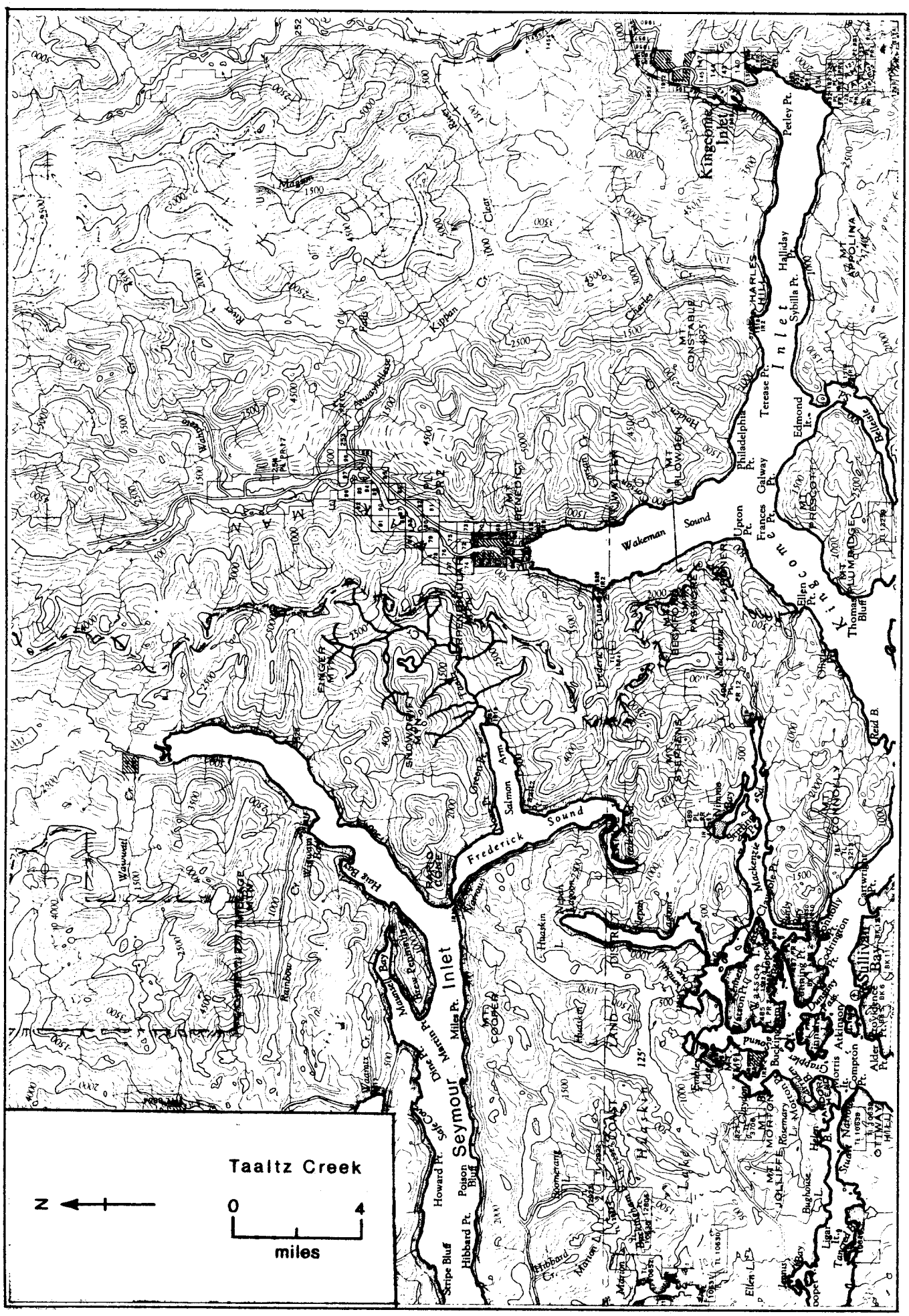
Sketch of Seymour River, 1969
(spawning grounds)



ESCAPEMENT RECORD FOR SEYMOUR RIVER

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK	UNK	
48			N/O	N/O		
49			1000	500		
50			1000	2500		
51			1500	3500		
52			N/O	35000		
53			1500	750		
54			1500	7500		
55			3500	7500		
56			1500	7500		
57			1500	1500		
58			3500	7500		
59			1500	3500		
60			200	3500		
61			1500	3500		
62			750	3500		
63			1500	3500+		
64			3500	7500		UNK
65			3500	3500		UNK
66			400	750		
67			750	2000		UNK
68			3500	3500		UNK
69			NO	RECORDS		
70			3500	3500		1500
71			1500	2250		1500
72			350	700		
73			1200	6000		
74			900	6500		
75			450	4500		
76			1400	450		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			E SEPT	AUG		
Start			L SEPT	SEPT		
Peak			OCT	SEPT		
End			DEC	OCT		

REMARKS


Taaltz Creek
N
0
4
miles
Seymour Inlet
Frederick Sound
Salmon Arm
Wakeman Sound
Kingcome Inlet
Tribune Channel
Mount Elcho
Mount Stephens
Mount Cooper
Mount Morton
Mount Jolliffe
Mount Constable
Mount Flower
Mount Fenwick
Mount Scott
Mount Jumbridge
Mount Apoolina
Elmore Mtn.
Snowpatch Mtn.
Mount Walbran
Mount Wagner
Mount Mayson
Mount Charles
Mount Harles
Mount Hall
Mount Ottaway
Mount Sullivan
Mount Compton
Mount Atkinson
Mount Morris
Mount Connolly
Mount Mackenzie
Mount Buckingham
Mount Rosemary
Mount Hibbard
Mount Marion
Mount Tyson
Mount Wadsworth
Mount Wilson
Mount Hall
Mount Ellen
Mount Howard
Mount Poison
Mount Hibbard
Howard Pt.
Poison Bluff
Hibbard Pt.
Stripe Bluff
Miles Pt.
Green Pt.
Huaskin
Nigei I.
Mackenzie Pt.
Philadelphia Pt.
Terease Pt.
Sybilla Pt.
Halliday Pt.
Petley Pt.
Edmond Pt.
Bellaire
Upton Pt.
Frances Pt.
Galway Pt.
Ellen Pt.
Thomas Bluff
Read B.
Rainbow Mtn.
Rainbow Creek
Wagner Creek
Wakeman River
Kipkan Creek
Charles Creek
Hudson Creek
Fenwick Creek
Wadsworth Creek
Hibbard Creek
Marion Creek
Tyson Creek
Wilson Creek
Ellen Lake
Rosemary Lake
Buchanan Lake
Bughouse Lake
Lagoon Bay
Tangle Bay
Sullivan Bay
Alder Pt.
Compton Pt.
Morris Pt.
Atkinson Pt.
Connolly Pt.
Mackenzie Pt.
Buckingham Pt.
Rodrington Pt.
Cramer Pt.
Cramer Creek
Mount Elcho
Mount Stephens
Mount Cooper
Mount Morton
Mount Jolliffe
Mount Constable
Mount Flower
Mount Fenwick
Mount Scott
Mount Jumbridge
Mount Apoolina
Elmore Mtn.
Snowpatch Mtn.
Mount Walbran
Mount Wagner
Mount Mayson
Mount Charles
Mount Harles
Mount Hall
Mount Ottaway
Mount Sullivan
Mount Compton
Mount Atkinson
Mount Morris
Mount Connolly
Mount Mackenzie
Mount Buckingham
Mount Rosemary
Mount Hibbard
Mount Marion
Mount Tyson
Mount Wadsworth
Mount Wilson
Mount Hall
Mount Ellen
Mount Howard
Mount Poison
Mount Hibbard

NAME OF STREAM TAALTZ CREEK (Salmon River)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows S. into Salmon Arm, Rge. 2, Coast Dist.

POSITION 51 126 SW.

LENGTH 4-6 MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 4-6 mi. These falls may be passable to coho since coho fry were observed above them in 1971.

SPAWNING DISTRIBUTION:

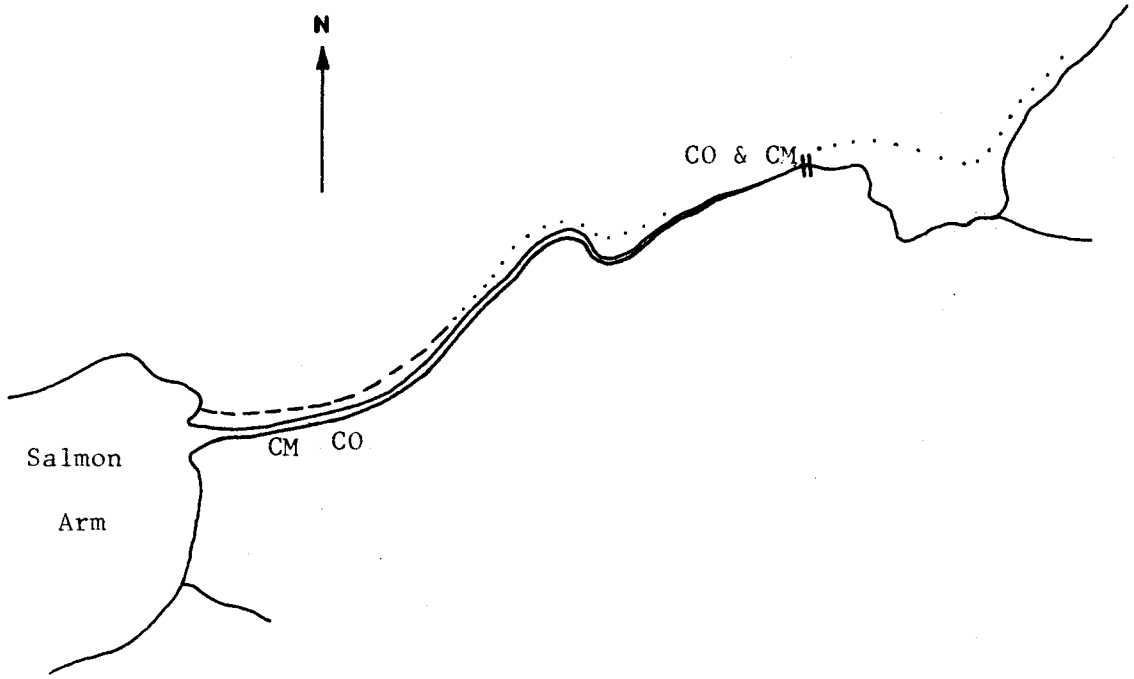
SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 4-6 mi.
CHUM	to 4-6 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

- High water conditions changed the rivers course around two obstructions. (1952)
- The lower portion of this stream is unstable. (1957)
- Flooding and course changes will seriously affect egg survival this year. (1967)
- This stream is still subject to freshet conditions. (1972)

Sketch of Taaltz Creek, 1968
(spawning grounds)

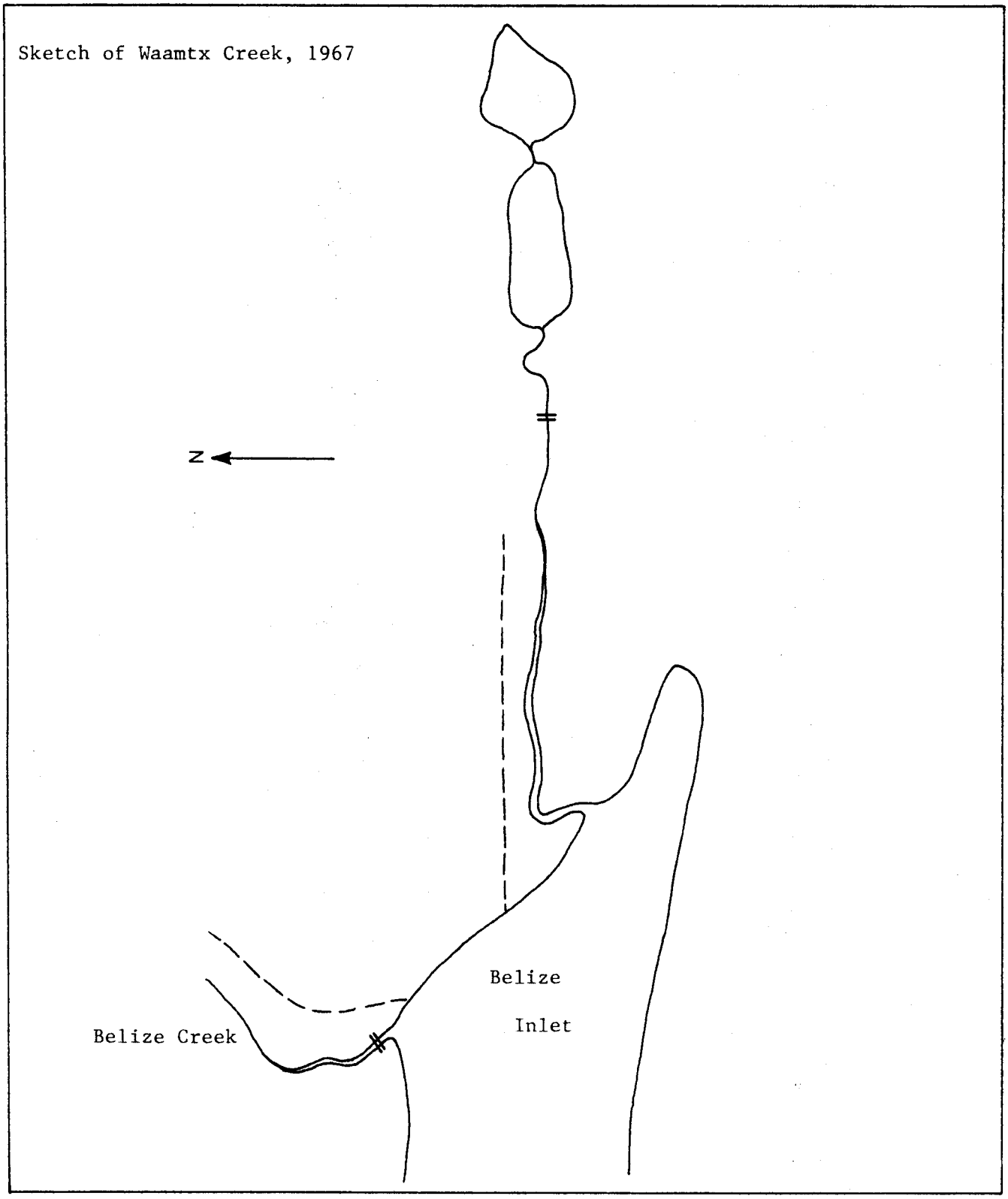


ESCAPEMENT RECORD FOR TAALTZ CREEK (Salmon River)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			1500	3500		
49			600	400		
50			3500	7500		
51			3500	3500		
52			3500	7500		
53			3500	15000		
54			15000	15000		
55			15000	15000		
56			7500	15000		
57			3500	15000		
58			7500	15000		
59			1500	15000		
60			1500	3500		
61			1500	15000		
62			3500	7500		
63			1500	7500+		
64			3500	15000		
65			3500	7500		
66			3500	15000		
67			3500	35000		
68			1500	20000		
69			400	7500		
70			750	15000		1500
71			750	7500		750
72			400	3000		
73			350	12000		
74			600	16000		
75			350	6000		
76			75	4200		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.						
Start Peak						
End						

REMARKS

WAAMTX CREEK - For topographical map, refer to Waump Creek & Alison River, page 57.



NAME OF STREAM WAAMTX CREEK (Belize Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows W. into head of Belize Inlet, Rge. 2, Coast Dist.

POSITION 50 126 SW.

LENGTH 2.0 MI. WIDTH _____ FT. DRAINAGE _____ SQ. MI.

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA _____ SQ. YD. SPAWNING AREA _____ SQ. YD.

DISCHARGE _____ CFS MAX _____ MIN _____

TEMPERATURE _____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 2 mi.
CHUM	to 1.5 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

ESCAPEMENT RECORD FOR **WAAMTX CREEK**

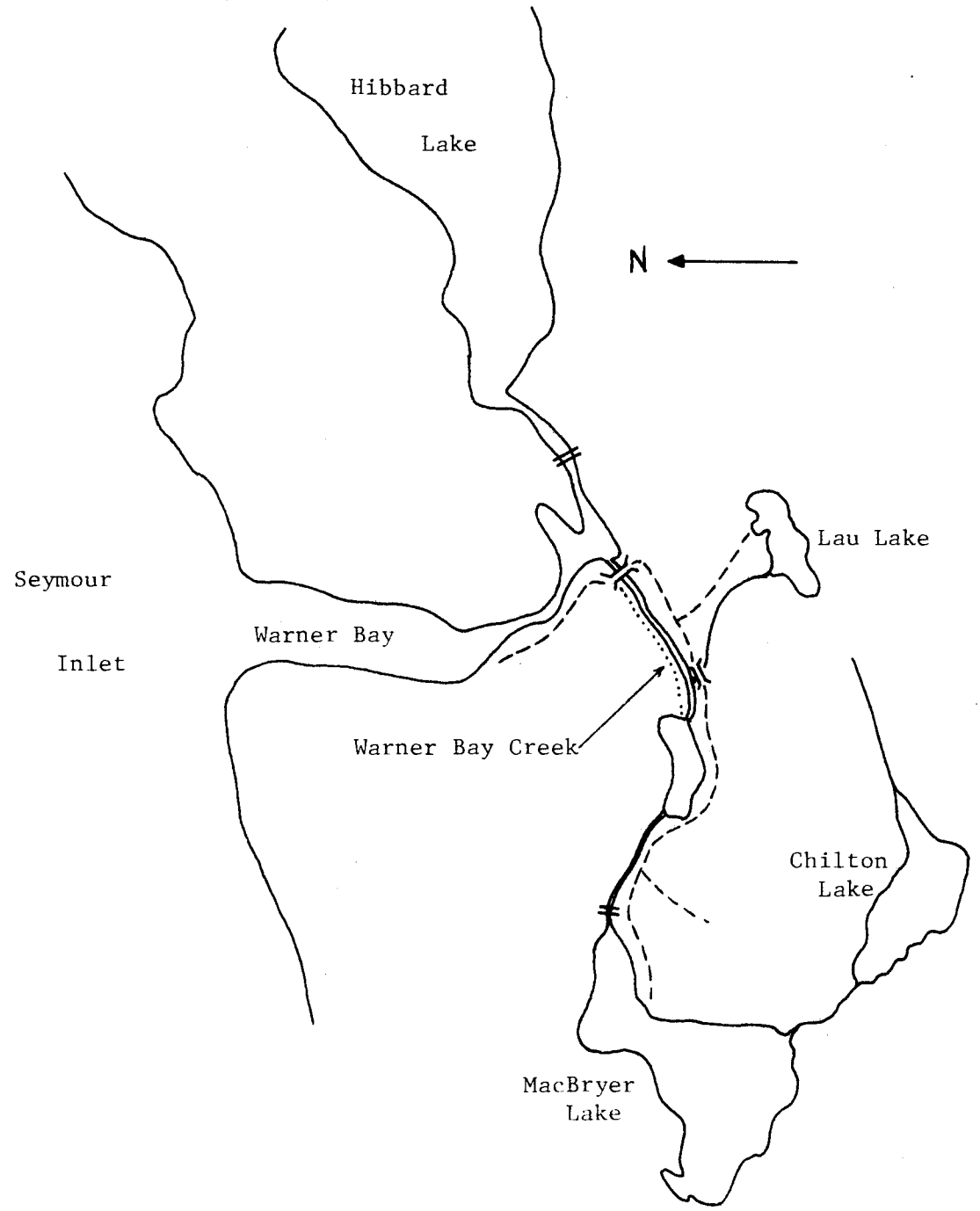
YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			UNK	UNK		
50			UNK	UNK		
51			750	3500		
52			NO	RECORDS		
53			400	3500		
54			200	1500		
55			400	750		
56			400	750		
57			400	3500		
58			400	1500		
59			400	1500		
60			25	N/O		
61			75	N/O		
62			N/O	25		
63			N/O	75		
64			25	25		
65			200	25		
66			200	N/O		
67			25	25		
68			N/O	75		
69			75	75		
70			200	400		
71			200	750		
72			N/O	70		
73			150	600		
74			75	1500		
75			30	650		
76			N/O	35		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT		
Start			L SEPT	SEPT		
Peak			L OCT	L SEPT		
End			E DEC	OCT		

REMARKS

- There is some confusion on escapement records regarding the identification of Waamtx Creek. In early and recent years escapements are given properly for Waamtx Creek. In intervening years apparently escapements were given for Belize Creek.

WARNER BAY CREEK - For topographical map, refer to Rainbow Creek, page 33.

Sketch of Warner Bay Creek, 1969



NAME OF STREAM (Warner Bay Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows NE. into Warner Bay, S. side of Seymour Inlet, Rge. 2, Coast Dist. POSITION 51 127 SE.

LENGTH 2.5 MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT:

FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls at 2.5 mi.

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to 2.5 mi.
CHUM	to 2.5 mi.
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

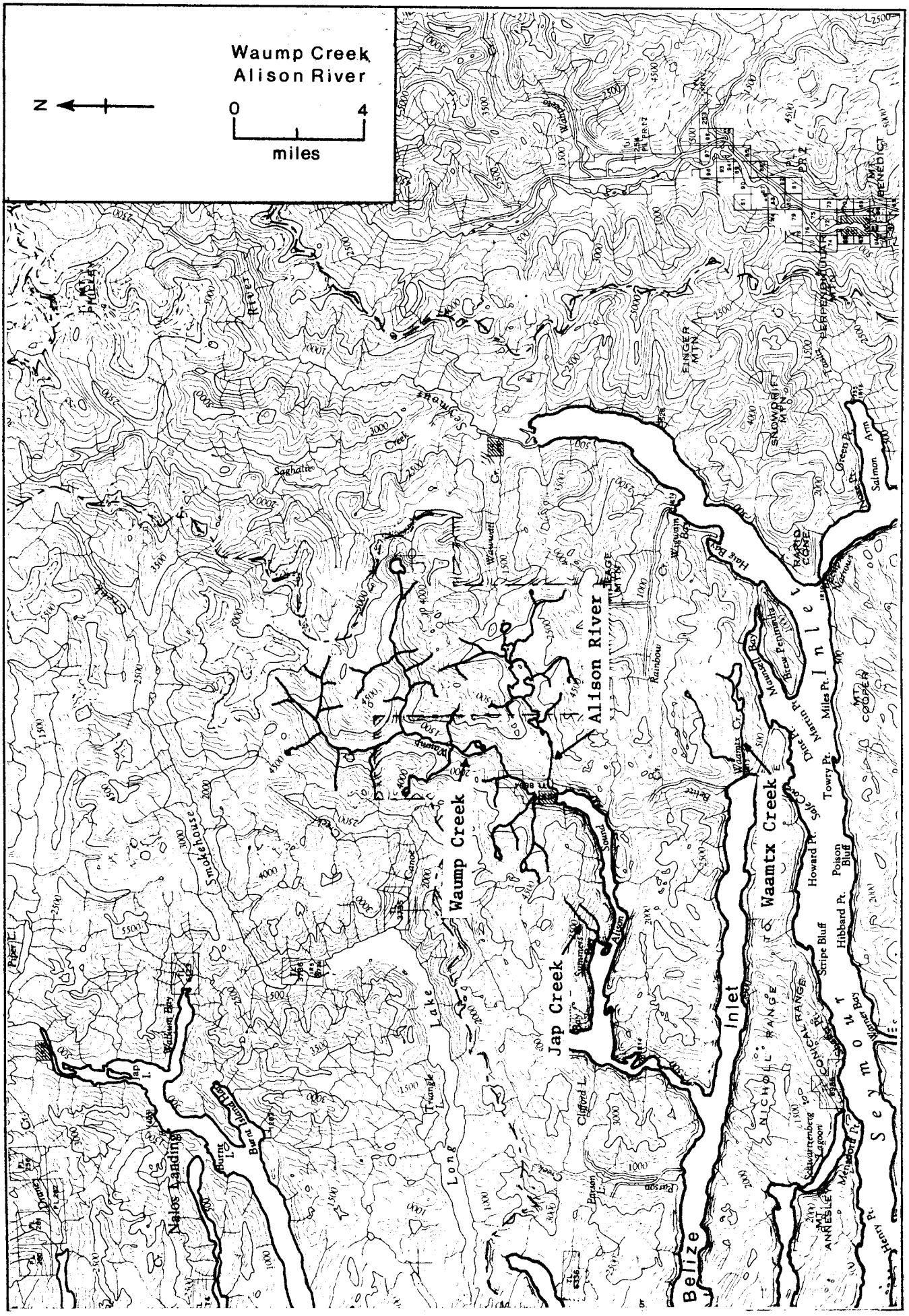
GENERAL REMARKS:

- Log jams are a problem. (1966)

ESCAPEMENT RECORD FOR _____ (Warner Bay Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			N/O	N/O		
50			1500	8000		
51			400	750		
52			1500	3500		
53			400	3500		
54			750	3500		
55			400	400		
56			400	3500		
57			400	1500		
58			400	3500		
59			400	1500		
60			200	N/O		
61			N/O	N/O		
62			200	25		
63			400	750		
64			200	1500		
65			1500	750		
66			750	750		
67			300	800		
68			75	400		
69			400	1500		
70			400	1500		
71			200	750		
72			75	1500		
73			150	3000		
74			250	3500		
75			75	700		
76			80	400		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	AUG		
Start			OCT	SEPT		
Peak			OCT	OCT		
End			NOV	OCT		

REMARKS _____


Waump Creek
Alison River
N
0
4
miles
Waump Creek
Alison River
Jap Creek
Lake
Long
Inlet
Waamtx Creek
Belize
Inlet
Seymour
Nalos Landing
Smokehouse
Sathatte
Wigwam Bay
Rainbow
Howe Bay
Hard Core
Mamalilaculla
Miles Pt.
Towry Pt.
Howard Pt.
Poison Bluff
Hibbard Pt.
Stripe Bluff
Conical Range
Nicholl Range
Engen Mtn
Snowshoe Mtn
Mt. Benedict
Mt. Cooper
Mt. Ansell
Green Pt.
Salmon Arm
Clifford L.
Triangle L.
Burnt L.
Jap L.
Canoe
Alison
Summers
Sound
Bay
Creek
River

NAME OF STREAM WAUMP CREEK and Alison River

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows SW. into head of Alison Sd., Rge. 2. Coast Dist.

POSITION 51 126 SW.

LENGTH _____ MI. WIDTH _____ FT. DRAINAGE _____ SQ. MI.

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA _____ SQ. YD. SPAWNING AREA _____ SQ. YD.

DISCHARGE _____ CFS MAX _____ MIN _____

TEMPERATURE _____

BARRIERS OR POINTS OF DIFFICULT ASCENT

- Impassable falls, Waump Cr. at 2 mi., Alison R. at 0.5 mi.

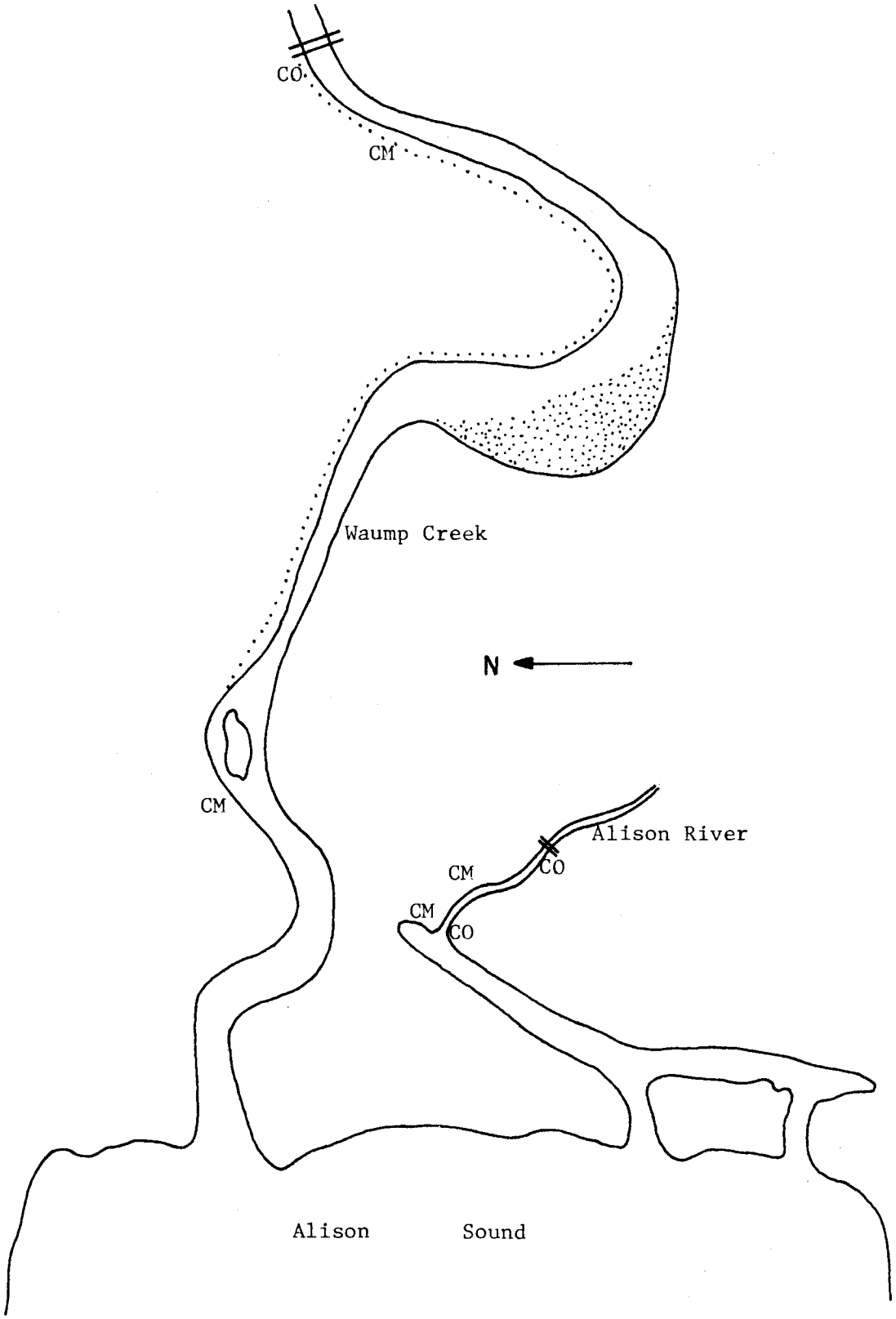
SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	to falls in respective streams
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

Sketch of Waump Creek & Alison River, 1971
(spawning grounds)

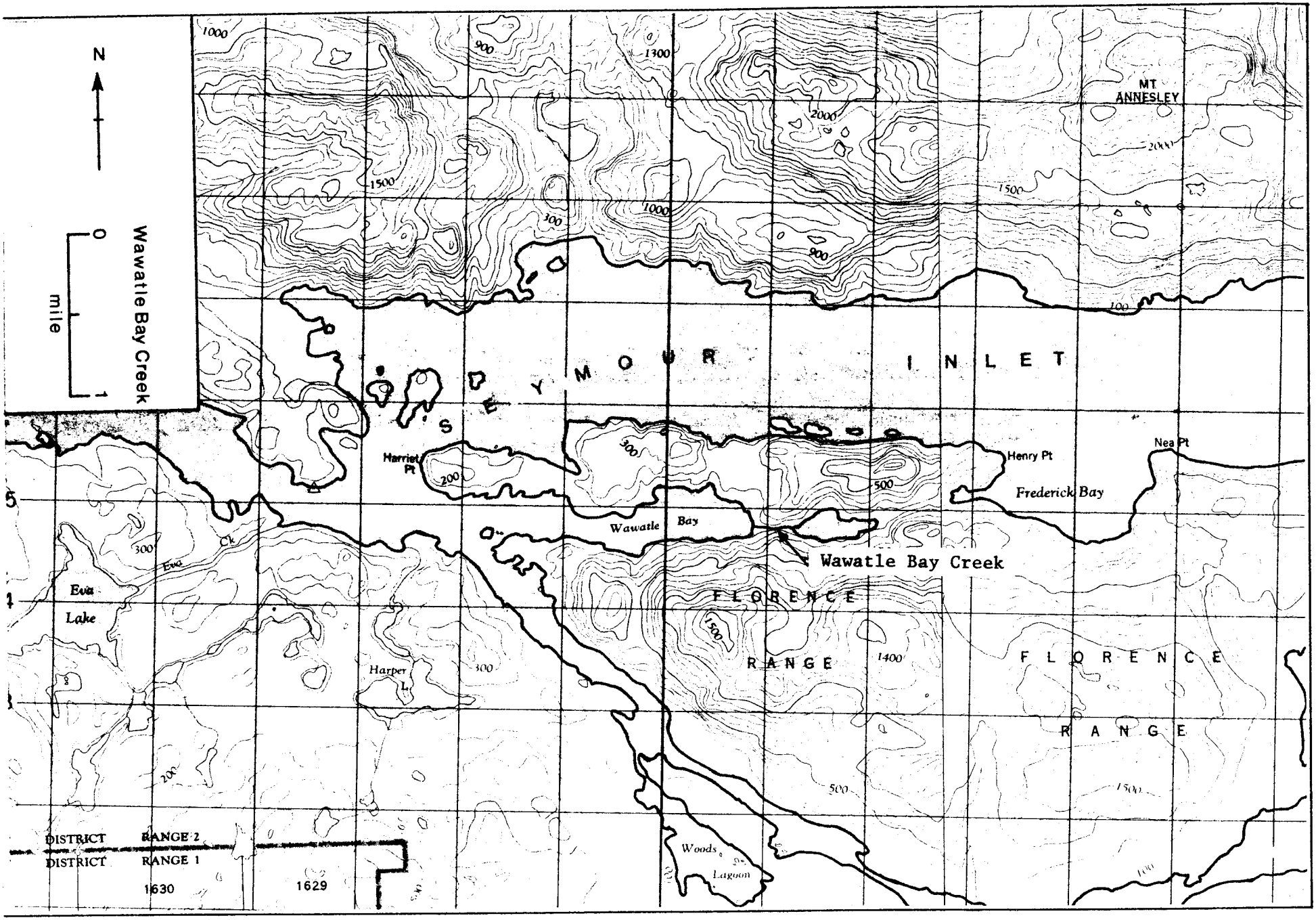


ESCAPEMENT RECORD FOR **WAUMP CREEK and Alison River**

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			400	3500		
49			UNK	UNK		
50			UNK	UNK		
51			400	3500		
52			NO	RECORDS		
53			400	3500		
54			1500	3500		
55			25	75		
56			400	750		
57			750	3500		
58			400	3500		
59			UNK	UNK		
60			N/O	75		
61			25	400		
62			400	750		
63			400	750		
64			200	750		
65			N/O	75		
66			25	750		
67			N/O	3500		
68			75	3500		
69			75	3500		
70		25	750	3500		
71		N/O	200	3500		
72			30	5500		
73		N/O	300	11000		
74		N/O	600	7000		
75		N/O	175	3200		
76		N/O	N/O	1100		
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time						
Arr.			SEPT	SEPT		
Start			OCT	SEPT		
Peak			OCT	SEPT		
End			NOV	OCT		

REMARKS

- Prior to 1957 Waump Creek was the only creek reported on. From 1957 to 1976 Waump Creek and Alison River are reported together.


N
0
mile
1
Wawatle Bay Creek
SEYMOUR INLET
MT ANNESLEY
Harriet Pt
Henry Pt
Nea Pt
Frederick Bay
Wawatle Bay
Wawatle Bay Creek
Eva Lake
Eva Ck
Harper L
FLORENCE RANGE
FLORENCE RANGE
Woods Lagoon
DISTRICT RANGE 2
DISTRICT RANGE 1
1630
1629

NAME OF STREAM (Wawatle Bay Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows W. into Wawatle Bay, S. shore of Seymour Inlet, Rge. 2, Coast Dist. POSITION 51 127 SE.

LENGTH MI. WIDTH FT. DRAINAGE SQ. MI.

COMPOSITION: BEDROCK BOULDER COARSE FINE

SILT & SAND UNCLASSIFIED

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA SQ. YD. SPAWNING AREA SQ. YD.

DISCHARGE CFS MAX MIN

TEMPERATURE

BARRIERS OR POINTS OF DIFFICULT ASCENT

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

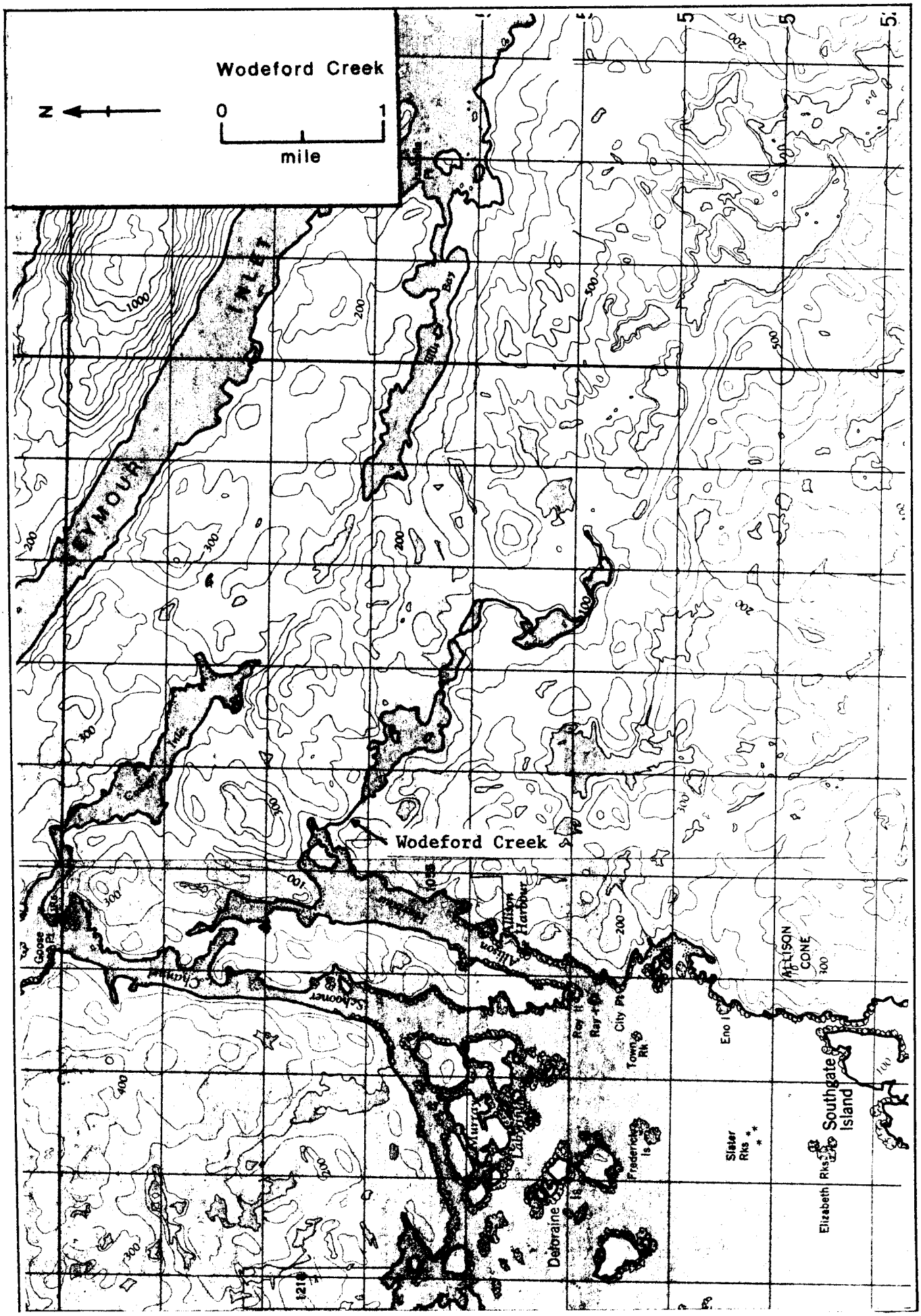
POTENTIAL OF INACCESSIBLE PORTION OF STREAM

GENERAL REMARKS:

ESCAPEMENT RECORD FOR (Wawatle Bay Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48			NO	RECORDS		
49			N/O	N/O		
50			NO	RECORDS		
51			NO	RECORDS		
52			NO	RECORDS		
53			25	25		
54			UNK	UNK		
55						
56			NO RECORDS FOR 1955 - 1976			
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.						
Start						
Peak						
End						

REMARKS


Wodeford Creek
N
0
1
mile
Wodeford Creek
SEYMOUR
INLET
Allison Harbour
ALLISON CONE
Goose Pt
Schooner
Deboraine Is
Frederick Is
Slater Rks
Elizabeth Rks
Southgate Island
Eno I
City Pk
Town Rk
Ray Is
Ray Pt

NAME OF STREAM (Wodeford Creek)

CONSERVATION DISTRICT 5 STATISTICAL AREA 11

LOCATION OF MOUTH Flows NW. into Allison Hr., SE. of Bramham I., Rge. 2, Coast Dist. POSITION 51 127 SW.

LENGTH _____ MI. WIDTH _____ FT. DRAINAGE _____ SQ. MI.

COMPOSITION: BEDROCK _____ BOULDER _____ COARSE _____ FINE _____

SILT & SAND _____ UNCLASSIFIED _____

GRADIENT: FALL IN FT/000	
0.0 - 2.5	
2.5 - 5.0	
5.0 - 7.5	
7.5 - 10.0	
> 10.0	

WETTED AREA _____ SQ. YD. SPAWNING AREA _____ SQ. YD.

DISCHARGE _____ CFS MAX _____ MIN _____

TEMPERATURE _____

BARRIERS OR POINTS OF DIFFICULT ASCENT _____

SPAWNING DISTRIBUTION:

SPECIES	SECTION OF STREAM USED
SOCKEYE	
CHINOOK	
COHO	
CHUM	
PINK (ODD YR)	
PINK (EVEN YR)	
STEELHEAD	

POTENTIAL OF INACCESSIBLE PORTION OF STREAM _____

GENERAL REMARKS: _____

ESCAPEMENT RECORD FOR _____ (Wodeford Creek)

YEAR	SOCKEYE	CHINOOK	COHO	CHUM	PINK	STEELHEAD
1947			UNK	UNK		
48						
49			NO RECORDS FOR 1948 - 1952			
50						
51						
52						
53			75	1500		
54			25	400		
55						
56			NO RECORDS FOR 1955 - 1976			
57						
58						
59						
60						
61						
62						
63						
64						
65						
66						
67						
68						
69						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
Time Arr.						
Start						
Peak						
End						

REMARKS _____

METRIC EQUIVALENTS

Length

cm.	=	.3937	in.
meter	=	3.28	ft.
meter	=	1.094	yd.
kilometer	=	.621	mi.
inch	=	2.54	cm.
foot	=	.3048	m.
yard	=	.9144	m.
mile	=	1.61	km.

Area

sq. cm.	=	.1550	sq. in.
sq. m.	=	10.76	sq. ft.
sq. m.	=	1.196	sq. yd.
sq. km.	=	.386	sq. mi.
sq. in.	=	6.45	sq. cm.
sq. ft.	=	.0929	sq. m.
sq. yd.	=	.836	sq. m.
sq. mi.	=	2.59	sq. km.
acre	=	.405	ha.
hectare	=	2.47	acres
acre	=	43560	sq. ft.

Volume

cu. cm.	=	.061	cu. in.
cu. m.	=	35.315	cu. ft.
cu. m.	=	1.308	cu. yd.
cu. in.	=	16.38	cu. cm.
cu. ft.	=	.028	cu. m.
cu. yd.	=	.7645	cu. m.

Capacity

liter	=	.0353	cu. ft.
liter	=	.21998	gal. (Br.)
liter	=	61.023	cu. in.
cu. in.	=	.0164	l.
cu. ft.	=	28.32	l.
gallon	=	4.5459	l. (Br.)

Weight

gram	=	15.432	grs.
gram	=	.0353	oz.
kilogram	=	2.2046	lbs.
kilogram	=	.0011	ton (sht)
met. ton	=	1.1025	ton (sht)
grain	=	.0648	g.

ounce	=	28.35	g.
pound	=	.454	kg.
ton (sht)	=	907.18	kg.
ton (sht)	=	.907	met. ton
ton (sht)	=	2000	lbs.

Degrees Centigrade = 5/9 (Degrees Fahr. - 32)
Degrees Fahrenheit = 9/5 (Degrees Cent.) + 32

WATER QUANTITIES AND FLOW MEASUREMENT

1 cubic foot per second (cfs) or second foot	=	373.2 gallons per min. (gpm)
1 cubic foot per second (cfs) or second foot	=	.537408 million gallons
1 second foot	=	approx. 2 acre-feet per day
1 second foot	=	86400 cubic feet per day
1 million gallons per day	=	1.86 cfs
1 acre-foot	=	43560 cubic feet or 271379 gal.
1 cubic foot of water	=	6.23 gal. and weighs 62.4 lbs.
1 cubic meter per second	=	35.31 cubic feet per second (cfs)
1 meter per second	=	3.28 feet per second
1233.5 cubic meters	=	1 acre-foot